

Product Catalogue

Edition 1.0



People
Product
Partnerships

realcold

A BEIJER REF Company

Realcold Welcomes You

Welcome to our new Edition 1.0 of our Realcold catalogue.

Edition 1.0 is representative of our new beginnings under Beijer Ref and symbolises our new ventures.

We hope you enjoy using this new version of our catalogue with its 3 tier approach to structure.

By utilising **category**, **item family** and **product** the desire is to make it quick and easy to find the product of your choice.

When selecting capital equipment along with copper and installation products, we hope you will find a flow that assists in selecting your desired components in an order that makes sense.

Whilst we have tried to offer a product selection that delivers a wide range of competitive solutions, our sales and engineering staff are always available to help with your needs.

To discuss your requirements at anytime, please contact any member of our team who will be more than pleased to assist.

Yours faithfully,

The Realcold Team

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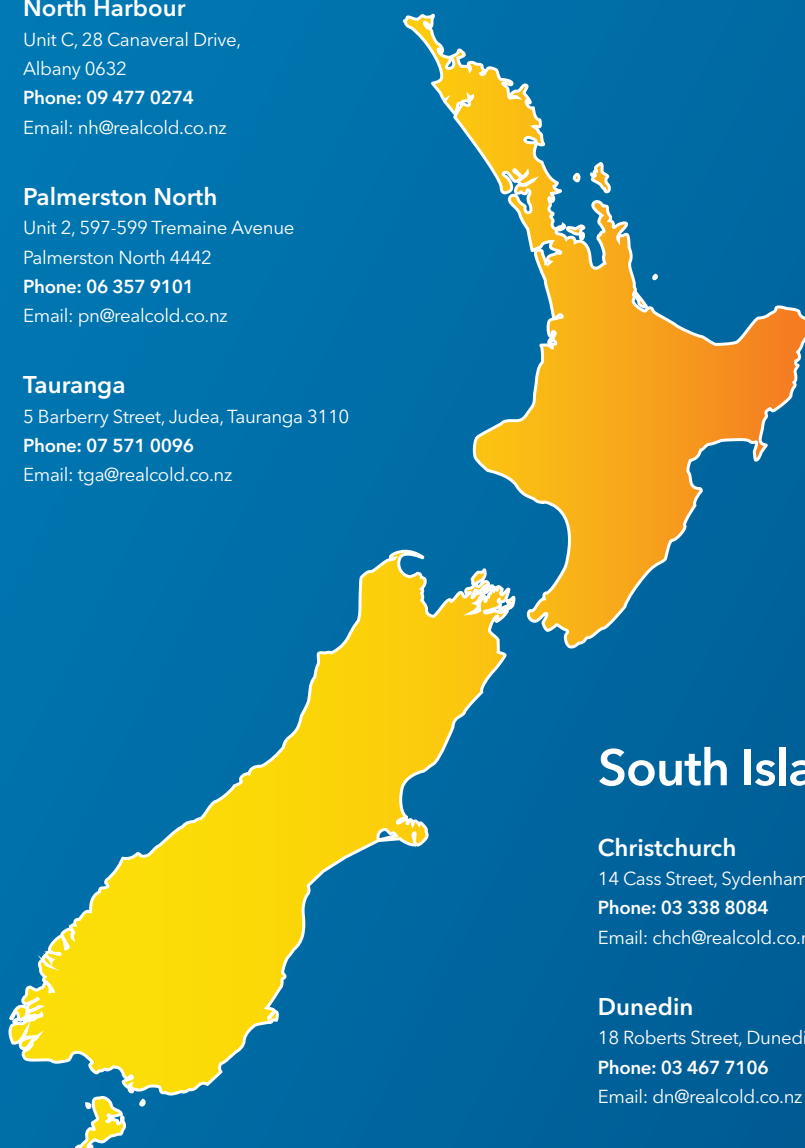
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AIR CONDITIONING

Air Conditioning



Air Conditioning Units

Gree

- Hi-Walls
- Floor Console
- Portable Air Conditioner
- Window Units
- Air Curtains
- Multi Split Units
- Ceiling Cassettes
- Ducted Split Units
- Accessories

Mitsubishi Heavy Industries

- Hi-Walls

Hot Water Heat Pumps

- Gree Hot Water Heat Pumps

Air Cooled Chillers

- Gree Air Cooled Chillers
- Gree Inverter Air Cooled Chillers

Multi VRF Systems

- Gree Air Cooled Chillers

Air Distribution

- Evaporative Coolers
- Flexible Duct & Fittings
- Inline Duct Fans
- Grilles & Diffusers

Condensate Pumps

- Aspen Condensate Pumps & Accessories
- Sauermann Condensate Pumps

Mounting Systems

- Bases & Anti Vibration Mounts
- Brackets - Wall & Roof
- Channel
- Monkeytoe Mounts & Accessories
- Security Cages

Pair Coil

- Pre Insulated Pair Coil

Penetrations

- Roof Penetrations
- Building Envelope Penetrations

PVC Drain Pipe & Fittings

- Drain Pipe & Fittings

Toyo Ducting & Accessories

- Toyo Pipe Ducting

Electrical & Accessories

- Run Capacitors & Accessories
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Fastenings

- Fastenings & Cable Ties

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CAPITAL PLANT

Capital Plant



Evaporators

- Kirby Evaporators & Spares

Fastenings

- Bluemay Mounting Kits

Condensing Units

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- Tecumseh Easypack Hermetic Condensing Units
- Kirby Packaged Condensing Units
- Tecumseh Packaged Condensing Units
- Milk Vat Condensing Units
- Bitzer Packaged Condensing Units
- CO₂ Packaged Condensing Units

Air Cooled Condensers

- Kirby Air Cooled Condensers

Water Cooled Condensers

- Bitzer Water Cooled Condensers

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 - Brazing Alloy
- Chemicals**
 - Coil & Filter Cleaners • Cleaners & Disinfectants
 - Leak detection & Treatments • Water Treatment
- Compressors**
 - Hermetic Compressors • Hermetic Spares
 - Semi Hermetic Compressors • Semi Hermetic Spares
 - CO₂ Semi Hermetic Compressors • Screw Compressors
- Controls**
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 - Thermostats
- Coolroom Hardware**
 - Hardware • Bluemay Mounting Kits & Accessories
 - Thermometers
- Copper & Installation**
 - Hard Drawn Copper • Soft Drawn Copper • Pre-insulated Coil
 - Copper Fittings • Flame Free Fittings & Accessories
 - K65 Copper Tube & Fittings • Insulation • Tube Support Systems
 - Flashings
- Fan**
 - Fan Blades • Fan Motors • Fan Motor Assemblies
- Line Components**
 - Accumulators • Brass Fittings • Capillary Tube • Driers
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 - Hand Shut-off Valves • Receiver Valves • Regulating Valves
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 - Thermostatic Expansion Valve & Accessories • Vibration Solutions
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 - Oils
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- PVC Drain**
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AIR CONDITIONING





HI-WALL SPLIT SYSTEMS

HYPER SERIES - R32

Features and Benefits

- G10 Inverter, low frequency torque control
- 3D Airflow
- Super Low Noise
- Smart WiFi (standard)
- Gold fin coating on outdoor unit
- Optional Wired Controller - XK76
- Healthy Filter options
- 6 Year Parts and Labour Warranty



Stock No.	Model	Capacity (kW)		Pipe Size		Price \$ Excl. GST
		Cooling	Heating	Liquid	Gas	
AC7202-I/O	GWH09ABA-K6DNC8B	2.5	3.2	1/4"	3/8"	
AC7203-I/O	GWH12ABA-K6DNC8B	3.5	3.8	1/4"	3/8"	
AC7204-I/O	GWH15QD-K6DNC8A	4.6	4.7	1/4"	1/2"	
AC7205-I/O	GWH18QE-K6DNC8D	5.2	5.8	1/4"	5/8"	
AC7206-I/O	GWH21QE-K6DNC8A	6.1	7.3	1/4"	5/8"	
AC7207-I/O	GWH24QE-K6DNC8D	7.0	8.0	1/4"	5/8"	
AC7208-I/O	GWH28QE-K6DNC8D	8.0	9.0	1/4"	5/8"	
AC7209-I/O	GWH32QF-K6DNC2D	9.4	10.3	1/4"	5/8"	

OPTIONAL ACCESSORIES

Stock No.	Model	Description	Price \$ Excl. GST
ACSG1192	XK76	Wired Wall Controller to suit Hyper or Lomo Hi-walls	
ACSG0766	CE52-24/FC	Central Controller - Touch Screen	



PRE-FILTERS - 290mm x 50mm

Hi-wall replacement Pre-filters. Suitable for any make of Hi-wall. Can be cut to size.

Stock No.	Type	Description	Price \$ Excl. GST
ACSG0587	Green Sterilizing	Antiviral and antioxidant qualities	
ACSG0588	Catechin	Antiviral and antioxidant qualities	
ACSG0589	Active Carbon	Removes smells and odours	
ACSG0590	Vitamin C Emission	Releases small amounts of Vitamin C into the air	
ACSG0591	Silver Ion	Kills air borne bacteria and viruses	



For further information on Gree products, please visit www.greeonline.com

HI-WALL SPLIT SYSTEMS
LOMO SERIES - R410A
Features and Benefits

- Gree 180° Sine Wave Inverter Technology
- "I-feel" indoor temperature control
- Optional Wi-Fi
- Blue fin coating on outdoor unit
- Optional Wired Controller - XK76
- 6 Year Parts and Labour Warranty



Stock No.	Model	Capacity (kW)		Pipe Size		Price \$ Excl. GST
		Cooling	Heating	Liquid	Gas	
AC7312-I/O	GWH09QC-K3DNB2A	2.5	3.0	1/4"	3/8"	
AC7313-I/O	GWH12QC-K3DNB2D	3.4	4.0	1/4"	3/8"	
AC7315-I/O	GWH18QD-K3DNB2L	5.3	5.6	1/4"	1/2"	
AC7316-I/O	GWH21QE-K3DNB2A	6.2	7.1	1/4"	1/2"	
AC7317-I/O	GWH24QE-K3DNB2H	7.1	8.0	1/4"	5/8"	
AC7318-I/O	GWH28QE-K3DNB2H	8.5	9.0	1/4"	5/8"	

OPTIONAL ACCESSORIES

Stock No.	Model	Description	Price \$ Excl. GST
ACSG1192	XK76	Wired Wall Controller to suit Hyper or Lomo Hi-walls	
ACSG0766	CE52-24/FC	Central Controller - Touch Screen	
ACSG1420	CS532Z	Lomo Wi-Fi Dongle	


PRE-FILTERS - 290mm x 50mm

Hi-wall replacement Pre-filters. Suitable for any make of Hi-wall. Can be cut to size.

Stock No.	Type	Description	Price \$ Excl. GST
ACSG0587	Green Sterilizing	Antiviral and antioxidant qualities	
ACSG0588	Catechin	Antiviral and antioxidant qualities	
ACSG0589	Active Carbon	Removes smells and odours	
ACSG0590	Vitamin C Emission	Releases small amounts of Vitamin C into the air	
ACSG0591	Silver Ion	Kills air borne bacteria and viruses	



For further information on Gree products, please visit www.greenonline.com

GREE FLOOR CONSOLE & PORTABLE

Air-Conditioning
FLOOR CONSOLE - R410A
Features and Benefits

- Wi-Fi as standard
- "I-feel" indoor temperature control
- Dual discharge
- Optional wired wall controller
- 6 Year Parts and Labour Warranty



Stock No.	Model	Capacity (kW)		Pipe Size		Price \$ Excl. GST
		Cooling	Heating	Liquid	Gas	
AC7413-I/O	GEH18AA-K3DNA1D	5.2	5.3	1/4"	1/2"	

OPTIONAL ACCESSORIES

Stock No.	Model	Description	Price \$ Excl. GST
ACSG1192	XK76	Standard Wired Wall Controller	
ACSG0766	CE52-24/FC	Central Controller - Touch Screen	


PORTABLE AIR CONDITIONER - R410A
Features and Benefits

- Remote Control
- Easy Clean Filter
- 1 Year Parts and Labour Warranty



Stock No.	Model	Capacity (kW)		Price \$ Excl. GST
		Cooling	Heating	
AC5503	GPH12AJ-K3NNA1D	3.5	3.5	

 For further information on Gree products, please visit www.greeonline.com

GREE WINDOW & AIR CURTAINS

COOLANI WINDOW / WALL HEAT PUMP - R32
Features and Benefits

- Exceeds the MEPS IV annulised ratings
- R32 Refrigerant
- 4 Way Air Flow
- Remote Control
- Easy Clean Air Filter
- 6 Year Parts and Labour warranty, domestic use only



Stock No.	Model	Capacity (kW)		Price \$ Excl. GST
		Cooling	Heating	
AC5030	GJH09AF-K6NRNR1A	2.7	2.4	
AC5031	GJH12AD-K6NRNR1A	3.9	3.6	
AC5032	GJH18AC-K6NRNR1A	5.3	5.0	
AC5033	GJH21AC-K6NRNR1A	6.0	5.5	

AIR CURTAINS
Features and Benefits

- Optimised cross-flow fan and high performance motor utilised
- Micro processor controlling with high reliability and long service
- Anti-corrosion thanks to two sided painted electro-galvanised metal case
- Integrated electric components for easy maintenance
- High performance cross flow fan blade with 3D-optimised streamlining
- High quality galvanised steel casing with double sided plastic spray processing, high anti-corrosion
- **1 Year Parts and Labour Warranty**



Stock No.	Model	Length (mm)	Fan Dia. (mm)	Input Power (watts)	Air Speed (m/sec)	Noise dB(A)	Weight (Kg)	Electric Supply	Price \$ Excl GST
AC7509	FM-1.25-9-K	900	125	110	8	59	16	230/1/50	
AC7512	FM-1.25-12-K	1200	125	140	8	61	20	230/1/50	

For further information on Gree products, please visit www.greeonline.com



FREE MATCH MULTI HEAD HEAT PUMPS

Features and Benefits

- Compact, from 2 to 5 Indoor units per outdoor
- Installation flexibility
- Variety of Indoor units
- Independent control and comfort
- Superior corrosion resistance
- 6 Year warranty on parts and labour



OUTDOOR UNITS

Stock No.	Model	Capacity (kW)		Indoor Units	Pipe Size		Price \$ Excl. GST
		Cooling	Heating		Liquid	Gas	
AC5601	GWHD(18)NK3JO	5.4	5.6	2	2 x 1/4"	2 x 3/8"	
AC5603	GWHD(28)NK3JO	8.1	9.3	2 - 4	4 x 1/4"	4 x 3/8"	
AC5605	GWHD(42)NK3JO	11.4	12.0	2 - 5	5 x 1/4"	4 x 3/8"	

MULTI INDOOR UNITS - LOMO HI-WALL RANGE

Stock No.	Model	Capacity (kW)		Pipe Size		Price \$ Excl. GST
		Cooling	Heating	Liquid	Gas	
AC7312-I	GWH(09)QC-K3DNB2A	2.5	3.0	1/4"	3/8"	
AC7313-I	GWH(12)QC-K3DNB2D	3.4	4.0	1/4"	3/8"	
AC7315-I	GWH(18)QD-K3DNB2L	5.3	5.6	1/4"	1/2"	
AC7316-I	GWH(21)QE-K3DNB2A	6.2	7.1	1/4"	1/2"	
AC7317-I	GWH(24)QE-K3DNB2H	7.1	8.0	1/4"	5/8"	
AC7318-I	GWH(28)QE-K3DNB2H	8.5	9.0	1/4"	5/8"	

MULTI INDOOR UNITS - SLIM DUCT RANGE

Stock No.	Model	Capacity (kW)		Pipe Size		Price \$ Excl. GST
		Cooling	Heating	Liquid	Gas	
AC5632	GFH(09)EA-K3DNA1A/I	2.5	2.8	1/4"	3/8"	
AC5633	GFH(12)EA-K3DNA1A/I	3.5	3.8	1/4"	3/8"	
AC5635	GFH(18)EA-K3DNA1A/I	5.0	5.5	1/4"	1/2"	
AC5636	GFH(21)EA-K3DNA1A/I	6.0	6.6	3/8"	5/8"	
AC5637	GFH(24)EA-K3DNA1A/I	7.1	8.0	3/8"	5/8"	

MULTI INDOOR UNITS - CASSETTE RANGE

Stock No.	Model	Capacity (kW)		Pipe Size		Price \$ Excl. GST
		Cooling	Heating	Liquid	Gas	
AC5640	GKH(12)BA-K3DNA2A/I	3.5	4.0	1/4"	3/8"	
AC5641	GKH(18)BA-K3DNA2A/I	4.5	5.0	1/4"	1/2"	
AC5642	GKH(24)BA-K3DNA1A/I	7.1	8.0	3/8"	5/8"	

MULTI INDOOR UNITS - FLOOR CONSOLE

Stock No.	Model	Capacity (kW)		Pipe Size		Price \$ Excl. GST
		Cooling	Heating	Liquid	Gas	
AC5630	GEH(18)AA-K3DNA1B/I	5.2	5.3	1/4"	1/2"	

For further information on Gree products, please visit www.greeonline.com

GREE CEILING CASSETTES


CEILING CASSETTES - R410A
Features and Benefits

- Wired 7 Day Controller Standard - XK75
- Internal Condensate Drain Pump
- Safety Float Switch
- Remote Controllers available
- 6 Year Warranty on Parts and Labour



Stock No.	Model	Capacity (kW)		Pipe Size		Price \$ Excl. GST
		Cooling	Heating	Liquid	Gas	
AC5807-I/O	GKH24S3GI / GUHD24NK3GO	7.2	8.2	3/8"	5/8"	
AC5810-I/O	GKH36S3GI / GUHD36NK3GO	10.0	12.0	3/8"	5/8"	
AC5812-I/O	GKH42S3GI / GUHD42NK3GO	11.5	13.8	3/8"	5/8"	
AC5814-I/O	GKH48S3GI / GUHD48NK3GO	14.0	16.0	3/8"	5/8"	

Note: Supplied standard with XK75 controller

OPTIONAL ACCESSORIES

Stock No.	Model	Description	Price \$ Excl. GST
ACSG0706	XK60	Simple Wired Wall Controller to suit Ducted or Cassette units	
ACSG0703	CE50-24/E	Central Controller - Standard	
ACSG0766	CE52-24/FC	Central Controller - Touch Screen	



For further information on Gree products, please visit www.greeonline.com

DUCTED SPLIT SYSTEMS - HIGH STATIC - R410A
Features and Benefits

- Adjustable Static Pressure (200pa)
- Condensate Pump & Safety Float Switch
- Dual Gravity Drains
- Wired 7 Day Controller Standard - XK75
- 6 Year Warranty on Parts and Labour



Stock No.	Model	Capacity (kW)		Pipe Size		Price \$ Excl. GST
		Cooling	Heating	Liquid	Gas	
AC5701-I/O	GFH24K3GI / GUHD24NK3GO	7.0	8.0	3/8"	5/8"	
AC5702-I/O	GFH36K3GI / GUHD36NK3GO	10.0	12.0	3/8"	5/8"	
AC5703-I/O	GFH42K3GI / GUHD42NK3GO	12.0	14.0	3/8"	5/8"	
AC5704-I/O	GFH48K3GI / GUHD48NK3GO	14.0	16.0	3/8"	5/8"	
AC5705-I/O	GFH60K3GI / GUHD60NK3GO	16.0	18.0	3/8"	3/4"	

Note: Supplied standard with XK75 controller

MULTI ROOM DUCT KITS

Stock No.	Suits Model	No. of Outlets	Supply Air		Return Air		Flexible Duct	Price \$ Excl. GST
			Plenum (mm)	Diffuser (mm)	Plenum (mm)	Grille (mm)		
AC0301	GFH24	4	825 x 165 2 x 300	Round 250 Ø	985 x 235 1 x 400	Filtered Egg Crate 900 x 500	R0.6	
AC0302	GFH36	6	855 x 195 2 x 300		955 x 325 2 x 400			
AC0303	GFH42 GFH48	8	855 x 195 2 x 350		955 x 325 2 x 400			
AC0304	GFH60	10	995 x 195 2 x 350		1155 x 345 2 x 400			

Please contact your nearest Realcold branch for a detailed list of items supplied with each kit.

OPTIONAL ACCESSORIES

Stock No.	Model	Description	Price \$ Excl. GST
ACSG0706	XK60	Simple Wired Wall Controller to suit Ducted or Cassette units	
ACSG0703	CE50-24/E	Central Controller - Standard	
ACSG0766	CE52-24/FC	Central Controller - Touch Screen	



For further information on Gree products, please visit www.greeonline.com


GREE ACCESSORIES
CONTROLLERS

Stock No.	Model	Description	Price \$ Excl. GST
ACSG0706	XK60	Simple Wired Wall Controller to suit Ducted or Cassette units	
ACSG0762	XK75	Standard Wired Wall Controller to suit Ducted or Cassette units	
ACSG1192	XK76	Wired Wall Controller to suit Hyper or Lomo Hi-walls	
ACSG0703	CE50-24/E	Central Controller - Standard	
ACSG0766	CE52-24/FC	Central Controller - Touch Screen	


AIR CON REMOTE CONTROLLERS

Stock No.	Description	Price \$ Excl. GST
AC1701	A/C Ultra Plus Hi-wall Remote Control	
ACSG0441	Gree Basic Remote YB1FA	
ACSG0651	Gree ifeel remote YAA1FB	
ACSG0664	Gree Hansol Remote YAG1FB	
ACSG0630	Gree RAC Remote YS1FA	


PRE-FILTERS - 290mm x 50mm

Hi-wall replacement Pre-filters. Suitable for any make of Hi-wall. Can be cut to size.

Stock No.	Type	Description	Price \$ Excl. GST
ACSG0587	Green Sterilizing	Antiviral and antioxidant qualities	
ACSG0588	Catechin	Antiviral and antioxidant qualities	
ACSG0589	Active Carbon	Removes smells and odours	
ACSG0590	Vitamin C Emission	Releases small amounts of Vitamin C into the air	
ACSG0591	Silver Ion	Kills air bourne bacteria and viruses	



For further information on Gree products, please visit www.greeonline.com

MITSUBISHI HEAVY INDUSTRIES HI-WALLS


Air-Conditioning

HI-WALL SPLIT SYSTEMS
AVANTI SERIES - R32
Features and Benefits

- Improved energy efficiency
- Jet air technology
- Optional Wi-Fi control
- 5 Year Parts and Labour Warranty (residential)



Stock No.	Model	Capacity (kW)		Pipe Size		Price \$ Excl. GST
		Cooling	Heating	Liquid	Gas	
AC3070-I/O	SRK20ZSA-W - SRC20ZSA-W	2.0	2.7	1/4"	3/8"	
AC3071-I/O	SRK25ZSA-W - SRC25ZSA-W	2.5	3.2	1/4"	3/8"	
AC3072-I/O	SRK35ZSA-W - SRC35ZSA-W	3.5	3.7	1/4"	3/8"	
AC3073-I/O	SRK50ZSA-W - SRC50ZSA-W	5.0	5.8	1/4"	1/2"	

BRONTE SERIES - R32
Features and Benefits

- Improved energy efficiency
- Jet air technology
- Optional Wi-Fi control
- 5 Year Parts and Labour Warranty (residential)



Stock No.	Model	Capacity (kW)		Pipe Size		Price \$ Excl. GST
		Cooling	Heating	Liquid	Gas	
AC3074-I/O	SRK63ZRA-W - SRC63ZRA-W	6.3	7.1	1/4"	1/2"	
AC3075-I/O	SRK71ZRA-W - SRC71ZRA-W	7.1	8.0	1/4"	5/8"	
AC3076-I/O	SRK80ZRA-W - SRC80ZRA-W	8.0	9.0	1/4"	5/8"	
AC3077-I/O	SRK95ZRA-W - SRC95ZRA-W	9.5	10.3	3/8"	5/8"	

AVANTI PLUS PLATINUM SERIES
Features and Benefits

- Improved energy efficiency
- Energy saving motion sensor and eco operation as standard
- Optional Wi-Fi control
- 5 Year Parts and Labour Warranty (residential)



Stock No.	Model	Capacity (kW)		Pipe Size		Price \$ Excl. GST
		Cooling	Heating	Liquid	Gas	
AC3081-I/O	SRK20ZSXA-W - SRC20ZSXA-W	2.0	2.7	1/4"	3/8"	
AC3082-I/O	SRK25ZSXA-W - SRC25ZSXA-W	2.5	3.2	1/4"	3/8"	
AC3083-I/O	SRK35ZSXA-W - SRC35ZSXA-W	3.5	4.3	1/4"	3/8"	
AC3084-I/O	SRK50ZSXA-W - SRC50ZSXA-W	5.0	6.0	3/8"	1/2"	
AC3085-I/O	SRK60ZSXA-W - SRC60ZSXA-W	6.1	6.8	1/4"	1/2"	

Note: The complete Mitsubishi Heavy Industries product range is available upon request.



GREE HOT WATER HEAT PUMPS - R410A

GREE VERSATI II+ HWHP

The Versati II+ Hot Water series is a DC inverter, multifunction air to water heat pump which has adopted advanced heat pump technology. Working on the same principle as a regular heat pump the Versati II+ units absorb natural heat from the ambient air and use this to heat water for home heating and domestic hot water usage. In summer the Versati II+ can reverse cycle and provide cold water for summer cooling.



VERSATI II+ SERIES

Stock No.	Model	Configuration	Power Supply	Capacity (kW)		Water Supply (L/hr)	Water Temp. Range (°C)	Price \$ Excl. GST
				Heating	Cooling			
VERSATI II+ MONOBLOC								
AC7701	GRS-CQ10Pd/NaC-K	Monobloc	1Ø	9.5	9.8	450	7 - 55	
AC7703	GRS-CQ14Pd/NaC-M	Monobloc	3Ø	14.2	14.5	450	7 - 55	
VERSATI II+ SPLIT								
AC7704-I/O	GRS-CQ16Pd/NaB-K	Split	1Ø	15.5	14.5	450	7 - 55	



Underfloor Test Conditions:

Cooling: Ambient Air 35°C DB/24°C WB, Water 23°C EWT/18°C LWT.

Heating: Ambient Air 7°C DB/6°C WB, Water 30°C EWT/35°C LWT

Technical specifications are tested under laboratory conditions and may differ as a result of installation application.

GREE ULTRA HWHP

The Gree Ultra series is an energy efficient, compact hot water heating system. But don't let its compact size fool you, the Ultra series can supply between 31-60kW of heating power. And with a wide operating temperature range of -26°C to 46°C you can rest assured you will have plenty of hot water all year round.



Stock No.	Model	Type	Power Supply	Capacity (kW)		Water Supply (L/hr)	Water Temp. Range (°C)	Price \$ Excl. GST
				Cooling	Heating			
AC7750	GRS-Dm40/NaA-M	Monobloc	3Ø	40.0	n/a	860	35 - 70	
ACSG0999	CF92	Controller						

For further information on Gree products, please visit www.greeonline.com



GREE AIR COOLED CHILLERS - R410A

Gree D Series Air-cooled Chillers are suitable for a wide range of applications. With the additional advantage of being able to reverse cycle they can be used for cooling in summer and heating in winter. Gree chillers can be installed in new builds or retrofitted to existing buildings such as hotels, apartments, restaurants, office buildings, shopping malls, theatres, gyms, workshops, hospitals and any other place where cooling or heating is required.

Features and Benefits

- Advanced microcomputer control system
- High efficiency low noise fan blades
- Gold fin coil protection
- A range of indoor units are available
- CE Certified



Stock No.	Model	Capacity (kW)		Water Side Heat Exchanger		Price \$ Excl. GST
		Cooling	Heating	Water Flow (L/s)	Press. Drop (kPa)	
AC7800	LSQWRF65M/NaD-M	60	65	2.9	15	
AC7801	LSQWRF80M/NaD-M	71	80	3.5	20	
AC7802	LSQWRF130M/NaD-M	120	130	5.7	30	
AC7803	LSQWRF160M/NaD-M	147	160	7.0	40	
AC7804	LSQWRF249M/NaD-M	249	275	11.9	75	

Application	Water Side Operating Temp		Air Side Operating Temp
	Outlet Water Temp (°C)	Temp Diff. Inlet & Outlet (°C)	Outdoor Temp (DB °C)
Cooling	5 ~ 15	2.5 ~ 6	15 ~ 45
Heating	40 ~ 50	2.5 ~ 6	-20 ~ 24

CONTROLLERS

Stock No.	Model	Description	Price \$ Excl. GST
AC7850	CF61	Standard AC Chiller Controller	
AC7854	CF69	Low Temp Process Cooling Controller (-5°C)	

Nominal test conditions:

Cooling: Ambient Temp 35°C DB, Water Temp 12°C EWT/7°C LWT

Heating: Ambient Temp 7°C DB/6°C WB, Water Temp 40°C EWT/45°C LWT

Technical specifications are tested under laboratory conditions and may differ as a result of installation or application.

For further information on Gree products, please visit www.greeonline.com



GREE AIR COOLED INVERTER CHILLERS - R410A

New for 2019 are the Gree A Series air-cooled inverter chillers.

These models offer great energy efficiency being inverter driven while offering flexible capacity control from 10% to 100%.

With the additional advantage of being reverse cycle they can be used for cooling in summer and heating in winter.

The Gree air cooled inverter chillers come standard with gold fin coils, a range of safety devices including a flow switch and they are configured for remote on/off if required.

The chillers can module together and there is the option of long distance monitoring.

Features and Benefits

- Inverter Range 10 ~ 100%
- Reverse Cycle
- Remote On/Off
- Gold fin coil protection
- Eurovent Certified



Stock No.	Model	Capacity (kW)		Water Side Heat Exchanger		Price \$ Excl. GST
		Cooling	Heating	Water Flow (L/s)	Press. Drop (kPa)	
AC7810	LSQWRF35VM/NaA-M	32	36	1.5	75	
AC7811	LSQWRF65VM/NaA-M	65	70	3.1	60	

Application	Water Side Operating Temp		Air Side Operating Temp
	Outlet Water Temp (°C)	Temp Diff. Inlet & Outlet (°C)	Outdoor Temp (DB °C)
Cooling	5 ~ 20	2.5 ~ 6	15 ~ 52
Heating	35 ~ 50	2.5 ~ 6	-20 ~ 40

CONTROLLERS

Stock No.	Model	Description	Price \$ Excl. GST
AC7855	XE73-25/G	Standard AC Chiller Controller	

Nominal test conditions:

Cooling: Ambient Temp 35°C DB, Water Temp 12°C EWT/7°C LWT

Heating: Ambient Temp 7°C DB/6°C WB, Water Temp 40°C EWT/45°C LWT

Technical specifications are tested under laboratory conditions and may differ as a result of installation or application.

For further information on Gree products, please visit www.greeonline.com



GMV5 SOLAR CROWN VRF

Gree Solar Crown DC Inverter Multi VRF

Gree Photovoltaic direct driven inverter VRF combines photovoltaic power generation with power consumption within the air conditioner.

Features and Benefits

- Seamless integration of PV power and air conditioner, with power generation function
- Installation flexibility
- High utilization ratio
- Low power consumption from the grid
- Instant switchover for power generation
- No wastage of residual power
- Maximum power point tracking technology to control photovoltaic power generation
- Four quadrant commutation technology, low harmonic wave content and no interference

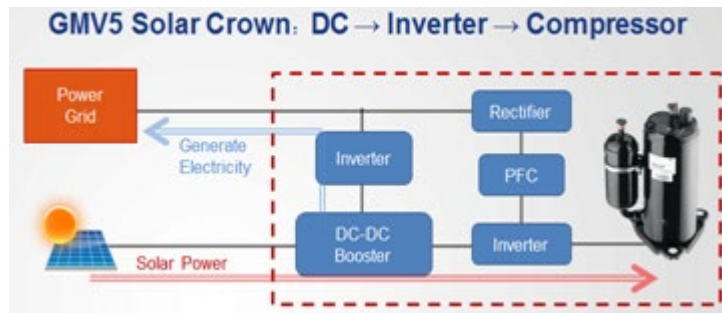


GMV5 SOLAR CROWN OUTDOOR UNIT

Model	Capacity (kW)		Indoor Units	Power	Price \$ Excl. GST
	Cooling	Heating			
220-240/1/50 - Single Phase					
GMV-HY140WLT/A-K(A)	14.0	16.0	2 ~ 8	220-240/1/50	

SPECIFICATION & PARAMETERS

Model.	Solar PV Input			Solar PV Output			
	Cooling	Heating	Amps	Watts	Voltage	Amps	Hertz
GMV-HY140WLT/A-K(A)	4160	320	17.0	3600	230	15.9	50



For further information on Gree products, please visit www.greeonline.com



GMV5 MINI VRF - R410A 2 Pipe System

Gree GMV5 All DC Inverter VRF adopts a high-efficient DC inverter compressor and DC inverter fan motor.

Features and Benefits

- Low noise outdoor unit
- High energy efficiency with high-performance compressor
- Long connection pipe design with the maximum length of 300m
- Wide operating conditions
- Intelligent temperature control



GMV5 MINI VRF OUTDOOR UNIT - R410A

Model	Capacity (kW)		Indoor Units	Power	Price \$ Excl. GST
	Cooling	Heating			
220-240/1/50 - Single Phase					
GMV-80WL/A-T(A)	8.0	9.0	4	220-240/1/50	
GMV-100WL/A-T(A)	10.0	11.0	5		
GMV-120WL/A-T(A)	12.1	14.0	7		
GMV-140WL/A-T(A)	14.0	16.5	8		
GMV-160WL/A-T(A)	16.0	18.0	9		

For further information on Gree products, please visit www.greeonline.com



GMV5 HEAT RECOVERY VRF - R410A 3 Pipe System

GMV5 Heat Recovery Systems utilise the excellent features of the standard GMV5 range with the added energy efficiency provided by the mode exchange boxes.

DC inverter technology improves efficiency with DC motors and 180° sine wave speed control.

Non polar CAN communication technology is an industry first. Can communication technology provides quicker system response speed, more convenient installation debugging and more reliable communication data.

Features and Benefits

- Advanced Control Functions
- Wide Operation Range
- Comprehensive Protection
- Flexible Piping Design



GMV5 HEAT RECOVERY VRF OUTDOOR UNIT - R410A

Model	Capacity (kW)		Indoor Units	Power	Price \$ Excl. GST
	Cooling	Heating			
380-415/3/50 - Three Phase					
GMV-Q224WM/E-X	22.4	25.0	13	380-415/3/50	
GMV-Q280WM/E-X	28.0	31.5	16		
GMV-Q335WM/E-X	33.5	37.5	19		
GMV-Q400WM/E-X	40.0	45.0	23		
GMV-Q450WM/E-X	45.0	50.0	26		








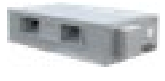


MODE EXCHANGER

Model.	IDU Branches	Conn. to each branch	Total Conn. IDU	Maximum Capacity		Power	Price \$ Excl. GST
				Branch	Total		
220-240/1/50 - Single Phase							
NCHS1C	1	8	8	14.2	14.2	220-240/1/50	
NCHS2C	2	8	16	14.2	28.0		
NCHS4C	4	8	32	14.2	45.0		
NCHS8C	8	8	64	14.2	68.0		

For further information on Gree products, please visit www.greeonline.com

GMV5 VRF SYSTEM - INDOOR UNITS

Indoor Unit		Capacity Range (watts x 100)																	
		22	28	36	45	50	56	71	80	90	100	112	125	140	160	224	250	280	450
High Static Pressure Duct Type Unit		•	•	•	•		•	•	•	•	•	•	•	•	•			•	
Slim Ducted Type Indoor Unit		•	•	•	•		•	•											
360° Air Discharge Cassette Indoor Unit								•	•	•	•	•	•	•					
360° Air Discharge Compact Cassette Indoor Unit			•	•	•		•												
Wall-mounted Type Unit		•	•	•	•		•	•	•		•								
Floor Ceiling Type Indoor Unit			•	•			•	•		•		•	•						
Console Indoor Unit		•	•	•	•	•													
Fresh Air Processing Indoor Unit													•	•		•	•	•	•

Air-Conditioning

 For further information on Gree products, please visit www.greeonline.com

EVAPORATIVE COOLERS - (Indent Only)
DOWN DISCHARGE MODEL

Stock No.	Cool Breeze Model #	kW Equivalent	Motor (Watts)	Cldek Pad (mm)	Nominal Air Flow (L/s)	Price \$ Excl. GST
AC8000	D095	7	600	75	2,000	
AC8001	D125	9	600	75	2,800	
AC8002	D160	11	750	100	3,500	
AC8003	D195	13	1,000	100	4,200	
AC8004	D230	15	1,000	100	5,000	
AC8005	D255	17	1,000	100	5,400	


DOWN DISCHARGE MODEL - TWIN FAN

Stock No.	Cool Breeze Model #	kW Equivalent	Motor (Watts)	Cldek Pad (mm)	Nominal Air Flow (L/s)	Price \$ Excl. GST
AC8007	D500	34	1,000 x 2	100	10,000	


TOP DISCHARGE MODEL

Stock No.	Cool Breeze Model #	kW Equivalent	Motor (Watts)	Cldek Pad (mm)	Nominal Air Flow (L/s)	Price \$ Excl. GST
AC8008	FT195	13	1,000	100	4,200	
AC8009	FT230	15	1,000	100	5,000	
AC8010	FT255	17	1,000	100	5,400	


SIDE DISCHARGE MODEL

Stock No.	Cool Breeze Model #	kW Equivalent	Motor (Watts)	Cldek Pad (mm)	Nominal Air Flow (L/s)	Price \$ Excl. GST
AC8011	S100	8	600	758	2,200	
AC8012	S240	15	1,000	100	5,100	


MOBILE SIDE DISCHARGE MODEL

Stock No.	Cool Breeze Model #	kW Equivalent	Motor (Watts)	Cldek Pad (mm)	Nominal Air Flow (L/s)	Price \$ Excl. GST
AC8013	M240	17	1,000	100	5,400	



EVAPORATIVE COOLERS - (Indent Only)
QUIETFLO PLENUMS - AGP SERIES

Stock No.	Model	Description	Price \$ Excl. GST
AC8220	QFPA2	AGP2 4 way (D095 ~ D160)	
AC8221	QFPA3	AGP3 4 way (D195 ~ D255)	
AC8224	QFPA4	AGP4 6 way (FD500)	


PLENUM ADAPTORS

Stock No.	Model	Description	Price \$ Excl. GST
AC8222	QFA2	Dropper Adaptor to suit QFPA2	
AC8223	QFA3	Dropper Adaptor to suit QFPA3	
AC8225	QFA4	Dropper Adaptor to suit QFPA4	



Note: To suit above plenums and 550 x 550 dropper.

EVAPORATIVE COOLER SELECTION FORMULA

Room Volume x 25, all changes = m³/hr
 Convert to Litre / Sec (m³/hr / 3.6)

Air-Changes Selection Table for Various Ambient Air Properties						
Ambient °C	Relative Humidity Percentage %					
	20	30	40	50	60	70
25	13.5	15.5	17.0	19.0	20.5	22.0
30	16.5	19.0	21.0	23.0	25.0	26.5
35	20.2	22.5	25.0	27.5	29.5	31.0
40	23.0	26.0	29.0	31.5	33.5	36.0
45	27.0	30.0	32.5	35.5	38.0	40.5

Based on 90% saturation efficiency

FLEXIBLE DUCTING

Complies to AS1530 PT3 and relevant clauses of the NZ building code.

Material Group Number of 1 or 1S as per NZBC.

- Duct Core: Polyester film core with aluminium foil laminated onto both sides. This composite film is then permanently bonded onto a corrosion resistant coated, spring steel wire helix.
- Duct Sleeve: Fire retardant 75µm black low density polyethylene and UV stabilised.
- Duct Insulation: Polyester R0.6 nominal.
- Temperature Range: Maximum: +80°C, Minimum: -10°C.
- Colour: Silver with black sleeve

FLEXIBLE DUCTING - INSULATED

Stock No.	Diameter (mm)	Length (mtr)	Description	Price \$ Excl. GST
ACDCT0088	150	3	Insulated	
ACDCT0089	200			
ACDCT0400	250			
ACDCT0401	300			
ACDCT0403	350			
ACDCT0405	400			
ACDCT0399	150	6		
ACDCT0343	200			
ACDCT0344	250			
ACDCT0402	300			
ACDCT0404	350			
ACDCT0406	400			

Note: 450 - 600 mm diameters are available by special order

FLEXIBLE DUCTING - NUDE

Stock No.	Diameter (mm)	Length (mtr)	Description	Price \$ Excl. GST
ACDCT0369	150	3	Nude	
ACDCT0377	200			
ACDCT0370	250			
ACDCT0380	300			
ACDCT0415	350			
ACDCT0417	400			
ACDCT0410	125	6		
ACDCT0411	150			
ACDCT0412	200			
ACDCT0413	250			
ACDCT0414	300			
ACDCT0416	350			
ACDCT0418	400			

BRANCH TAKE OFF (BTO) - NUDE

Stock No.	Description	Size (mm)	Price \$ Excl. GST
ACDCT0719	Poly Branch Take Off - Nude	200 x 150 x 150	
ACDCT0460	Poly Branch Take Off - Nude	200 x 200 x 150	
ACDCT0461	Poly Branch Take Off - Nude	200 x 200 x 200	
ACDCT0462	Poly Branch Take Off - Nude	250 x 200 x 200	
ACDCT0720	Poly Branch Take Off - Nude	250 x 250 x 200	
ACDCT0464	Poly Branch Take Off - Nude	250 x 250 x 250	


DOUBLE BRANCH TAKE OFF (DBTO) - NUDE

Stock No.	Description	Size (mm)	Price \$ Excl. GST
ACDCT0090	Poly Double Branch Take Off - Nude	200 x 150 x 150 x 150	
ACDCT0467	Poly Double Branch Take Off - Nude	250 x 150 x 150 x 150	
ACDCT0480	Poly Double Branch Take Off - Nude	250 x 200 x 150 x 150	
ACDCT1422	Poly Double Branch Take Off - Nude	250 x 200 x 200 x 200	
ACDCT0470	Poly Double Branch Take Off - Nude	350 x 250 x 200 x 200	


"Y" BRANCH - NUDE

Stock No.	Description	Size (mm)	Price \$ Excl. GST
ACDCT1233	Poly "Y" Branch - Nude	150 x 150 x 150	
ACDCT0379	Poly "Y" Branch - Nude	200 x 150 x 150	
ACDCT0376	Poly "Y" Branch - Nude	200 x 200 x 200	
ACDCT0471	Poly "Y" Branch - Nude	250 x 200 x 200	
ACDCT0717	Poly "Y" Branch - Nude	300 x 250 x 250	
ACDCT0494	Poly "Y" Branch - Nude	300 x 300 x 300	
ACDCT0718	Poly "Y" Branch - Nude	350 x 300 x 300	
ACDCT0776	Poly "Y" Branch - Nude	350 x 350 x 350	
ACDCT0777	Poly "Y" Branch - Nude	400 x 300 x 300	
ACDCT0813	Poly "Y" Branch - Nude	400 x 350 x 300	



**FLEXIBLE DUCT FITTINGS
& INLINE DUCT FANS**
DUCT JOINER

Stock No.	Description	Size (mm)	Price \$ Excl. GST
ACDCT0770	Joiner/Spigot	350 dia	
ACDCT0771	Joiner/Spigot	400 dia	
ACDCT0772	Joiner/Spigot	450 dia	


REDUCER POLY

Stock No.	Description	Size (mm)	Price \$ Excl. GST
ACDCT0486	Poly - Reducer	200 x 150	
ACDCT0487	Poly - Reducer	250 x 200	
ACDCT0488	Poly - Reducer	300 x 250	


DUCT FANS

Stock No.	Model	Description	Price \$ Excl. GST
ACFAN0085	HYPER150	150mm Manrose Inline Hyper Fan. 109 l/sec	
ACFAN1006	MF150S	150mm Mix Flow Fan Standard. 2 Speed. 166 l/sec on high speed	
ACFAN1007	MF200S	200mm Mix Flow Fan Standard. 3 Speed. 272 l/sec on high speed	


Notes:

- Designed for applications that require high air flows with relative low noise
- High quality ball bearing, long life motors
- Can be easily installed in series to increase pressure
- 2 speed fan settings for 150mm model and 3 speed fan settings for the 200mm model
- Brackets are supplied with the fan for ease of installation
- Fan assembly can be easily removed from rigid ducting installations for ease of cleaning and maintenance
- Other sizes available upon request

EGGCRATE RETURN GRILLE WITH FILTER

Stock No.	Description	Price \$ Excl. GST
ACDCT0966	595 x 595 ERHFG with filter	
ACDCT1409	550 x 550 - 400/450 stepped spigot (no damper). Suits DCT0966 Egg Crate Filter	


ONE PIECE 4-WAY DIFFUSER

Stock No.	Description	Price \$ Excl. GST
ACDCT2008	300 x 300 One Piece 4-way Diffuser - White	
ACDCT0497	300 x 300: 250 dia Neck Apaptor - Plain. Suits DCT2008 4-way Diffuser	


CONE CEILING DIFFUSERS

Stock No.	Description	Price \$ Excl. GST
ACDCT1472	266mm Face Size, 150mm Duct Size. White Cone Ceiling Diffuser	
ACDCT1473	317mm Face Size, 200mm Duct Size. White Cone Ceiling Diffuser	
ACDCT1474	389mm Face Size, 250mm Duct Size. White Cone Ceiling Diffuser	
ACDCT1475	400mm Face Size, 300mm Duct Size. White Cone Ceiling Diffuser	
ACDCT0965	250-200mm Spigot for Neck Adaptor	




ASPEN COMPACT CONDENSATE PUMPS

Aspen Mini Pump Selector	Mounting				Duty					Flow rate per Metre of head						
	Trunking	In unit	Remote	Below unit	Max flow (l/hr)	Sound dB(A)	Cooling Cap. (kW)	Max head (m)	Suction lift (m)	0	1	2	4	6	8	10
Mini Orange S	√	√	√		12	19	16	10	2	12	11	10	9	8	7	6
Maxi Orange			√		35	35	46	15	2	35	32	28	24	21	19	17
Mini Lime S	√				12	20	16	10	-	12	11	10	9	8	7	6
Mini Aqua S	√	√	√		12	19	16	10	2	12	11	10	9	8	7	6
Mini Blanc				√	12	21	16	10	-	12	11	10	9	8	6	4

COMPACT CONDENSATE PUMPS

Stock No.	Model	Description	Price \$ Excl. GST
T0940	Mini Orange Silent	Silent Pump dimensions: 116mm L x 39mm W x 51mm H Reservoir dimensions: 80mm H x 39mm W x 34mm H	
T0941	Maxi Orange	Pump dimensions: 122mm L x 44mm W x 66mm H Reservoir dimensions: 80mm L x 44mm W x 34mm H	
T0943	Mini Lime Silent	Pump dimensions: 101mm L x 47mm W x 239mm H	
T0939	Mini Aqua Silent	Pump dimensions: 183mm L x 28mm W x 28mm H Reservoir dimensions: 80mm L x 39mm W x 34mm H	
T0938	Mini Blanc	Pump dimensions: 182mm L x 55mm W x 115mm H	




ASPEN CONDENSATE PUMPS

Aspen Tank Pump Selector	Mounting				Duty					Flow rate per Metre of head							
	Trunking	In unit	Remote	Below unit	Max flow (l/hr)	Sound dB(A)	Cooling Cap. (kW)	Max head (m)	Suction lift (m)	0	1	2	3	4	5	12	21
MAX Hi-Flow				√	550	44	733	5		550	480	400	300	190	60		
Hi-Lift 1L				√	11	51	14	12		11	11	11	11	11	11	11	
Hi-Lift 2L				√	11	51	14	12		11	11	11	11	11	11	11	
Universal			√	√	6.5	47	8.5	12	3	6.5	6.5	6.5	6.5	6.5	6.5	6.5	

• Max Hi-flow pump flow rate based on using 10mm tube

HI-FLOW PUMP

Stock No.	Model	Description	Price \$ Excl. GST
T0918	MAX Hi-Flow	Dimensions: 285mm L x 144mm W x 134mm H Tank Capacity: 1.7 litres. Weight: 1.65Kg	


HI-LIFT PUMPS - PERISTALTIC

Stock No.	Model	Description	Price \$ Excl. GST
T0911	Hi-Lift 1L	Dimensions: 244mm L x 148mm W x 132mm H Tank Capacity: 1.0 litre. Weight 1.75Kg	
T0912	Hi-Lift 2L	Dimensions: 244mm L x 148mm W x 164mm H Tank Capacity: 2.0 litres. Weight 1.80Kg	


UNIVERSAL PUMP - PERISTALTIC

Stock No.	Model	Description	Price \$ Excl. GST
T0916	Universal	Dimensions: 135mm L x 77mm W x 115mm H Weight 1.35Kg	




PVC DRAIN TUBE

Stock No.	Model	Description	Length (m)	Price \$ Excl. GST
T0920	AX5200	Drain tube (clear) 6.0mm (1/4") I.D x 30 mtr roll.	per m	
T0921	AX5101	Drain tube reinforced (braided) 10.0mm (3/8") I.D x 30 mtr roll.	per m	


CONDENSATE PUMP ACCESSORIES

Stock No.	Model	Description	Price \$ Excl. GST
T0922	FP2628	1/4" Non Return Valve	
T0965	FP2622	Straight Connector 1/4" (Packet of 5)	
T0964	FP2624	Straight Connector 3/8" (Packet of 5)	
T0968	FP2028	Elbow Connector 1/4" (Packet of 5)	
T0969	FP2032	Elbow Connector 3/8" (Packet of 5)	
T0970	FP2024	Equal Tee Connector 1/4" (Packet of 5)	
T0971	FP2030	Equal Tee Connector 3/8" (Packet of 5)	
T0967	FP2020	Straight Reducer 3/8" to 1/4" (Packet of 5)	
T0961	FP2038	Hose to Waste Connector 6mm or 10mm to 21mm overflow pipe (packet of 3)	
T0978	FP2040	Hose to Overflow 6mm or 10mm self sealing adaptor (packet of 3)	
T0972	FP2016	Rubber Pipe Adaptor to connect 21mm overflow pipe to 25mm waste pipe	
T0973	FP2017	Rubber Pipe Adaptor to connect 21mm overflow pipe to 32mm waste pipe	
T0974	FP2013	Tank Pump Rubber Adaptor 32mm - 21mm (Packet of 3)	
T0975	FP2012	Tank Pump Rubber Adaptor 26mm - 21mm (Packet of 3)	
T0976	FP2002	Mini Pump Rubber Adaptor 25mm - 16mm (Packet of 3)	
T0977	FP2003	Mini Pump Rubber Adaptor 32mm - 16mm (Packet of 3)	
T0925	FP2636	1/4" Inline Filter	
T0926	FP2640	5/8" Inline Filter	
T0905	FP1282	Peristaltic Spare Head Tube Kit	
T0928	1573/1	Peristaltic Universal Plug In Cable - 3m	


WATER TREATMENT

Treatments for condensate drain line protection. Eliminates or prevents most blockages in air conditioning and refrigeration drain lines due to the build up of bacterial slime, rust, scale, sludge, air-borne dust, silt and other solids.

Stock No.	Description	Pkt. Qty.	Price \$ Excl. GST
N0703	Actabs - Self-dispensing pack of 6 - EPA Registered formula	6 Tablets	
N0704	Actabs JR - approx. 200 tabs. - EPA Registered formula	400 g	
T0956	Gel-clear FC-22 condensate fan coil tablet. A simple, effective solution to keeping condensate drains working. One year tablet	1 Tablet	
T0957	Gel-clear AC-03 condensate drain micro-tablets. Effective for 3 months. 6 Micro-tablets	6 Micro-Tabs	
T0955	Gel-clear QP34 condensate drain tablet. Effective for 12 months. 1 tablet.	1 Tablet	
T0955-10	Gel-clear QP34-10 condensate drain tablets. 1 Tablet effective for 12 months. 10 tablet tube.	10 Tablets	
T0959	Gel-clear TSG-18 green condensate drain strips. Effective for 6 months. Gel-clear green strips kill airborne and waterborne microbes, leaving a fresh pleasant smell.	Drain Strip	
T0958	Gel-clear DTD250 Condensate UV drain dye. Concentrate and able to treat 1,000 litres of water.		



SAUERMANN CONDENSATE PUMPS

Sauermann Pump Selector	Mounting				Duty					Flow rate per Metre of head						
	Trunking	In unit	Remote	Below unit	Max flow (l/hr)	Sound dB(A)	Cooling Cap. (kW)	Max head (m)	Suction lift (m)	0	1	2	4	6	8	10
Si-30	✓		✓		20	20	20	10	3	20	17	15	11	8.5	6	4
Delta Pack	✓				20	22	20	10	-	20	17	15	11	8.5	6	4
Si-82			✓	✓	500	45		5	-	500	380	310	150	-	-	-
Si-93			✓	✓	360	60		20	-	360	350	340	315	290	260	-

COMPACT CONDENSATE PUMPS

Stock No.	Model	Description	Price \$ Excl. GST
T0951	Si-30	Sauermann high performance compact pump <ul style="list-style-type: none"> • Flow Rate: 20 L/hr maximum • Discharge head: 10m maximum • Sound level: 20 dBA @ 1m 	
T0952	Delta Pack	Sauermann Delta Pack compact pump & trunking kit <ul style="list-style-type: none"> • Flow Rate: 20 L/hr maximum • Discharge head: 10m maximum • Sound level: 22 dBA @ 1m 	


TANK PUMP

Stock No.	Model	Description	Price \$ Excl. GST
T0953	Si-82	Sauermann centrifugal tank pump <ul style="list-style-type: none"> • Flow Rate: 500 L/hr maximum • Discharge head: 5m maximum • Tank capacity: 2 litre • Reservoir dimensions: 279mm L x 108mm W x 175mm H 	


SUPERMARKET PUMP

Stock No.	Model	Description	Price \$ Excl. GST
T0954	Si-93	Sauermann supermarket condensate pump <ul style="list-style-type: none"> • Flow Rate: 360 L/hr max • Discharge head: 20m max • Tank capacity: 4.5 litre • Dimensions: 529mm L x 259mm W x 69mm H 	




TOYO CONDENSER MOUNTING BASES

Stock No.	Model	Description	Price \$ Excl. GST
AC0502	HB-360	Mounting Base, Ivory 360 mm	
AC0503	HB-450	Mounting Base, Ivory 450 mm	
AC0510	BBB-36	Quick Base, Ivory 360 mm	
AC0512	BBB-45	Quick Base, Ivory 450 mm	
AC0521	BBB-C	Quick Base End Caps	


POLYSLAB CONDENSER MOUNTING BASE

Stock No.	Model	Description	Price \$ Excl. GST
AC1220	PS465	Polyslab - Medium. 885mm x 465mm x 51mm	


FIX-IT FOOT SUPPORT

Stock No.	Model	Description	Price \$ Excl. GST
AC1223	B9368SET	Fix-it Foot set - Low Profile - 500 x 130 x 50mm (2 feet)	


VIBRATION ISOLATORS

Stock No.	Model	Description	Price \$ Excl. GST
AC1130	VMCB	Anti Vibration Mounting -40mm strut. Pack of 4	
AC1131	VM3	Anti Vibration Mounting Stand (H)75mm. Pack of 4	


ANTI-VIBRATION PADS

ISO Cube is a natural rubber pad, designed to reduce vibration and noise emanating from refrigeration and air conditioning equipment. Circular design of each pad offers a suction cup effect, which eliminates the need to bolt the pad down. Standard pad is divided into eighty one 50 mm segments. These 50 durometer pads will withstand a load of 180 psi per each 50 mm square.

Stock No.	Description	Price \$ Excl. GST
V0265	ISO Cube Anti-Vibration Pad. ISO-18. 450 x 450 x 19 mm	
V0290	ISO Cube Anti-Vibration Single Square. 50 x 50 mm	



Stock No.	Description	Price \$ Excl. GST
V0271	MA-Line Solid Rubber Anti-Vibration Pad 455 x 455 x 5 mm	

MOUNTING BRACKETS
WALL MOUNTING BRACKETS

Stock No.	Model	Description	Price \$ Excl. GST
Powder Coated			
AC0611	QKK-1	Wall Type - For 3.5kW or smaller. Width: 260 - 760mm x Depth: 130 - 360mm. Max weight 60Kg	
AC0613	AH-KL	Wall Type - For 5.0kW or smaller. Width: 330 - 630mm x Depth: 130 - 360mm. Max weight 75Kg	
AC1310	PL412C	Wall Type. Width: 700mm x Depth: 450mm. Max Weight 120 Kg	
AC1311	PL412D	Wall Type. Width: 780mm x Depth: 550mm. Max Weight 150 Kg	
304 Stainless Steel			
AC1301	PL412CSS	Stainless Steel 304 Wall Type - Width: 700mm x Depth: 450mm. Max Weight 120 Kg	
AC1302	PL412DSS	Stainless Steel 304 Wall Type - Width: 780mm x Depth: 550mm. Max Weight 150 Kg	


MONKEYTOE WALL MOUNTING BRACKETS

Stock No.	Model	Description	Price \$ Excl. GST
Marine Grade T6 Aluminium			
AC1323	CW080.500	Wall Mount Bracket Set. High Tensile, Marine Grade T6 Aluminium. Max Weight 80Kg	
AC1324	CW200.600	Wall Mount Bracket Set. High Tensile, Marine Grade T6 Aluminium. Max Weight 200 Kg	


ROOF MOUNTING BRACKETS

Stock No.	Model	Description	Price \$ Excl. GST
Powder Coated			
AC0603	AH-YDII	Sloped Roof Bracket For 5.0kW or smaller. Slope 11° - 30° Width: 250 - 700mm x Depth: 230 - 700mm. Max weight 75Kg	
AC0609	QKYL-1	Sloped Roof Bracket For 3.5kW or smaller. Slope 10° - 30° Width: 250 - 700mm x Depth 230 - 700mm. Max weight 60Kg	
304 Stainless Steel			
AC1304-R	B6389	Sloped Roof Bracket - Stainless Steel 304 - adjustable 0-45° Width: 1000 mm x Depth: 220-500 mm. Max weight 150Kg	



MOUNTING BRACKETS
CANTILEVER BRACKETS

Stock No.	Model	Description	Price \$ Excl. GST
AC1200	MCB450	Medium duty galvanised cantilever bracket - 450mm	
AC1201	HCB450	Heavy duty galvanised cantilever bracket - 630mm	
AC1208	Kit 1	Kit: c/w 4 x 10mm coach bolts, 4 x SNL-M8 channel spring nuts, 4 x M8 bolts, 2 x end caps	
AC1209	Kit 2	Kit: c/w 4 x 10mm dyna bolts, 4 x SNL-M8 channel spring nuts, 4 x M8 bolts, 2 x end caps	


CHANNEL & ACCESSORIES

Stock No.	Model	Description	Price \$ Excl. GST
J1620	M4000	Aluminium Channel, 40 x 20 x 1000mm long. 1.6mm thick	
AC1205	M1000	Galvanised Steel Channel, 40 x 40 x 3000mm long. 2.5mm thick	
J1263/C	W38114Z	10mm x 32 mm Zinc Plated Penny Washer - (container of 100)	
J1264	FN10100	Zinc plated nut M10 (container of 100)	
AC1215	SNL-M8	8mm channel spring nut	
AC1216	SNL-M10	10mm channel spring nut	



MONKEYTOE CONDENSER MOUNTS

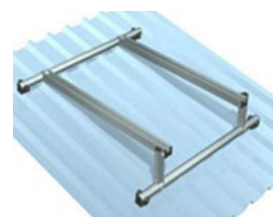
The MonkeyToe adjustable roof mounting system ensures the correct installation of condenser units, fans and other lightweight equipment on the roof.

Features:

- Kitset componentry ensures easy on site assembly
- Lightweight, high strength T6 aluminium components
- Low maintenance and neat appearance
- Suitable for all Steel and Membrane roof profile design

Example of how the code works:

CS001.12.3 - CS001 = Single mount, 12 = 1200mm purlin spacing, 3 = adjustable up to 300mm



MONKEYTOE MOUNTS

Stock No.	Model	Description	Price \$ Excl. GST
CS001 Series - Supports are suitable for units weighing up to 80 Kg			
AC1313	CS001.10.1	Condenser Support - 100mm adjustable - 1.0m Purlin	
AC1314	CS001.12.3	Condenser Support - 300mm adjustable - 1.2m Purlin	
AC1315	CS001.15.3	Condenser Support - 300mm adjustable - 1.5m Purlin	
AC1312	CS001.18.3	Condenser Support - 300mm adjustable - 1.8m Purlin	
AC1327	CS001.25.3	Condenser Support - 300mm adjustable - 2.5m Purlin	

CS001 Kitset Components:

- 2X CS011 Top Rails, 2x CS013 Uprights, 2x CS020 Roof rails, 4x RC02.8 Roofing Clips, 1x CS014 Bolt Packages.

MONKEYTOE HEAVY DUTY MOUNTS

Stock No.	Model	Description	Price \$ Excl. GST
CS001H Series - (H) = Heavy Duty. Supports are suitable for units weighing up to 150 Kg			
AC1330	CS001H.10.4	Heavy Duty Condenser Support - 400mm adjustable - 1.0m Purlin	
AC1316	CS001H.12.3	Heavy Duty Condenser Support - 300mm adjustable - 1.2m Purlin	
AC1317	CS001H.15.3	Heavy Duty Condenser Support - 300mm adjustable - 1.5m Purlin	
AC1332	CS001H.18.3	Heavy Duty Condenser Support - 300mm adjustable - 1.8m Purlin	
AC1334	CS001H.20.3	Heavy Duty Condenser Support - 300mm adjustable - 2.0m Purlin	
AC1326	CS001H.25.3	Heavy Duty Condenser Support - 300mm adjustable - 2.5m Purlin	

CS001H Kitset Components:

- 2X CS012 Top Rails, 2x CS013 Uprights, 2x CS020 Roof rails, 4x RC02.1 Roofing Clips, 1x CS014 Bolt Packages

MONKEYTOE MOUNT ACCESSORIES

Stock No.	Model	Description	Price \$ Excl. GST
AC1331	CS002.10.1.3	MD Cond Supp 1.0m Purlin Adjustable 100mm (3 unit)	
AC1318	RCD400.300	Dimond 400 Roofing Attachment Clip	
AC1319	CS014	Condenser fixing kit	
AC1320	CS015	Isolator Box Fitting Kit	
AC1321	CS020.24	Roof Rail 2400mm long PM01	
AC1322	RC02.1T	Membrane Roof Fixing Clip to suit PM01	
AC1325	AC-STHR-30	High Rib Roof Clip	
AC1328	RC02.8	Fixing Clip to suit PM01 : 80mm Combi stud	
AC1329	FVM02	Heavy Duty Vibration Mount	
AC1333	CS013.1000	Condenser mount upright (1 m)	
AC1338	CS013.3	Upright 300mm	
AC1344	CS013.4	Upright 400mm	
AC1346	CS013.6	Upright 600mm	
AC1348	CS013.8	Upright 800mm	
AC1350	CS018.24	24.5mm Swivel Connection for Top Rails (PM02)	
AC1352	CS019	50 x 3 Equal Angle Connector Kit (50mm long)	
AC1354	PM01.09	960mm Long PM01 Complete with End Caps and Teks	
AC1355	PM02	PM02; 53mm x 50mm Extrusion- 5.8m length	
AC1356	PM03	PM03; 90mm x 53mm Extrusion- 5.8m length	
AC1358	RC02.075C	PM01 Roofing Clip Kit - 75mm Combi Stud	
AC1357	RC01.075C	PM03 Roofing Clip Kit - 75mm Combi Stud	



MONKEYTOE WALL MOUNT BRACKETS

Stock No.	Model	Description	Price \$ Excl. GST
AC1323	CW080.500	80 Kg Wall Mount Bracket Set. High Tensile, marine grade T6 aluminium.	
AC1324	CW200.600	200 Kg Wall Mount Bracket Set. High Tensile, marine grade T6 aluminium.	



RAPID FIT OUTDOOR UNIT GUARDS

Rapid Fit Guards are designed to deter vandalism and prevent damage to outdoor air-conditioning units.

Constructed with Zinc passivated steel and a powder coated (ivory) finish.

Features:

- Simple and easy to install tab and slot design allows panels to connect
- Panels are removable to allow maintenance of the unit
- Includes 3 x tamper resistant screws
- Adjustable feet to allow services at ground level
- Bottom panels and drip trays available for guard fixed at high level on wall



OUTDOOR UNIT SECURITY CAGES

Stock No.	Model	Description	Dim. (mm) H x W x D	Price \$ Excl. GST
AC1401	B9163	Small Security Cage	660 x 1052 x 572	
AC1402	B9164	Medium Security Cage	1060 x 1152 x 572	
AC1403	B9165	Large Security Cage	1360 x 1152 x 572	
AC1404	B9252	Bottom Panel Small		
AC1405	B9255	Bottom Panel Medium & Large		


TOYO PRE- INSULATED PAIR COIL - (R410A rated)

Stock No.	Size (inch)	Description	Length (m)	Price \$ Excl. GST
AC0002	1/4 x 3/8	Toyo Pre-insulated Pair Coil	20	
AC0003	1/4 x 1/2			
AC0004	1/4 x 5/8			
AC0005	3/8 x 5/8			
AC0006	3/8 x 3/4			


TOYO PRE-INSULATED SINGLE COIL - (R410A rated)

Stock No.	Size (inch)	Description	Length (m)	Price \$ Excl. GST
AC0010	1/4	Toyo Pre-insulated Single Coil	20	
AC0011	3/8			
AC0012	1/2			
AC0013	5/8			
AC0014	3/4			


REALCOLD PRE-INSULATED PAIR COIL - (R410A rated)

Stock No.	Size (inch)	Description	Length (m)	Price \$ Excl. GST
AC0056	1/4 x 3/8	Pre-insulated Pair Coil	20	
AC0057	1/4 x 1/2			
AC0058	1/4 x 5/8			
AC0059	3/8 x 5/8			
AC0055	3/8 x 3/4			


FIRE RATED PRE- INSULATED PAIR COIL - (R410A rated)

For the fire rating classification, please check with your local Realcold branch.

Stock No.	Size (inch)	Description	Length (m)	Price \$ Excl. GST
AC0040	1/4 x 3/8	Fire Rated Pre-insulated Pair Coil	20	
AC0041	1/4 x 1/2			
AC0042	1/4 x 5/8			
AC0043	3/8 x 5/8			
AC0044	3/8 x 3/4			


INTERNAL PIPE BENDERS - FOR PAIR COIL

Stock No.	Model	Description	Price \$ Excl. GST
T4323	PB38	3/8" Internal Pipe Bender	
T4324	PB12	1/2" Internal Pipe Bender	
T4325	PB58	5/8" Internal Pipe Bender	
T4326	PB34	3/4" Internal Pipe Bender	



ROOF PENETRATIONS

- Complies with NZ Metal Roofing Code of Practice.

Stock No.	Model	Description	Price \$ Excl. GST
N0495	RFPN65	Top Hat Roof Penetration Kit - 65mm Kit contains: Decktite flashing, PVC slotted pipe, PVC cap, 12 x hex head screws, Bostik sealant	
N0497	RFPN80SC	Top Hat Roof Penetration Kit - 80mm Kit contains: Decktite flashing, PVC slotted pipe, PVC cap, 12 x hex head screws, Bostik sealant	
N0496	RFPN110FC	Top Hat Roof Penetration Kit - 110mm Kit contains: Decktite flashing, PVC slotted pipe, PVC cap, 12 x hex head screws, Bostik sealant	



Air-Conditioning

BUILDING ENVELOPE PENETRATION SEALS

A one piece self adhesive collar for sealing around pipe and conduit. Can be used on all accepted wall underlays including bituminous paper.

- BRANZ Appraised for flexible and rigid wall underlays

Stock No.	Model	Description	Price \$ Excl. GST
N0451	TSEAL 15-22	Trade Seal size 15-22mm	
N0452	TSEAL 25-32	Trade Seal size 25-32mm	
N0453	TSEAL 42-55	Trade Seal size 42-55mm	
N0454	TSEAL 50-70	Trade Seal size 50-70mm	



SEALING PUTTY - FLAME PROOF

Stock No.	Model	Description	Price \$ Excl. GST
AC0702	PT-1K	Toyo Flameproof Sealing Putty - Ivory - 1 Kg	



TOP PLATE & STUD STIFFENER

The Top Plate Stiffener has been designed to allow a service hole of no greater than 60mm to be drilled through a top plate (including top plate packer if used) to allow services such as air conditioning or central vacuum pipes to be passed through the member. The fitting of a Top Plate Stiffener reinstates the integrity of the penetrated top plate.

Stock No.	Description	Price \$ Excl. GST
AC1225	Top Plate and Stud Stiffener	



PVC DRAIN PIPE & FITTINGS
CONDENSATE DRAIN PIPE

Stock No.	Size (mm)	Description	Price \$ Excl. GST
AC1001	15	PVC White Drain Pipe - 3.9m length	
AC1003	20	PVC White Drain Pipe - 3.9m length	
AC1005	25	PVC White Drain Pipe - 3.9m length	
AC1007	32	PVC White Drain Pipe - 3.9m length	


90° ELBOW

Stock No.	Size (mm)	Description	Price \$ Excl. GST
AC1010	15	90° PVC Elbow	
AC1012	20	90° PVC Elbow	
AC1014	25	90° PVC Elbow	
AC1015	32	90° PVC Elbow	


45° ELBOW

Stock No.	Size (mm)	Description	Price \$ Excl. GST
AC1018	15	45° PVC Elbow	
AC1020	20	45° PVC Elbow	
AC1022	25	45° PVC Elbow	
AC1024	32	45° PVC Elbow	


EQUAL TEE

Stock No.	Size (mm)	Description	Price \$ Excl. GST
AC1028	15	PVC Equal Tee	
AC1030	20	PVC Equal Tee	
AC1032	25	PVC Equal Tee	
AC1034	32	PVC Equal Tee	


SOCKET COUPLER

Stock No.	Size (mm)	Description	Price \$ Excl. GST
AC1036	15	PVC Double Ended Socket	
AC1038	20	PVC Double Ended Socket	
AC1040	25	PVC Double Ended Socket	
AC1042	32	PVC Double Ended Socket	



PVC DRAIN PIPE & FITTINGS

REDUCING SOCKET

Stock No.	Size (mm)	Description	Price \$ Excl. GST
AC1044	20 to 15	PVC Reducing Socket	
AC1046	25 to 15	PVC Reducing Socket	
AC1048	25 to 20	PVC Reducing Socket	
AC1049	32 to 25	PVC Reducing Socket	



Air-Conditioning

REDUCING BUSH

Stock No.	Size (mm)	Description	Price \$ Excl. GST
AC1052	20 to 15	PVC Reducing Bush	
AC1054	25 to 15	PVC Reducing Bush	
AC1056	25 to 20	PVC Reducing Bush	



THREADED MALE SOCKET

Stock No.	Size (mm)	Description	Price \$ Excl. GST
AC1060	15	PVC Threaded Socket - Male	
AC1062	20	PVC Threaded Socket - Male	
AC1064	25	PVC Threaded Socket - Male	



THREADED FEMALE SOCKET

Stock No.	Size (mm)	Description	Price \$ Excl. GST
AC1070	15	PVC Threaded Socket - Female	
AC1072	20	PVC Threaded Socket - Female	
AC1074	25	PVC Threaded Socket - Female	



BARREL UNION

Stock No.	Size (mm)	Description	Price \$ Excl. GST
AC1110	15	PVC Barrel Union	
AC1112	20	PVC Barrel Union	
AC1114	25	PVC Barrel Union	
AC1077	32	PVC Barrel Union	



PVC DRAIN PIPE & FITTINGS
PIPE SADDLE - IVORY

Stock No.	Size (mm)	Description	Price \$ Excl. GST
AC1090	15	Pipe Saddle	
AC1092	20	Pipe Saddle	
AC1094	25	Pipe Saddle	
AC1095	32	Pipe Saddle	


PIPE SADDLE - ZINC PLATED

Stock No.	Size (mm)	Description	Price \$ Excl. GST
AC1096	15	Single Sided Clip - Zinc Plated	
AC1098	20	Single Sided Clip - Zinc Plated	


XTRA SURFACE MOUNT CLIPS

Stock No.	Size (mm)	Description	Price \$ Excl. GST
AC1120	15	Surface Mount Clip - Packet of 10	
AC1122	20	Surface Mount Clip - Packet of 10	
AC1124	25	Surface Mount Clip - Packet of 10	


PVC ADHESIVE

Stock No.	Size (mm)	Description	Price \$ Excl. GST
AC1078	125	PVC Pipe Clear Adhesive - Type P	
AC1080	250	PVC Pipe Clear Adhesive - Type P	


CONDENSATE TRAPS & BRUSHES

Stock No.	Description	Price \$ Excl. GST
AC1102	20mm Cleanable Clear J Condensate Trap	
AC1108	Flexible Cleaning Brush	
AC1150	Vision Trap Drain - (P Trap)	


DEFROST HEATER TAPE

Stock No.	Model	Description	Price \$ Excl. GST
N0626	FST25	Self Regulating Heat Trace Cable. 25 watts per metre at 10°C, 230V. Minimum installation temperature -40°C	
N0635		Termination Kit - FCT BTV-2	



N0626 can be used in evaporator drains, provided correct termination kits are fitted.



TOYO PIPE DUCTING & ACCESSORIES

This attractive ivory coloured ducting is easy to install. The slim, square design of the duct and accessories has an aesthetic appearance which will enhance any installation. The duct is made of highly durable, weatherproof PVC resin. Suitable for use in the temperature range -20°C to +60°C

Stock No.	Model	Description	Carton Quantities	Price \$ Excl. GST
80mm Range				
AC0201	TD-80	80 mm Duct - 2 metre length	5	
AC0206	DC-80	80 mm Cap	20	
AC0209	DK-80	80 mm Corner	20	
AC0212	DF-80S	80 mm Flexible Joint - 500mm length	20	
AC0215	DLW-80	80 mm 45° Elbow	20	
AC0217	DL-80	80 mm 90° Elbow	20	
AC0220	DJ-80	80 mm Joint	50	
AC0223	DE-80	80 mm End Socket	20	
AC0224	DS-80	80 mm Ceiling Cap	20	
AC0230	DT - 80	80mm T-Joint	20	
AC0231	DT-80L	80mm Flexible Joint - 1100mm length	15	
100mm Range				
AC0204	TD100	100 mm Duct - 2 metre length	4	
AC0205	DC-100	100 mm Cap	10	
AC0211	DK-100	100 mm Corner	20	
AC0214	DF-100	100 mm Flexible Joint - 700mm length	8	
AC0216	DL-100	100 mm 90° Elbow	12	
AC0219	DJ-100	100 mm Joint	25	
AC0222	DS-100	100 mm Duct Ceiling Cap	15	
AC0232	DT-100	100 mm T-Joint	10	
Wall Pipe with Flange				
AC0228	WPC-60	Wall Pipe with Flange	100	




TOYO PIPE DUCTING & ACCESSORIES

Stock No.	Model	Description	Carton Quantities	Price \$ Excl. GST
120mm Range				
AC0202	TD-120	120 mm Duct - 2 metre length	4	
AC0207	DC-120	120 mm Cap	10	
AC0210	DK-120	120 mm Corner	6	
AC0213	DF-120	120 mm Flexible Joint - 700mm length	5	
AC0218	DL-120	120 mm 90° Elbow	10	
AC0221	DJ-120	120 mm Joint	20	
AC0225	DT-120	120 mm T-Joint	5	
AC0226	DB-120	120 mm Branch Joint	5	
AC0227	DR-120	120 mm Reducing Joint	10	
AC0229	DS-120	120 mm Duct Ceiling Cap	10	
Wall Pipe with Flange				
AC0228	WPC-60	Wall Pipe with Flange	60	


FLEXIBLE DRAINAGE HOSE

Stock No.	Model	Description	Price \$ Excl. GST
AC0750	WRH-14	Drain Hose 14 mm x 50m roll	
AC0755	WRH-16	Drain Hose 16 mm x 50m roll	
AC0745	DRS	Drain Y Connector - suits 14mm & 16mm drain	
AC0817	1DH-20JH	Joint for 20 mm Drain Hose	


SEALING PUTTY - FLAME PROOF

Stock No.	Model	Description	Price \$ Excl. GST
AC0702	PT-1K	Toyo Flameproof Sealing Putty - Ivory - 1 Kg	



RUN CAPACITORS

Stock No.	Description	MFD	Voltage	Price \$ Excl. GST
ACSG0412	Run Capacitor	1 µf	450V	
ACSG0238	Run Capacitor	1.5 µf	450V	
ACSG0240	Run Capacitor	2 µf	450V	
ACSG0176	Run Capacitor	3 µf	450V	
ACSG0171	Run Capacitor	3.5 µf	450V	
ACSG0276	Run Capacitor	4 µf	450V	
ACSG0170	Run Capacitor	4.5 µf	450V	
ACSG0267	Run Capacitor	5 µf	450V	
ACSG0293	Run Capacitor	6 µf	450V	
ACSG0284	Run Capacitor	7 µf	450V	
ACSG0061	Run Capacitor	25 µf	450V	
ACSG0093	Run Capacitor	30 µf	450V	
ACSG0275	Run Capacitor	35 µf	450V	
ACSG0175	Run Capacitor	40 µf	450V	
ACSG0035	Run Capacitor	50 µf	450V	
ACSG0255	Run Capacitor	60 µf	450V	



Air-Conditioning

ELECTRICAL ACCESSORIES

Stock No.	Description	Qty.	Price \$ Excl. GST
E10100	Isolator Switch 20A, 2P, 250VAC 50Hz. IP66	each	
E2012	2.5mm, 3 Core TPS, 2C + E	per metre	
E2023	Flexible 25mm conduit	per metre	
E2024	2.5mm, 4 Core TPS, 3C + E	per metre	
E2026	1.5mm, 4 Core TPS, 3C + E	per metre	



FASTENINGS

Stock No.	Description	Size	Head	Quantity	Price \$ Excl. GST
J4049	Stainless Steel Self Tapper	8g x 1/2"	Square Drive	Pk50	
J4050	Stainless Steel Self Tapper	8g x 3/4"	Square Drive	Pk45	
J4051	Stainless Steel Self Tapper	8g x 1"	Square Drive	Pk40	
J4053	Stainless Steel Self Tapper	10g x 1/2"	Square Drive	Pk30	
J4054	Stainless Steel Self Tapper	10g x 3/4"	Square Drive	Pk25	
J4055	Stainless Steel Self Tapper	10g x 1"	Square Drive	Pk25	
J4072	Surefast Countersunk	6g x 3/4"	Square Drive	Pk650	
J4073	Surefast Countersunk	6g x 1"	Square Drive	Pk475	
J4074	Surefast Countersunk	6g x 1 1/4"	Square Drive	Pk400	
J4075	Surefast Countersunk	8g x 3/4"	Square Drive	Pk550	
J4076	Surefast Countersunk	8g x 1"	Square Drive	Pk450	
J4077	Surefast Countersunk	8g x 1 1/4"	Square Drive	Pk335	
J4018	Surefast Countersunk	8g x 1 1/2"	Square Drive	Pk200	
J4078	Surefast Countersunk	8g x 1 3/4"	Square Drive	Pk200	
J4079	Surefast Countersunk	8g x 2"	Square Drive	Pk160	
J4064	Surefast Countersunk	9g x 3/4"	Square Drive	Pk100	
J4066	Surefast Countersunk	9g x 1 1/4"	Square Drive	Pk100	
J4067	Surefast Countersunk	9g x 2"	Square Drive	Pk50	
J4082	Surefast Countersunk	10g x 3"	Square Drive	Pk100	
J4059	Metal Piercing Wafer Head Tek Screw	8g x 12 mm	Pozi Drive	Pk150	
J4060	Metal Piercing Wafer Head Tek Screw	8g x 25 mm	Pozi Drive	Pk125	
J4056	Tek Screws Stainless Steel	10g x 12 mm	Square Drive	Pk100	
J4057	Tek Screws Stainless Steel	10g x 16 mm	Square Drive	Pk90	
J4058	Tek Screws Stainless Steel	10g x 20 mm	Square Drive	Pk55	
J4013	Tek Screws Metal Galv Class 3	10g x 25 mm	Hex Head	Pk50	
J4070	Tek Screws Metal Galv Class 3	12g x 25 mm	Hex Head	Pk70	
J4071	Tek Screws Metal Galv Class 3	12g x 45 mm	Hex Head	Pk40	
J4007	Tek Screws Wood T17 Class 2	12g x 25 mm	Hex Head	Pk95	
J4069	Tek Screws Wood T17 Class 2	12g x 40 mm	Hex Head	Pk60	
J4008	Tek Screws Wood T17 Class 3	12g x 50 mm	Hex Head	Pk60	
J4004	Powers Wall Dog Screw	8g x 32 mm	Square Drive	Pk100	
J4041	Plaster Board Plastic Self Drill + Screw	-	Pzi/Sq	Pk100	
J4043	Plaster Board Metal Self Drill + Screw	-	Pzi/Sq	Pk100	
J4026	Stainless Steel Self Tapper	8g x 25mm	Pzi/Sq	Pk100	
J4032	Nylon Anchor SS Nail	5g x 25mm	Round Head	Pk100	
J4089	Nylon Anchor Roundhead	5 x 25mm	Round Head	Pk80	
J4090	Hollow Wall Anchor	4 x 40mm	-	Tub 16	



FASTENINGS

Stock No.	Description	Size	Quantity	Price \$ Excl. GST
J4002	Nylon Wall Plug	5g x 25 mm	Pk190	
J4003	Nylon Wall Plug	6g x 30 mm	Pk170	
J4044	Hollow Wall Anchor	4g x 40 mm	Pk20	
J4045	Hollow Wall Anchor	4g x 55 mm	Pk19	
J4046	Hollow Wall Anchor	6g x 40 mm	Pk11	
J4000	Nylon Anchor	5.0 mm x 25 mm	Pk100	
J4001	Nylon Anchor	6.5 mm x 38 mm	Pk45	
J4061	Rivets Aluminium	1/8"D x 1/4"L	Pk100	
J4062	Rivets Aluminium	1/8"D x 5/16"L	Pk100	
J4063	Rivets Aluminium	1/8"D x 3/8"L	Pk100	
J4030	Rivets Aluminium	1/8"D x 1/2"L	Pk100	
J4033	Rivets Aluminium	5/32"D x 1/4"L	Pk100	
J4034	Rivets Aluminium	5/32"D x 3/8"L	Pk100	
J4035	Rivets Stainless Steel	1/8"D x 1/4"L	Pk100	
J4036	Rivets Stainless Steel	1/8"D x 5/16"L	Pk100	
J4037	Rivets Stainless Steel	1/8"D x 3/8"L	Pk100	


Air-Conditioning
FASTENING KIT

Stock No.	Description	Price \$ Excl. GST
J4086	18 of the most commonly used fixings and fastenings in the industry in one simple easy to carry case. Unique storage for on-site and in a vehicle. Tough composite storage box. Belt clip on transparent containers	235.00


NYLON CABLE TIES

Stock No.	Description	Colour	Pack Qty.	Size (mm)		Qty.	Price \$ Excl. GST
				Width	Length		
H0084	Cable Tie	Natural	100	2.5	100	Sold Individually	
H0085	Cable Tie	Black					
H0086	Cable Tie	Natural		3.5	150		
H0087	Cable Tie	Black					
H0088	Cable Tie	Natural		4.6	200		
H0089	Cable Tie	Black					
H0091	Cable Tie	Natural		7.6	390		
H0090	Cable Tie	Black					
H0094	Cable Tie	Natural		50	387		
H0095	Cable Tie	Black					
H0096	Cable Tie	Natural		760			
H0098	Cable Tie	Black					



Note: Cable ties sold individually, not by packet quantity.

INSULATION TAPE

Stock No.	Description	Size (m)	Price \$ Excl. GST
FT501	Armacell Foam Tape Roll - Closed cell elastomeric, black colour, one side adhesive with protective film. Used for hot and cold pipe insulation. Can be used as joint protection. Self adhering. 50mm wide x 3mm thick	9.14	
N2510	Cork Tape Roll - Compounded with synthetic rubber, asphalt and cork dust. Ideal to prevent condensation on pipes. Self adhering. 50mm wide x 3mm thick	9.14	


TAPE

Stock No.	Description	Price \$ Excl. GST
N0185	Insulation Tape - 48 mm x 30 metres roll - Black PVC	
N0186	Insulation Tape - 48 mm x 30 metres roll - White PVC	
N0187	Insulation Tape - 50mm x 50 metres roll - PVC (heavy grade)	
N0420	Electrical Tape - 19 mm x 20 metres Black	
N0421	Electrical Tape - 19 mm x 20 metres Red	
N0422	Electrical Tape - 19 mm x 20 metres Yellow	
N0423	Electrical Tape - 19 mm x 20 metres Blue	
N0424	Electrical Tape - 19 mm x 20 metres Green	
AC0709	Adhesive Tape - 20 mm x 50 metres - Ivory	


DUCT TAPE

Stock No.	Description	Price \$ Excl. GST
N0402	Aluminium Duct Tape - 51 mm x 45.72 metres roll	
N0404	Silver Duct Tape - 51 mm x 54.86 metres roll	


PETROLEUM TAPE

Stock No.	Description	Price \$ Excl. GST
N0406	Denso Tape 50 mm x 10 metres roll	
N0407	Denso Tape 100 mm x 10 metres roll	


TEFLON THREAD SEAL TAPE

Stock No.	Description	Price \$ Excl. GST
N0069	Teflon Thread Seal Tape 12mm x 10m roll	



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CAPITAL PLANT



KIRBY CABINET COOLER EVAPORATORS

With a smart and functional design, the Kirby range of Cabinet Coolers give you more top shelf cabinet space and greater refrigerated storage capability.

Features and Benefits

- Compact, low profile design which gives more shelf space
- Fan motors which can be easily removed for servicing
- Removable, discreet drain tray which is easily removed for cleaning and service
- E-Kote coil protection for protection against the elements (medium temp units only)
- In-built controls terminate the defrost cycle when required temperatures are reached (KF low temp units only)



CABINET COOLER - MEDIUM TEMP

Stock No.	Watts @ 6 KTD			Fan Qty.	Air Vol. (L/sec)	Req. TX Valve	Dimensions (mm)			Weight (Kg)	Price \$ Excl. GST
	R449A	R404A	R134a				W	D	H		
KC301	342	360	320	1	72	Int.	420	390	125	3.9	
KC401	466	490	420	1	77	Int.	420	390	125	4.2	
KC550	599	630	520	2	110	Int.	526	410	130	5.9	
KC651	694	730	600	2	105	Int.	526	410	130	6.5	
KC750	808	850	700	2	120	Int.	526	410	130	6.7	
KC1001	1121	1180	970	3	165	Int.	796	410	130	7.9	
KC1201	1216	1280	1140	3	175	Int.	796	410	130	8.5	
KC1350	1501	1580	1220	3	265	Ext.	1010	410	130	14.0	
KC1700	1786	1880	1460	3	380	Ext.	1245	474	217	15.0	
KC2100	2233	2350	1810	3	350	Ext.	1245	474	217	18.0	

TX valve not fitted as standard

CABINET COOLER - LOW TEMP

Stock No.	Watts @ 6 KTD		Fan Qty.	Air Vol. (L/sec)	Req. TX Valve	Heater Defrost		Dimensions (mm)			Weight (Kg)	Price \$ Excl. GST
	R449A	R404A				Volts	Amps	W	D	H		
KF600	589	620	3	160	Int.	240/1	3.0	796	410	135	7.9	
KF750	751	790	3	175	Ext.	240/1	3.0	796	410	135	8.5	
KF1000	1112	1170	3	270	Ext.	240/1	5.1	1010	410	185	15.0	
KF1380	1397	1470	3	380	Ext.	240/1	7.1	1245	474	217	15.0	
KF1650	1625	1710	3	350	Ext.	240/1	9.2	1245	474	217	18.0	

TX valve not fitted as standard

Notes:

- Medium temp nominal capacities rated at -4°C SST
- Low temp nominal capacities rated at -24°C SST
- Min. KTD for KC301 to KC550 is 5K at all SST due to refrigerant velocity considerations

To assist you in determining the most appropriate selection for your application, please refer to your local Realcold representative.

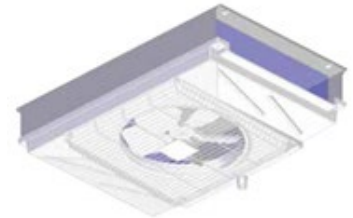
DUAL DISCHARGE

KIRBY DUAL DISCHARGE CABINET COOLER EVAPORATORS

For larger cabinet applications, the KCT range features twin air blowers for a consistent and even air flow around the inside of the cabinet.

Features and Benefits

- Compact, low profile design which gives more shelf space
- Fan motors which can be easily removed for servicing
- Removable, discreet drain tray which is easily removed for cleaning and service
- E-Kote coil protection for protection against the elements (medium temp units only)


CABINET COOLER - DUAL DISCHARGE

Stock No.	Model	Watts @ 6 KTD			Fan Qty.	Air Vol. (L/sec)	Req. TX Valve	Dimensions (mm)			Weight (Kg)	Price \$ Excl. GST
		R449A	R404A	R134a				W	D	H		
KCT400	KCT400	485	510	420	1	210	Int.	613	388	175	6.7	
KCT600	KCT600	694	730	550	1	210	Int.	613	388	175	7.9	
KCT800	KCT800	770	810	650	1	190	Int.	613	388	175	8.5	
KCT1000	KCT1000	1036	1090	820	1	210	Int.	613	388	205	15.0	
KCT1200	KCT1200	1292	1360	1070	1	230	Ext.	1000	468	205	15.0	
KCT1600	KCT1600	1691	1780	1340	1	280	Ext.	1000	468	205	18.0	

TX valve not fitted as standard

Notes:

- Medium temp nominal capacities rated at -4°C SST
- Max. KTD for KCT1200 and KCT1600 is 8K at all SST due to distributor limitations

KIRBY TA DUAL DISCHARGE EVAPORATORS


The dual discharge TA unit coolers are designed for installation in cold rooms, air locks, laboratories, meat cutting and packing rooms, etc.

Features and Benefits

- Low noise and Low profile ideal for prep rooms etc.
- Robust shock resistant white ABS casing
- Hinged drain pan allowing for an easy access to all the components
- Designed to accommodate installation of a condensate pump


DUAL DISCHARGE EVAPORATORS

Stock No.	Model	Watts @ 10 KTD			Fan Qty.	Air Throw (m)	Req. TX Valve	Dimensions (mm)			Weight (Kg)	Price \$ Excl. GST
		R449A	R404A	R134a				W	D	H		
TA1R6P-C	TA1R6P-C	3734	3930	3654	1	3.5	Ext.	866	800	361	22.0	
TA2R6P-C	TA2R6P-C	5786	6090	5664	2	3.5	Ext.	1366	800	361	28.3	
TA3R6P-C	TA3R6P-C	7087	7460	6938	2	3.5	Ext.	1366	800	361	31.0	
TA4R6P-C	TA4R6P-C	7657	8060	7496	2	3.5	Ext.	1366	800	361	33.6	
TA5R6P-C	TA5R6P-C	10697	11260	10472	3	3.5	Ext.	1866	800	379	37.4	
TA6R6P-C	TA6R6P-C	12550	13210	12285	3	3.2	Ext.	1866	800	379	45.7	
TA7R6P-C	TA7R6P-C	15504	16320	15178	4	3.7	Ext.	2366	800	379	60.9	

TX valve not fitted as standard

Notes:

- Nominal capacities rated at 0°C SST
- To assist you in determining the most appropriate selection for your application, please refer to your local Realcold representative.



KIRBY 9000 SERIES EVAPORATORS

The Kirby 9000 Series Evaporator has been specifically designed to overcome the usual limitations of a typical compact coil design. This low frost innovation uses a unique fin pattern to minimise latent load and maximise sensible load. Enhanced fin configuration means less moisture removal and vastly improved run times before ice formation.

Features and Benefits

- Simplified installation including factory wiring on all models for fans (excludes controls)
- Front opening access to electrical panel and separate panel for refrigeration components for ease of service
- High airflow ensures efficient pull down and air throw
- Powder coat white housing



MEDIUM TEMP - 300mm FAN

Stock No.	Model	Watts @ 6 KTD			Fan Qty.	Air Throw (m)	Req. TX Valve	Dimensions (mm)			Weight (Kg)	Price \$ Excl. GST
		R449A	R404A	R134a				W	D	H		
300mm Fan Diameter												
KMT013W	KMT013W	1254	1320	1148	1	7.2	Int.	750	470	430	9.4	
KMT016W	KMT016W	1539	1620	1409	1	6.9	Int.	750	470	430	10.3	
KMT020W	KMT020W	1910	2010	1749	1	6.5	Ext.	750	470	430	11.5	
KMT027W	KMT027W	2565	2700	2349	2	10.3	Ext.	1155	470	430	15.1	
KMT034W	KMT034W	3230	3400	2958	2	9.8	Ext.	1155	470	430	16.9	
KMT038W	KMT038W	3591	3780	3289	2	9.3	Ext.	1155	470	430	18.7	
KMT051W	KMT051W	4798	5050	4394	3	12.1	Ext.	1560	470	430	23.0	
KMT060W	KMT060W	5662	5960	5185	3	11.5	Ext.	1560	470	430	26.0	
KMT067W	KMT067W	6318	6650	6786	4	13.6	Ext.	1970	470	430	29.9	
KMT081W	KMT081W	7648	8050	7004	4	12.9	Ext.	1970	470	430	32.4	

TX valve not fitted as standard

MEDIUM TEMP - 350mm FAN

Stock No.	Model	Watts @ 6 KTD			Fan Qty.	Air Throw (m)	Req. TX Valve	Dimensions (mm)			Weight (Kg)	Price \$ Excl. GST
		R449A	R404A	R134a				W	D	H		
350mm Fan Diameter												
KMT023W	KMT023W	2204	2320	2018	1	8.8	Ext.	850	470	545	14.7	
KMT045W	KMT045W	4275	4500	3915	2	12.6	Ext.	1485	470	545	25.3	
KMT063W	KMT063W	5938	6250	5438	2	12.6	Ext.	1485	470	545	26.3	
KMT071W	KMT071W	6745	7100	6177	2	11.9	Ext.	1485	470	545	30.4	
KMT093W	KMT093W	8835	9300	8091	3	15.4	Ext.	2060	470	545	37.7	
KMT106W	KMT106W	10070	10600	9222	3	14.7	Ext.	2060	470	545	42.6	
KMT121W	KMT121W	11495	12100	10527	3	14.2	Ext.	2060	470	545	47.6	
KMT132W	KMT132W	12540	13200	11484	4	17.3	Ext.	2630	470	545	49.5	
KMT154W	KMT154W	14630	15400	13398	4	15.9	Ext.	2630	470	545	63.7	
KMT165W	KMT165W	15675	16500	14355	5	19.3	Ext.	3200	470	545	69.5	
KMT198W	KMT198W	18810	19800	17226	5	17.8	Ext.	3200	470	545	77.5	

TX valve not fitted as standard

Notes:

- Medium temp nominal capacities rated at -4°C SST

To assist you in determining the most appropriate selection for your application, please refer to your local Realcold representative.



KIRBY 9000 SERIES EVAPORATORS

Features and Benefits

- Simplified installation including factory wiring on all models for fans and heaters (excludes controls)
- Front opening access to electrical panel and separate panel for refrigeration components for ease of service
- Face heaters allow easy access for maintenance and replacement
- Powder coat white housing



LOW TEMP - 300mm FAN

Stock No.	Watts @ 6 KTD		Fan Qty.	Air Throw (m)	Req. TX Valve	Heater Defrost		Dimensions (mm)			Weight (Kg)	Price \$ Excl. GST
	R449A	R404A				Volts	Amps	W	D	H		
300mm Fan Diameter												
KLT013W	1216	1280	1	6.4	Int.	240/1	3.8	750	470	430	10.8	
KLT015W	1397	1470	1	6.0	Int.	240/1	3.8	750	470	430	11.8	
KLT024W	2280	2400	2	9.1	Ext.	240/1	7.5	1155	470	430	17.5	
KLT028W	2641	2780	2	8.6	Ext.	240/1	7.5	1155	470	430	19.4	
KLT030W	2850	3000	2	8.6	Ext.	240/1	7.5	1155	470	430	19.5	
KLT036W	3420	3600	3	11.2	Ext.	415/3	3.8	1560	470	430	24.4	
KLT042W	3943	4150	3	10.6	Ext.	415/3	3.8	1560	470	430	26.5	
KLT062W	5890	6200	4	11.9	Ext.	415/3	5.0	1970	470	430	34.6	

TX valve not fitted as standard

LOW TEMP - 350mm FAN

Stock No.	Watts @ 6 KTD		Fan Qty.	Air Throw (m)	Req. TX Valve	Heater Defrost		Dimensions (mm)			Weight (Kg)	Price \$ Excl. GST
	R449A	R404A				Volts	Amps	W	D	H		
350mm Fan Diameter												
KLT021W	1948	2050	1	8.1	Ext.	240/1	6.7	850	470	545	15.5	
KLT045W	4275	4500	2	11.6	Ext.	415/3	6.7	1485	470	545	27.0	
KLT050W	4703	4950	2	11.6	Ext.	415/3	6.7	1485	470	545	27.8	
KLT054W	5083	5350	2	11.0	Ext.	415/3	6.7	1485	470	545	31.2	
KLT067W	6318	6650	3	14.3	Ext.	415/3	10.0	2060	470	545	38.1	
KLT075W	7078	7450	3	14.3	Ext.	415/3	10.0	2060	470	545	38.9	
KLT089W	8455	8900	3	13.6	Ext.	415/3	10.0	2060	470	545	45.2	
KLT100W	9500	10000	4	15.2	Ext.	415/3	13.4	2630	470	545	59.0	
KLT113W	10735	11300	4	15.2	Ext.	415/3	13.4	2630	470	545	63.0	
KLT126W	11970	12600	5	17.9	Ext.	415/3	16.7	3200	470	545	69.6	
KLT136W	12920	13600	5	17.0	Ext.	415/3	16.7	3200	470	545	77.8	

TX valve not fitted as standard

Notes:

- Low temp nominal capacities rated at -24°C SST

To assist you in determining the most appropriate selection for your application, please refer to your local Realcold representative.



KIRBY HEAVY DUTY EVAPORATORS

Designed specifically for semi-industrial and large commercial applications where optimum cold air flow is paramount, the enhanced Kirby Heavy Duty Evaporator range delivers economical choice, ease of installation, quality, reliability and powerful performance

Features and Benefits

- Simplified installation including factory wiring on all models for fans and heaters (excludes controls)
- High airflow from robust fan assemblies ensures efficient pull down and air throw
- Positive electric defrost standard inclusion for all models (includes medium temp units)
- Reversible drain tray



KIRBY HEAVY DUTY EVAPORATORS - MEDIUM TEMP

Model	Watts @ 6 KTD			Fan Qty.	Air Throw (m)	Req. TX Valve	Dimensions (mm)			Weight (Kg)	Price \$ Excl. GST
	R449A	R404A	R134a				W	D	H		
500mm Fan Diameter											
KHDCE103	10650	11210	9482	1	20	Ext.	1265	490	890	90	
KHDCE136	13376	14080	12627	2	22	Ext.	2215	490	890	130	
KHDCE161	16407	17270	15030	2	22	Ext.	2215	490	890	140	
KHDCE188	19095	20100	17502	2	22	Ext.	2215	490	890	155	
KHDCE214	21888	23040	19944	2	22	Ext.	2215	490	890	165	
KHDCE263	28367	29860	25769	3	24	Ext.	3165	490	890	215	
KHDCE316	32566	34280	28867	3	24	Ext.	3165	490	890	240	
KHDCE366	36955	38900	34005	4	25	Ext.	3315	490	1015	285	
KHDCE430	41591	43780	37794	4	25	Ext.	3315	490	1015	305	
KHDCE538	51281	53980	46862	5	26	Ext.	4065	490	1015	370	

TX valve not fitted as standard

KIRBY HEAVY DUTY EVAPORATORS - LOW TEMP

Model	Watts @ 6 KTD		Fan Qty.	Air Throw (m)	Req. TX Valve	Heater Defrost		Dimensions (mm)			Weight (Kg)	Price \$ Excl. GST
	R449A	R404A				Volts	Amps	W	D	H		
500mm Fan Diameter												
KHDFE086	8702	9160	1	18	Ext.	415/3	8.5	1265	490	890	90	
KHDFE088	9491	9990	2	20	Ext.	415/3	14.6	2215	490	890	130	
KHDFE117	12664	13330	2	20	Ext.	415/3	14.6	2215	490	890	140	
KHDFE151	15295	16100	2	20	Ext.	415/3	14.6	2215	490	890	155	
KHDFE173	17423	18340	2	20	Ext.	415/3	14.6	2215	490	890	165	
KHDFE212	22259	23430	3	22	Ext.	415/3	23.3	3165	490	890	215	
KHDFE252	25422	26760	3	22	Ext.	415/3	23.3	3165	490	890	240	
KHDFE286	27930	29400	4	23	Ext.	415/3	28.2	3315	490	1015	285	
KHDFE320	32139	33830	4	23	Ext.	415/3	28.2	3315	490	1015	305	
KHDFE380	36604	38530	5	24	Ext.	415/3	33.6	4065	490	1015	370	

TX valve not fitted as standard

Notes:

- Medium temp nominal capacities rated at -4°C SST
- Low temp nominal capacities rated at -24°C SST

To assist you in determining the most appropriate selection for your application, please refer to your local Realcold representative.


KIRBY EVAPORATOR "KMT" MED TEMP 300mm FAN - SPARE PARTS

Stock No.	Model	Description	KMT013	KMT016	KMT020	KMT027	KMT034	KMT038	KMT051	KMT060	KMT067	KMT081	Price \$ Excl. GST
Panels													
KPP930225	MUA3000-2	Access Panel - Refrig End	1	1	1	1	1	1	1	1	1	1	
KPP93011	MUA2995-2	Drain Pan 1 Fan	1	1	1								
KPP93012	MUA2996-2	Drain Pan 2 Fan				1	1	1					
KPP93013	MUA2997-2	Drain Pan 3 Fan							1	1			
KPP93014	MUA2998-2	Drain Pan 4 Fan									1	1	
Sundries													
KP17721	MR1772-1	Drain Spout Assembly	1	1	1	1	1	1	1	1	1	1	

KIRBY EVAPORATOR "KMT" MED TEMP 350mm FAN - SPARE PARTS

Stock No.	Model	Description	KMT023	KMT045	KMT063	KMT071	KMT093	KMT106	KMT121	KMT132	KMT154	KMT165	KMT198	Price \$ Excl. GST
Panels														
KPP935224	MUA3024-3A	Access Panel - Refrig End	1	1	1	1	1	1	1	1	1	1	1	
KPP93511	MUA3036-2	Drain Pan 1 Fan	1											
KPP93512	MUA3036-5	Drain Pan 2 Fan		1	1	1								
KPP93513	MUA3036-8	Drain Pan 3 Fan					1	1	1					
KPP93514	MUA3036-11	Drain Pan 4 Fan								1	1			
KPP93515	MUA3036-14	Drain Pan 5 Fan										1	1	
Sundries														
KP17721	MR1772-1	Drain Spout Assembly	1	1	1	1	1	1	1	1	1	1	1	


KIRBY EVAPORATOR "KLT" LOW TEMP 300mm FAN - SPARE PARTS

Stock No.	Model	Description	KLT013	KLT015	KLT024	KLT028	KLT030	KLT036	KLT042	KMT062	Price \$ Excl. GST
Panels											
KPP930225	MUA3000-2	Access Panel - Refrig End	1	1	1	1	1	1	1	1	
KPP93011	MUA2995-2	Drain Pan 1 Fan	1	1							
KPP93012	MUA2996-2	Drain Pan 2 Fan			1	1	1				
KPP93013	MUA2997-2	Drain Pan 3 Fan						1	1		
KPP93014	MUA2998-2	Drain Pan 4 Fan								1	
Electrical											
KPE90103	MCC126-1	Defrost Heater Termination Thermostat	1	1	1	1	1	1	1	1	
KPE90104	MCC143-1	Fan Delay Thermostat	1	1	1	1	1	1	1	1	
KPE912051	ME1205-1	Coil Heater Element - 240V, 300 watt	2	2							
KPE912061	ME1206-1	Drain Heater Element - 240V, 300 watt	1	1							
KPE912052	ME1205-2	Coil Heater Element - 240V, 600 watt			2	2	2				
KPE912062	ME1206-2	Drain Heater Element - 240V, 600 watt			1	1	1				
KPE912053	ME1205-3	Coil Heater Element - 240V, 900 watt						2	2		
KPE912063	ME1206-3	Drain Heater Element - 240V, 900 watt						1	1		
KPE912054	ME1205-4	Coil Heater Element - 240V, 900 watt								3	
KPE912064	ME1206-4	Drain Heater Element - 240V, 900 watt								1	
KPE96001	ME1211-1	Element Heater Clip Coil Face	4	4	6	6	6	8	8	8	
KPE96011	ME1211-3	Element Heater Clip Drain Tray				3	3	3	3	3	
KPE96031	ME1211-5	Drain Tray Heater Hanger				1	1	1	1	1	
KPE96021	ME1211-4	Element Heater Clip Drain Tray	2	2	3			3	3	3	
Sundries											
KP17721	MR1772-1	Drain Spout Assembly	1	1	1	1	1	1	1	1	


KIRBY EVAPORATOR "KLT" LOW TEMP 350mm FAN - SPARE PARTS

Stock No.	Model	Description	KLT021	KLT045	KLT050	KLT054	KLT067	KLT075	KLT089	KLT110	KLT113	KLT126	KMT136	Price \$ Excl. GST
Panels														
KPP935224	MUA3024-3A	Access Panel - Refrig End	1	1	1	1	1	1	1	1	1	1	1	
KPP93511	MUA3036-2	Drain Pan 1 Fan	1											
KPP93512	MUA3036-5	Drain Pan 2 Fan		1	1	1								
KPP93513	MUA3036-8	Drain Pan 3 Fan					1	1	1					
KPP93514	MUA3036-11	Drain Pan 4 Fan								1	1	1		
KPP93515	MUA3036-14	Drain Pan 5 Fan											1	
Electrical														
KPE90103	MCC126-1	Defrost Heater Termination Thermostat	1	1	1	1	1	1	1	1	1	1	1	
KPE90104	MCC143-1	Fan Delay Thermostat	1	1	1	1	1	1	1	1	1	1	1	
KPE9120511	ME1205-11	Coil Heater Element - 240V, 400 watt	3											
KPE9120610	ME1206-10	Drain Heater Element - 240V, 400 watt	1											
KPE912057	ME1205-7	Coil Heater Element - 240V, 800 watt		3	3	3								
KPE9120611	ME1206-11	Drain Heater Element - 240V, 800 watt		1	1	1								
KPE912058	ME1205-8	Coil Heater Element - 240V, 1200 watt					3	3	3					
KPE912067	ME1206-7	Drain Heater Element - 240V, 1200 watt					1	1	1					
KPE912059	ME1205-9	Coil Heater Element - 240V, 1600 watt								3	3			
KPE912068	ME1206-8	Drain Heater Element - 240V, 1600 watt								1	1			
KPE9120510	ME1205-10	Coil Heater Element - 240V, 1600 watt										3	3	
KPE912069	ME1206-9	Drain Heater Element - 240V, 1600 watt										1	1	
KPE96001	ME1211-1	Element Heater Clip Coil Face	6	9	9	9	12	12	12	15	15	18	18	
KPE96011	ME1211-3	Element Heater Clip Drain Tray	3	3	4	4	4	4	4	4	4	4	4	
KPE96031	ME1211-5	Drain Tray Heater Hanger			1	1	1	1	1	1	1	1	1	
KPE96021	ME1211-4	Element Heater Clip Drain Tray	2	3	3	3	4	4	4	4	4	5	5	
Sundries														
KP17721	MR1772-1	Drain Spout Assembly	1	1	1	1	1	1	1	1	1	1	1	



CO₂ EVAPORATORS

Features and Benefits

- Natural refrigerant - environmentally safe and non-toxic
- Internal ripple finned tube for higher heat transfer performance
- No condensation formation with thermally-decoupled tray
- Max operating pressure up to 80 bar (CX-units)



R744 (CO₂) EVAPORATORS - MEDIUM TEMP

Conditions: Evap Temp: -4°C, Air Temp: 2°C, Cond Temp: 6°C, SC: 1K, SH: 5K

Stock No.	Model	Capacity (kW)	No. Fans	Fan Dia. (mm)	Defrost Type	Length (mm)	Width (mm)	Height (mm)	Price \$ Excl. GST
GACC - Cubic Range									
BGC016M	GACC CX 031.1_1-40.A	1.62	1	310	Air	752	430	455	
BGC019M	GACC CX 031.1_1-40.A	1.98	1	310	Air	752	430	455	
BGC025M	GACC CX 031.1_1-40.A	2.50	1	310	Air	752	430	455	
BGC034M	GACC CX 031.1_2-40.A	3.40	2	310	Air	1212	430	455	
BGC051M	GACC CX 031.1_2-60.A	5.10	2	310	Air	1212	430	455	
BGC076M	GACC CX 031.1_3-40.A	7.60	3	310	Air	1672	430	455	
GASC - Slimline									
BGS014M	GASC CX 031.1_1-60.A	1.43	1	310	Air	964	580	337	
BGS017M	GASC CX 031.1_1-60.A	1.77	1	310	Air	964	580	337	
BGS029M	GASC CX 031.1_2-60.A	2.90	2	310	Air	1644	580	337	
BGS050M	GASC CX 031.1_3-40.A	5.00	3	310	Air	2324	580	337	
BGS071M	GASC CX 031.1_3-60.A	7.10	3	310	Air	2324	580	337	

R744 (CO₂) EVAPORATORS - LOW TEMP

Conditions: Evap temp: -24°C, Air Temp: -18°C, Cond Temp: 2°C, SC: 1K, SH: 5K

Stock No.	Model	Capacity (kW)	No. Fans	Fan Dia. (mm)	Defrost Type	Length (mm)	Width (mm)	Height (mm)	Price \$ Excl. GST
GACC - Cubic Range									
BGC014L	GACC CX 031.1_1-60.E	1.44	1	310	Electric	752	430	455	
BGC019L	GACC CX 031.1_1-60.E	1.91	1	310	Electric	752	430	455	
BGC030L	GACC CX 031.1_2-60.E	3.00	1	310	Electric	1212	430	455	
BGC037L	GACC CX 040.1_1-60.E	3.70	1	400	Electric	1006	560	565	
GASC - Slimline									
BGS012L	GASC CX 031.1_1-60.E	1.26	1	310	Electric	964	580	337	
BGS014L	GASC CX 031.1_1-40.E	1.47	1	310	Electric	964	580	337	
BGS020L	GASC CX 031.1_1-60.E	2.00	1	310	Electric	964	580	337	
BGS043L	GASC CX 013.1_2-40.E	4.30	2	310	Electric	1644	580	337	
BGS065L	GASC CX 031.1_3-40.E	6.50	3	310	Electric	2324	580	337	

- Please refer to **Page 193** for electronic expansion valves

BLUEMAY MOUNTING KITS

BLUEMAY NYLON EVAPORATOR MOUNTING KITS

Stock No.	Model	Contains	Rec. Max. Safe Working Load	Price \$ Excl. GST
Bluemay Kits				
J3210	Bluemay Chiller 4 Bolt Kit Bolt - 10 mm diameter and 150 mm length	4 x J3180 bolt 4 x J3040 nut 4 x J3060 washer faced nut 4 x J3130 washer	320 Kg	
J3212	Bluemay Freezer Kit 4 Bolt Kit Bolt - 10 mm diameter and 250 mm length	4 x J3182 bolt 4 x J3040 nut 4 x J3060 washer faced nut 4 x J3130 washer	320 Kg	
J3211	Bluemay Chiller 6 Bolt Kit Bolt - 10 mm diameter and 150 mm length	6 x J3180 bolt 6 x J3040 nut 6 x J3060 washer faced nut 6 x J3130 washer	480 Kg	
J3213	Bluemay Freezer 6 Bolt Kit Bolt - 10 mm diameter and 250 mm length	6 x J3182 bolt 6 x J3040 nut 6 x J3060 washer faced nut 6 x J3130 washer	480 Kg	


Capital Plant
Notes:

- Not recommended for below -30°C. Refer to technical data for temperature limitations.
- Care should be taken not to over-tighten nuts when used with thermoplastic threaded rod.
- Nuts should be tightened by hand and given half a turn with a spanner.
- The use of steel or brass nuts with Thermoplastic rod is not recommended.



KIRBY NULLARBOR HERMETIC CONDENSING UNITS

Developed for harsh conditions, the Kirby Nullarbor condensing units are rated for operation up to 45°C ambient. With enhanced performance due to the inclusion of larger condensers, the Nullarbor range delivers higher output and greater efficiency.

Features and Benefits

- Durable painted galvabond bases maximise service life
- Compact footprint for ease of installation
- Models with N suffix include liquid line drier, sight glass and HP/LP control.



R513A / R134a - MEDIUM TEMP

Stock No.	Model	Disp. (cc)	Amb (°C)	Capacity (Watts)				RLA (A)	Receiver Volume (L)	Nom. HP	Price \$ Excl. GST
				R513A		R134a					
				-5°C	+5°C	-5°C	+5°C				
220-240/1/50 - Single Phase											
CK2210	BA9MHYB1	8.9	32	507	821	483	782	2.6	1.4	1/4	
			40	462	746	440	710				
CK2211	BA12LMYB1	12.1	32	695	1079	662	1028	2.9	1.4	1/3	
			40	630	982	600	935				
CK2212	BA14LMYB1	14.1	32	793	1252	755	1192	4.0	1.4	1/3	
			40	719	1134	685	1080				
CK2213	BA16LMYB1	16.2	32	1126	1758	1072	1674	3.0	1.4	3/8	
			40	1019	1607	970	1530				
CK2214	BA18LZB1	18.0	32	1241	1911	1182	1820	3.5	2.4	1/2	
			40	1124	1743	1070	1660				
CK2215	WJ22LZB1N	21.5	32	1464	2329	1394	2218	4.1	2.4	3/4	
			40	1323	2121	1260	2020				
CK2216	WJ26LZB1N	26.8	32	1775	2768	1690	2636	4.6	2.4	7/8	
			40	1607	2520	1530	2400				
CK2217	WJ31LZB1N	30.5	32	2050	3131	1952	2982	5.5	2.4	1.0	
			40	1859	2856	1770	2720				
CK2218	AW43LMYB1N	43.1	32	2911	4652	2772	4430	5.8	4.4	1-1/4	
			40	2636	4242	2510	4040				
CK2219	AW48MHYB3N	48.1	32	3165	5038	3014	4798	8.2	4.4	1-1/2	
			40	2867	4578	2730	4360				

Rating Conditions: ASHRAE-T Standard

Note: The suffix N denotes that the unit includes liquid line drier, sight glass and HP/LP control


KIRBY NULLARBOR HERMETIC CONDENSING UNITS
R449A / R404A - MEDIUM TEMP

Stock No.	Model	Disp. (cc)	Amb (°C)	Capacity (Watts)				RLA (A)	Receiver Volume (L)	Nom. HP	Price \$ Excl. GST
				R449A		R404A					
				-5°C	+5°C	-5°C	+5°C				
220-240/1/50 - Single Phase											
CK2231	BA6MHGB1	5.5	32	397	563	446	633	2.8	1.4	1/4	
			40	347	490	390	550				
CK2221	BA8MGB1	7.6	32	592	778	665	874	2.8	1.4	1/4	
			40	521	685	585	770				
CK2232	BA9MGB1	8.9	32	706	965	793	1084	3.2	1.4	1/3	
			40	614	841	690	945				
CK2233	BA12MGB1	12.1	32	913	1242	1026	1396	2.8	1.4	3/8	
			40	783	1077	880	1210				
CK2234	BA14MGB1	14.1	32	1077	1463	1210	1644	3.4	1.4	1/2	
			40	926	1273	1040	1430				
CK2235	BA16MGB1	16.2	32	1337	1846	1502	2074	3.0	2.4	3/4	
			40	1157	1611	1300	1810				
CK2236	BA18MGB1	18.0	32	1638	2207	1840	2480	4.4	2.4	3/4	
			40	1415	1914	1590	2150				
CK2237	WJ22MHGB1N	21.5	32	2017	2775	2266	3118	5.6	2.4	7/8	
			40	1744	2403	1960	2700				
CK2238	WJ26MHGB1N	26.8	32	2417	3339	2716	3752	7.0	2.4	1.0	
			40	2127	2875	2390	3230				
CK2240	WJ31MHGB1N	30.5	32	3124	4341	3510	4878	7.9	2.4	1-1/4	
			40	2715	3756	3050	4220				
CK2239	AW38MGB1N	37.5	32	3078	4210	3458	4730	7.9	4.4	1-1/2	
			40	2652	3649	2980	4100				
CK2241	AW43MHGB1N	43.1	32	3786	5283	4254	5936	9.6	4.4	2.0	
			40	3257	4646	3660	5220				
CK2242	AW48MHGB1N	48.4	32	4133	5936	4644	6670	11.2	4.4	2-1/4	
			40	3569	5215	4010	5860				
CK2243	AW54MHGB3N	53.5	32	4418	6152	4964	6912	12.5	4.4	2-1/2	
			40	3809	-	4280	-				

Rating Conditions: ASHRAE-T Standard

Note: The suffix N denotes that the unit includes liquid line drier, sight glass and HP/LP control

Capital Plant


KIRBY NULLARBOR HERMETIC CONDENSING UNITS
R449A / R404A - LOW TEMP

Stock No.	Model	Disp. (cc)	Amb. (°C)	Capacity (Watts)				RLA (A)	Receiver Volume (L)	Nom. HP	Price \$ Excl. GST
				R449A		R404A					
				-25°C	-20°C	-25°C	-20°C				
220-240/1/50 - Single Phase											
CK2221	BA8MGB1	7.6	32	296	361	333	406	2.6	1.4	1/4	
			40	254	316	285	355				
CK2211	BA12LMYB1	12.1	32	429	521	482	585	2.8	1.4	1/3	
			40	369	454	415	510				
CK2212	BA14LMYB1	14.1	32	512	624	575	701	4.0	1.4	1/3+	
			40	441	543	495	610				
CK2213	BA16LMYB1	16.2	32	579	707	651	794	2.8	1.4	3/8	
			40	503	619	565	695				
CK2214	BA18LZB1	18.0	32	764	947	858	1064	3.5	2.4	1/2	
			40	663	828	745	930				
CK2215	WJ22LZB1N	21.5	32	828	1038	930	1166	3.3	2.4	3/4	
			40	690	877	775	985				
CK2216	WJ26LZB1N	26.8	32	1029	1298	1156	1458	4.8	2.4	7/8	
			40	877	1113	985	1250				
CK2217	WJ31LZB1N	30.5	32	1264	1568	1420	1762	5.5	2.4	1.0	
			40	1059	1335	1190	1500				
CK2218	AW43LMYB1N	43.1	32	1752	2159	1968	2426	5.8	4.4	1-1/4	
			40	1513	1887	1700	2120				
CK2222	AW54LZB1N	53.5	32	2052	2572	2306	2890	7.8	4.4	1-1/2	
			40	1780	2243	2000	2520				

Rating Conditions: ASHRAE-T Standard

Note: The suffix N denotes that the unit includes liquid line drier, sight glass and HP/LP control


NULLARBOR TECHNICAL DATA

Stock No.	Cond. Unit Model	Compressor Model	Volts Phase	Fan Motor		Connections		Dimensions (mm)			Weight (Kg)
				Qty.	Motor Dia.	Suction	Liquid	W	D	H	
R134a Medium Temperature											
CK2210	BA9MHYB1	BA9MHY	240 V 1	1	230	3/8	1/4	330	470	280	
CK2211	BA12LMYB1	BA12LMY		1	230	3/8	1/4	330	470	280	
CK2212	BA14LMYB1	BA14LMY		1	230	3/8	1/4	330	470	280	
CK2213	BA16LMYB1	BA16LMY		1	300	3/8	1/4	435	500	338	
CK2214	BA18LZB1	BA18LZ		1	300	3/8	3/8	435	550	338	
CK2215	WJ22LZB1N	WJ22LZ		1	300	1/2	3/8	435	550	338	
CK2216	WJ26LZB1N	WJ26LZ		1	300	1/2	3/8	435	550	338	
CK2217	WJ31LZB1N	WJ31LZ		1	300	5/8	3/8	520	620	395	
CK2218	AW43LMYB1N	AW43LZ		2	300	5/8	3/8	520	620	446	
CK2219	AW48MHYB3N	AW48MHY		2	300	5/8	3/8	860	550	418	
R404A Medium Temperature											
CK2231	BA6MHGB1	BA6MHG	240 V 1	1	200	3/8	1/4	330	470	276	
CK2221	BA8MGB1	BA8MG		1	200	3/8	1/4	330	470	276	
CK2232	BA9MGB1	BA9MG		1	230	3/8	1/4	330	470	276	
CK2233	BA12MGB1	BA12MG		1	300	3/8	1/4	330	470	276	
CK2234	BA14MGB1	BA14MG		1	300	3/8	1/4	435	500	338	
CK2235	BA16MGB1	BA16MG		1	300	3/8	1/4	435	500	338	
CK2236	BA18MGB1	BA18MG		1	300	3/8	3/8	520	620	395	
CK2237	WJ22MHGB1N	WJ22MHG		1	300	1/2	3/8	520	620	395	
CK2238	WJ26MHGB1N	WJ26MHG		1	300	1/2	3/8	520	620	446	
CK2240	WJ31MHGB1N	WJ31MHG		1	350	5/8	3/8	520	620	446	
CK2239	AW38MGB1N	AW38MG		2	300	5/8	3/8	860	550	418	
CK2241	AW43MHGB1N	AW43MHG		2	300	5/8	3/8	860	550	421	
CK2242	AW48MHGB1N	AW48MHG		2	300	5/8	3/8	860	550	421	
CK2243	AW54MHGB3N	AW54MHG		2	300	5/8	3/8	860	550	421	


NULLARBOR TECHNICAL DATA

Stock No.	Cond. Unit Model	Compressor Model	Volts Phase	Fan Motor		Connections		Dimensions (mm)			Weight (Kg)
				Qty.	Motor Dia.	Suction	Liquid	W	D	H	
R404A Low Temperature											
CK2221	BA8MGB1	BA8MG	240 V 1	1	200	3/8	1/4	330	470	276	
CK2211	BA12LMYB1	BA12LMY		1	230	3/8	1/4	330	470	280	
CK2212	BA14LMYB1	BA14LMY		1	230	3/8	1/4	330	470	280	
CK2213	BA16LMYB1	BA16LMY		1	300	3/8	1/4	435	500	338	
CK2214	BA18LZB1	BA18LZ		1	300	3/8	3/8	435	550	338	
CK2215	WJ22LZB1N	WJ22LZ		1	300	1/2	3/8	435	550	338	
CK2216	WJ26LZB1N	WJ26LZ		1	300	1/2	3/8	435	550	338	
CK2217	WJ31LZB1N	WJ31LZ		1	300	5/8	3/8	520	620	395	
CK2218	AW43LMYB1N	AW43LZ		2	300	5/8	3/8	520	620	446	
CK2222	AW54LZB1N	AW54LZ		2	300	5/8	3/8	860	550	421	



EASYPACK HERMETIC CONDENSING UNITS

The Easypack series of hermetic refrigeration condensing units provide a high quality professional solution for all commercial refrigeration applications. Common applications include cabinets, cool rooms, freezers, convenience stores, restaurants, pubs and clubs, food processing and many more.

Features and Benefits

- Reliability proven Tecumseh hermetic compressor
- Easy and cost effective installation
- Easy access to all serviceable components



R513A / R134A - MEDIUM TEMP

Stock No.	Model	Compressor	Disp. (cc)	Amb. (°C)	Capacity (Watts)				RLA (A)	Receiver Volume (L)	Nom. HP	Price \$ Excl. GST
					R513A		R134a					
					-5°C	+5°C	-5°C	+5°C				
220-240/1/50 - Single Phase												
C0810	RMTY100	CAJ4511Y	32.7	32	2175	3052	2071	2992	8.8	2.3	1.0	
				40	1937	2727	1845	2674				
C0811	RMTY150	FH4518Y	53.2	32	3065	4553	2919	4464	11.8	2.3	1-1/2	
				40	2636	4011	2510	3932				
C0812	RMTY200	FH4525Y	74.3	32	4250	6012	4048	5894	15.8	2.3	2.0	
				40	3683	5315	3508	5211				
380-420/3/50 - Three Phase												
C0813	RMTYX230	TAG4528Y	90.2	32	4287	6507	4083	6379	11.1	2.3	2.5	
				40	3734	5763	3556	5650				
C0814	RMTYX300	TAG4537Y	112.5	32	5924	8501	5642	8334	11.1	2.3	3.0	
				40	5108	7441	4865	7295				
C0815	RMTYX390	TAG4547Y	134.8	32	7249	10185	6904	9985	11.6	3.9	4.0	
				40	6293	8962	5993	8786				

Rating Conditions: EN13215 at stated ambient, 20°C return gas temp & 3K Subcooling.

Notes:

- Models RMTY100 to RMTY200 include HP/LP control, liquid line drier, sight glass, solenoid valve, crankcase heater and pressure relief valve fitted.
- Models RMTYX230 to RMTYX390 include HP/LP control, liquid line drier, sight glass, solenoid valve, suction accumulator, crankcase heater and pressure relief valve fitted.


EASYPACK HERMETIC CONDENSING UNITS
R449A / R404A - MEDIUM TEMP

Stock No.	Model	Compressor	Disp. (cc)	Amb. (°C)	Capacity (Watts)				RLA (A)	Receiver Volume (L)	Nom. HP	Price \$ Excl. GST
					R449A		R404A					
					-5°C	+5°C	-5°C	+5°C				
220-240/1/50 - Single Phase												
C0757E	RMTZ112	CAJ9513Z	24.2	32	1960	2797	2186	2845	11.5	2.3	1-1/8	
				40	1724	-	1888	-				
C0759E	RMTZ150	CAJ4519Z	34.5	32	3073	4395	3448	4545	16	2.3	1-1/2	
				40	2736	-	3015	3985				
C0762E	RMTZ200	FH4524Z	43.5	32	3750	5546	4256	5815	20.7	2.3	2.0	
				40	3258	4934	3641	5048				
C0764E	RMTZ250	FH4531Z	56.6	32	4857	7032	5492	7307	23.5	3.9	2-1/2	
				40	4188	-	4653	6325				
380-420/3/50 - Three Phase												
C0964E	RMTXZ300	TFH4540Z	74.2	32	6153	8876	6942	9247	10.3	6.0	3.0	
				40	5420	7947	6005	8050				
C0968E	RMTXZ450	TAG4553Z	100.7	32	8193	12351	9310	13001	16.3	6.0	4-1/2	
				40	6904	10500	7845	11053				
C0971E	RMTXZ500	TAG4561Z	112.5	32	9090	13487	10381	14278	17.6	6.0	5.0	
				40	7854	11848	8836	12229				
C0973E	RMTXZ600	TAG4573Z	134.8	32	11466	16660	13029	17537	21.3	9.0	6-1/2	
				40	10006	14614	11371	15383				

Rating Conditions: EN13215 at stated ambient, 20°C return gas temp & 3K Subcooling.

Notes:

- Models RMTZ112 to RMTZ450 include HP/LP control, liquid line drier, sight glass, solenoid valve, crankcase heater and pressure relief valve fitted.
- Models RMTXZ500 & RMTXZ600 include HP/LP control, liquid line drier, sight glass, solenoid valve, suction accumulator, crankcase heater and pressure relief valve fitted.


EASYPACK HERMETIC CONDENSING UNITS
R449A / R404A - LOW TEMP

Stock No.	Model	Compressor	Disp. (cc)	Amb. (°C)	Capacity (Watts)				RLA (A)	Receiver Volume (L)	Nom. HP	Price \$ Excl. GST
					R449A		R404A					
					-25°C	-20°C	-25°C	-20°C				
220-240/1/50 - Single Phase												
C0787E	RLTZ150	CAJ2464Z	34.5	32	1259	1522	1415	1710	10.2	2.3	1-1/2	
				40	1080	1310	1214	1472				
C0789E	RLTZ200	FH2480Z	53.2	32	2063	2546	2318	2861	16.5	2.3	2.0	
				40	1769	2208	1988	2481				
380-420/3/50 - Three Phase												
C0793E	RLTZ300	TFH2511Z	74.2	32	2522	3095	2834	3477	7.8	3.9	3.0	
				40	2166	2678	2434	3009				
C0794E	RLTZ400	TAG2516Z	112.5	32	3920	4946	4405	5557	10.2	6.0	4.0	
				40	3372	4253	3788	4779				
C0795E	RLTZ500	TAG2522Z	134.8	32	4681	5796	5259	6512	14.2	9.0	5.0	
				40	4025	4984	4523	5600				

Rating Conditions: EN13215 at stated ambient, 20°C return gas temp & 3K Subcooling.

Notes:

- Models RLTZ150 to RLTZ500 include HP/LP control, liquid line drier, sight glass, solenoid valve, suction accumulator, oil separator, crankcase heater and pressure relief valve fitted.


EASYPACK TECHNICAL DATA

Stock No.	Cond. Unit Model	Compressor Model	Volts Phase	Fan Motor		Connections		Dimensions (mm)			Weight (Kg)
				Qty.	Motor Dia.	Suction	Liquid	W	D	H	
R134a Medium Temperature											
C0810	RMTY100	CAJ4511Y	240V 1	1	350	5/8	3/8	550	640	500	40
C0811	RMTY150	FH4518Y		1	350	5/8	3/8	550	640	500	51
C0812	RMTY200	FH4525Y		1	400	5/8	3/8	800	700	820	95
C0813	RMTYX230	TAG4528Y	400V 3	2	400	5/8	3/8	1140	720	810	115
C0814	RMTYX300	TAG4537Y		2	400	7/8	3/8	1140	720	810	128
C0815	RMTYX390	TAG4547Y		2	400	7/8	3/8	1140	720	810	133
R404A Medium Temperature											
C0757E	RMTZ112	CAJ9513Z	240V 1	1	350	5/8	3/8	550	650	465	47
C0759E	RMTZ150	CAJ4519Z		1	400	5/8	3/8	600	600	560	60
C0762E	RMTZ200	FH4524Z		1	400	5/8	3/8	600	600	560	73
C0764E	RMTZ250	FH4531Z		1	400	7/8	3/8	600	600	560	76
C0964E	RMTXZ300	TFH4540Z	400V 3	1	400	7/8	1/2	600	600	560	80
C0968E	RMTXZ450	TAG4553Z		2	400	7/8	1/2	1080	680	565	118
C0971E	RMTXZ500	TAG4561Z		2	400	1-1/8	1/2	1080	680	565	118
C0973E	RMTXZ600	TAG4573Z		2	400	1-1/8	1/2	1080	680	565	135
R404A Low Temperature											
C0787E	RLTZ150	CAJ2464Z	240V 1	1	350	5/8	3/8	550	650	395	40
C0789E	RLTZ200	FH2480Z		1	400	5/8	3/8	600	600	560	73
C0793E	RLTZ300	TFH2511Z	400V 3	1	400	5/8	3/8	600	600	560	80
C0794E	RLTZ400	TAG2516Z		2	400	7/8	3/8	1080	680	565	107
C0795E	RLTZ500	TAG2522Z		2	400	7/8	1/2	1080	680	565	107



KIRBY POLARPACK HERMETIC CONDENSING UNITS

Kirby's outdoor condensing units have always been renowned for their durability and clever design. The Polar Pack is no exception. Being a fully enclosed system, it can be installed indoors or outside. Compact and robust, the Polar Pack Series III commercial refrigeration unit is specially designed for harsh ambient conditions. Pre-wired and constructed around a small base, Polar Pack is easy to install. And because it's from Kirby, Polar Pack is tough and reliable.

Features and Benefits

- Easy servicing
- Fast installation
- Fully pre-wired
- Coil protection as standard



R513A / R134a - MEDIUM TEMP

Stock No.	Model	Disp. (cc)	Amb. (°C)	Capacity (Watts)				Fan Qty.	RLA (A)	Receiver Volume (L)	Nom. HP	Price \$ Excl. GST
				R513A		R134a						
				-5°C	+5°C	-5°C	+5°C					
220-240/1/50 - Single Phase												
CK4222	PPH062MA1-1	60.5	32	4461	6581	4249	6268	2	14.4	8.2	3.0	
			40	4016	5943	3825	5660					
380-420/3/50 - Three Phase												
CK4224	PPH068MA1-2	67.9	32	4880	6886	4648	6558	2	6.5/PH	8.2	3-1/4	
			40	4452	6290	4240	5990					
CK4225	PPH075MA1-2	76.2	32	5145	7658	4900	7293	2	6.9/PH	8.2	3-3/4	
			40	4394	6725	4185	6405					
CK4226	PPH089MA1-2	85.6	32	6095	8992	5805	8564	2	7.9/PH	8.2	4-1/4	
			40	5303	7964	5050	7585					
CK4227	PPH100MA1-2	96.1	32	6632	10029	6316	9551	2	9.2/PH	8.2	4-3/4	
			40	5864	8920	5585	8495					
CK4228	PPH113MA1-2	107.7	32	7713	11244	7346	10709	2	8.8/PH	8.2	5-1/2	
			40	6778	9965	6455	9490					

Rating Conditions: ASHRAE-T Standard

Notes:

1. Units are configured for vertical airflow
2. Units are fully pre-wired and include, fitted crankcase heater, oil separator, liquid receiver, liquid line drier & sight glass, HP/LP control, fan speed control and Koil Kote condenser protection


KIRBY POLARPACK HERMETIC CONDENSING UNITS
R449A / R404A - MEDIUM TEMP

Stock No.	Model	Disp. (cc)	Amb. (°C)	Capacity (Watts)				Fan Qty.	RLA (A)	Receiver Volume (L)	Nom. HP	Price \$ Excl. GST
				R449A		R404A						
				-5°C	+5°C	-5°C	+5°C					
220-240/1/50 - Single Phase												
CK4214	PPH027MA1-1	26.8	32	2406	3192	2703	3586	1	6.7	2.4	1-1/4	
			40	2109	2795	2370	3140					
CK4215	PPH030MA1-1	30.5	32	2912	3972	3272	4463	1	6.5	2.4	1-1/2	
			40	2537	3444	2850	3870					
CK4216	PPH040MA1-1	43.1	32	3588	4971	4032	5585	1	9.6	4.4	2.0	
			40	3062	4259	3440	4785					
CK4218	PPH046MA1-1	48.4	32	4196	5982	4715	6721	1	11.6	4.4	2-1/4	
			40	3702	5255	4160	5905					
CK4220	PPH052MA1-2	53.5	32	4613	6516	5183	7321	1	12.9	4.4	2-1/2	
			40	4072	5687	4575	6390					
CK4222	PPH062MA1-1	60.5	32	5541	7550	6226	8483	2	14.4	8.2	3.0	
			40	4739	6439	5325	7235					
380-420/3/50 - Three Phase												
CK4224	PPH068MA1-2	67.9	32	6042	8097	6789	9098	2	6.5/PH	8.2	3-1/4	
			40	5202	6911	5845	7765					
CK4225	PPH075MA1-2	76.2	32	6761	9244	7597	10387	2	6.9/PH	8.2	3-3/4	
			40	5843	7939	6565	8920					
CK4226	PPH089MA1-2	85.6	32	7771	10489	8731	11785	2	7.9/PH	8.2	4-1/4	
			40	6688	8993	7515	10105					
CK4227	PPH100MA1-2	96.1	32	8550	11744	9607	13196	2	9.2/PH	8.2	4-3/4	
			40	7383	10093	8295	11340					
CK4228	PPH113MA1-2	107.7	32	9809	13288	11021	14930	2	8.8/PH	8.2	5-1/2	
			40	8442	11330	9485	12730					

Rating Conditions: ASHRAE-T Standard

Notes:

- Units are configured for vertical airflow
- Units are fully pre-wired and include, fitted crankcase heater, oil separator, liquid receiver, liquid line drier & sight glass, HP/LP control, fan speed control and Koil Kote condenser protection


KIRBY POLARPACK HERMETIC CONDENSING UNITS
R449A / R404A - LOW TEMP

Stock No.	Model	Disp. (cc)	Amb. (°C)	Capacity (Watts)				Fan Qty.	RLA (A)	Receiver Volume (L)	Nom. HP	Price \$ Excl. GST
				R449A		R404A						
				-25°C	-15°C	-25°C	-15°C					
220-240/1/50 - Single Phase												
CK4253	PPH014LA1-1	30.5	32	1214	1879	1364	2111	1	4.2	2.4	1.0	
			40	1015	1620	1140	1820					
CK4255	PPH024LA1-1	53.5	32	2102	3273	2362	3678	1	7.9	4.4	1-1/2	
			40	1718	2839	1930	3190					
380-420/3/50 - Three Phase												
CK4256	PPH028LA1-2	67.9	32	2898	4300	3256	4831	1	3.4/PH	4.4	2-1/4	
			40	2496	3751	2805	4215					
CK4257	PPH043LA1-2	96.1	32	3659	5832	4111	6553	2	3.3/PH	8.2	3-1/4	
			40	3079	4997	3460	5615					
CK4258	PPH050LA1-2	107.7	32	4422	6826	4968	7670	2	4.5/PH	8.2	3-3/4	
			40	3742	5896	4205	6625					
CK4259	PPH061LA1-2	135.8	32	5410	8194	6079	9207	2	6.1/PH	8.2	4.0	
			40	4637	7133	5210	8015					

Rating Conditions: ASHRAE-T Standard

Notes:

- Units are configured for vertical airflow
- Units are fully pre-wired and include, fitted crankcase heater, oil separator, liquid receiver, liquid line drier & sight glass, HP/LP control, fan speed control and Koil Kote condenser protection
- Suction accumulator fitted to low temp units

POLARPACK TECHNICAL DATA

POLARPACK TECHNICAL DATA

Stock No.	Cond. Unit Model	Compressor Model	Volts Phase	Fan Motor		Connections		Dimensions (mm)			Weight (Kg)
				Qty.	Motor Dia.	Suction	Liquid	W	D	H	
R134a Medium Temperature											
CK4222	PPH062MA1-1	MTZ36	240 V 1	2	300	3/4	5/8	1220	660	730	100
CK4224	PPH068MA1-2	MTZ40	400 V 3	2	300	7/8	5/8	1220	660	730	100
CK4225	PPH075MA1-2	MTZ45		2	300	7/8	5/8	1220	660	730	115
CK4226	PPH089MA1-2	MTZ51		2	350	7/8	5/8	1220	660	730	115
CK4227	PPH100MA1-2	MTZ57		2	350	7/8	5/8	1220	660	730	115
CK4228	PPH113MA1-2	MTZ65		2	350	7/8	5/8	1220	660	730	120
R404A Medium Temperature											
CK4214	PPH027MA1-1	WJ26MHG	240 V 1	1	300	1/2	3/8	750	660	730	70
CK4215	PPH030MA1-1	WJ31MHG		1	300	1/2	3/8	750	660	730	70
CK4216	PPH040MA1-1	AW43MHG		1	300	5/8	1/2	750	660	730	80
CK4218	PPH046MA1-1	AW48MHG		1	350	5/8	1/2	750	660	730	80
CK4220	PPH052MA1-2	AW54MHG		1	350	5/8	1/2	750	660	730	80
CK4222	PPH062MA1-1	MTZ36		2	300	3/4	5/8	1220	660	730	100
CK4224	PPH068MA1-2	MTZ40	400 V 3	2	300	7/8	5/8	1220	660	730	100
CK4225	PPH075MA1-2	MTZ45		2	300	7/8	5/8	1220	660	730	115
CK4226	PPH089MA1-2	MTZ51		2	350	7/8	5/8	1220	660	730	115
CK4227	PPH100MA1-2	MTZ57		2	350	7/8	5/8	1220	660	730	115
CK4228	PPH113MA1-2	MTZ65		2	350	7/8	5/8	1220	660	730	120
R404A Low Temperature											
CK4253	PPH014LA1-1	WJ31LZ	240 V 1	1	300	1/2	3/8	750	660	730	70
CK4255	PPH024LA1-1	AW54LZ	1	350	5/8	3/8	750	660	730	80	
CK4256	PPH028LA1-2	NTZ068	400 V 3	1	350	5/8	3/8	750	660	730	75
CK4257	PPH043LA1-2	NTZ096		2	350	7/8	5/8	1220	660	730	110
CK4258	PPH050LA1-2	NTZ108		2	350	7/8	5/8	1220	660	730	115
CK4259	PPH061LA1-2	NTZ136		2	350	7/8	5/8	1220	660	730	115



KIRBY TITAN HERMETIC CONDENSING UNITS

A tough, compact and robust commercial condensing unit, the Kirby Polar Pack Titan offers impressive performance and capacity within a small footprint. Pre-wired for convenient installation, the Titan thrives in harsh ambient conditions and under heavy loads. Being a fully enclosed system, it can be installed indoors or outside.

Features and Benefits

- Easy servicing
- Fast installation
- Fully pre-wired
- Coil protection as standard



R449A / R404A - MED / LOW TEMP

Stock No.	Model	Disp. (cc)	Amb. (°C)	Capacity (Watts)					Fan Qty.	RLA (A)	Receiver Volume (L)	Nom. HP	Price \$ Excl. GST
				R449A		R404A		R134a					
				-25°C	-5°C	-25°C	-5°C	-5°C					
380-420/3/50 - Three Phase													
CK4271	PPH131MHA1-2	21.0	32	4361	11237	4900	12626	8722	2	10.8/PH	14.5	6.0	
			40	3542	9585	3980	10770	7570					
CK4272	PPH153MHA1-2	23.6	32	5292	13135	5946	14758	10010	2	13.4/PH	14.5	6.5	
			40	4352	11276	4890	12670	8770					
CK4273	PPH170MHA1-2	29.8	32	6041	15019	6788	16875	10675	2	15.9/PH	14.5	8.5	
			40	5055	13096	5680	14715	9435					
CK4274	PPH217MHA1-2	37.5	32	8272	19232	9294	21609	13405	2	17.9/PH	14.5	10.0	
			40	6809	16327	7650	18345	11785					
CK4275	PPH251MHA1-2	42.1	32	9657	22294	10851	25049	16665	3	22.0/PH	24.5	12.0	
			40	7970	19068	8955	21425	14865					
CK4276	PPH283MHA1-2	47.3	32	11257	25534	12648	28690	18456	3	24.2/PH	24.5	13.5	
			40	9274	21725	10420	24410	16460					

Rating Conditions: ASHRAE-T Standard

Notes:

1. Units are configured for vertical airflow
2. Units are fully pre-wired and include, fitted crankcase heater, oil separator, liquid receiver, liquid line drier & sight glass, HP/LP control, fan speed control and Koil Kote condenser protection

TITAN TECHNICAL DATA

Stock No.	Cond. Unit Model	Compressor Model	Volts Phase	Fan Motor		Connections		Dimensions (mm)			Weight (Kg)
				Qty.	Motor Dia.	Suction	Liquid	W	D	H	
R404A Medium / Low Temperature											
CK4271	PPH131MHA1-2	MTZ73	400 V 1	2	350	1-3/8	5/8	1846	840	1060	225
CK4272	PPH153MHA1-2	MTZ81		2	450	1-3/8	5/8	1846	840	1094	229
CK4273	PPH170MHA1-2	MTZ100		2	450	1-3/8	5/8	1846	840	1094	235
CK4274	PPH217MHA1-2	MTZ125		2	450	1-3/8	5/8	1846	840	1094	255
CK4275	PPH251MHA1-2	MTZ144		3	450	1-3/8	7/8	2413	840	1094	320
CK4276	PPH283MHA1-2	MTZ160		3	450	1-3/8	7/8	3413	840	1094	335



TECUMSEH PAC³ SCROLL CONDENSING UNITS

The Tecumseh Packaged PAC³ Condensing Unit is designed with both reciprocating and scroll compressor technology with wide range offer. The PAC³ is best in sustainability, flexibility and serviceability.

Features and Benefits

- Reciprocating and scroll compressor offering
- Compact and optimised for space constraints
- Wide application range to fit extensive demands
- Units are fully pre-wired and include, fitted crankcase heater, liquid receiver, liquid line drier & sight glass and HP/LP control



R449A / R404A - MEDIUM TEMP

Stock No.	Model	Disp. (cc)	Amb. (°C)	Capacity (Watts)				Fan Qty.	RLA (A)	Receiver Volume (L)	Nom. HP	Price \$ Excl. GST
				R449A		R404A						
				-5°C	+5°C	-5°C	+5°C					
380-420/3/50 - Three Phase												
C9781	PAC4572Z	17.1	32	11297	15940	12552	16433	2	9.4	9.5	6.0	
			40	9934	-	11038	-					
C9782	PAC4584Z	18.8	32	12671	18227	14079	18791	2	10.0	9.5	7.0	
			40	11322	16260	12580	16763					
C9783	PAC4596Z	21.4	32	14026	20136	15584	20759	2	12.1	9.5	8.0	
			40	12173	-	13525	-					
C9784	PAC4611Z	25.0	32	16340	23120	18156	23835	2	13.6	9.5	9.0	
			40	14283	20236	15870	20862					
C9785	PAC4612Z	29.1	32	18502	25538	20558	26328	2	15.5	9.5	10.0	
			40	16210	22480	18011	23175					

Rating Conditions: EN13215 at stated ambient, 20°C return gas temp & 3K Subcooling.

Notes:

1. Units are configured for horizontal airflow
2. Units are fully pre-wired and include, fitted crankcase heater, liquid receiver, liquid line drier & sight glass and HP/LP control


TECUMSEH PAC³ HERMETIC CONDENSING UNITS
R449A / R404A - MEDIUM TEMP

Stock No.	Model	Disp. (cc)	Amb. (°C)	Capacity (Watts)				Fan Qty.	RLA (A)	Receiver Volume (L)	Nom. HP	Price \$ Excl. GST
				R449A		R404A						
				-5°C	+5°C	-5°C	+5°C					
220-240/1/50 - Single Phase												
C9719	PACS9510Z	18.3	32	1817	2681	2019	2764	1	5.7	2.3	0.8	
			40	1555	2290	1728	2361					
C9720	PACS9513Z	24.2	32	2255	3363	2506	3467	1	7.0	2.3	1.1	
			40	1887	2826	2097	2913					
C9721	PACS4517Z	25.9	32	2450	3561	2740	3723	1	8.1	3.9	1.4	
			40	2153	3149	2350	3194					
C9722	PACS4519Z	34.5	32	3066	4448	3339	4458	1	10.5	3.9	1.6	
			40	2689	3931	2882	3841					
C9723	PACS4524Z	43.5	32	3686	5553	4144	5763	1	11.8	3.9	2.0	
			40	3181	4867	3498	4914					
C9724	PACS4531Z	56.6	32	4718	6882	5185	7062	1	15.2	3.9	2.6	
			40	4120	6179	4446	6097					
380-420/3/50 - Three Phase												
C9725	PAC4540Z	74.2	32	5931	8531	6654	8799	1	8.7	3.9	3.3	
			40	5252	7631	5761	7641					
C9726	PAC4546Z	90.2	32	6690	10165	7527	10530	1	9.6	3.9	3.8	
			40	5679	8838	6272	8891					
C9727	PAC4553Z	100.7	32	7786	11725	8769	12206	1	10.5	3.9	4.4	
			40	6696	10290	7424	10440					
C9728	PAC4561Z	112.5	32	8363	12359	9325	12688	2	11.8	9.5	5.0	
			40	7229	10915	7913	10887					
C9729	PAC4568Z	124.4	32	10069	14944	11206	15316	2	12.9	9.5	5.7	
			40	8862	13405	9671	13341					
C9730	PAC4581Z	145.0	32	11436	16454	13351	17888	2	15.3	9.5	6.8	
			40	10046	-	11531	15507					

Rating Conditions: EN13215 at stated ambient, 20°C return gas temp & 3K Subcooling.

Notes:

- Units are configured for horizontal airflow
- Units are fully pre-wired and include, fitted crankcase heater, liquid receiver, liquid line drier & sightglass and HP/LP control


TECUMSEH PAC³ HERMETIC CONDENSING UNITS
R449A / R404A - LOW TEMP

Stock No.	Model	Disp. (cc)	Amb. (°C)	Capacity (Watts)				Fan Qty.	RLA (A)	Receiver Volume (L)	Nom. HP	Price \$ Excl. GST
				R449A		R404A						
				-25°C	-20°C	-25°C	-20°C					
220-240/1/50 - Single Phase												
C9751	PACS2446Z	26.2	32	949	1261	1192	1483	1	4.3	2.3	1.2	
			40	810	1076	1017	1266					
C9752	PACS2464Z	34.5	32	1263	1668	1587	1962	1	6.0	2.3	1.6	
			40	1078	1430	1354	1682					
C9753	PACS2480Z	53.2	32	1798	2330	2262	2807	1	7.7	3.9	2.0	
			40	1533	2028	1924	2412					
380-420/3/50 - Three Phase												
C9754	PAC2511Z	74.2	32	2394	3128	2942	3680	1	4.7	3.9	2.8	
			40	2038	2720	2489	3158					
C9755	PAC2513Z	100.7	32	2920	3948	3209	4065	1	5.0	3.9	3.3	
			40	2368	3288	2627	3384					
C9756	PAC2516Z	112.5	32	3427	4539	4091	5179	1	5.6	3.9	4.0	
			40	2803	3786	3317	4268					
C9757	PAC2522Z	134.8	32	4322	5633	5160	6427	1	6.5	3.9	5.5	
			40	3669	4859	4342	5476					
C9758	PAC2525Z	145.0	32	4707	6073	5557	6845	1	7.1	3.9	6.3	
			40	4027	5277	4583	5728					

Rating Conditions: EN13215 at stated ambient, 20°C return gas temp & 3K Subcooling.

Notes:

- 1.Units are configured for horizontal airflow
- 2.Units are fully pre-wired and include, fitted crankcase heater, liquid receiver, liquid line drier & sight glass and HP/LP control.


PAC³ TECHNICAL DATA
MEDIUM TEMP - SCROLL

Stock No.	Cond. Unit Model	Compressor Model	Volts Phase	Fan Motor		Connections		Dimensions (mm)			Weight (Kg)
				Qty.	Motor Dia.	Suction	Liquid	W	D	H	
R404A Medium Temperature											
C9781	PAC4572Z	4572Z	400 V 3	2	450	7/8	1/2	913	416	1149	112
C9782	PAC4584Z	4584Z		2	450	7/8	1/2	913	416	1149	119
C9783	PAC4596Z	4596Z		2	500	1-1/8	1/2	913	416	1271	140
C9784	PAC4611Z	4611Z		2	500	1-1/8	1/2	913	416	1271	140
C9785	PAC4612Z	4612Z		2	500	1-1/8	1/2	913	416	1271	141

MEDIUM TEMP - HERMETIC

Stock No.	Cond. Unit Model	Compressor Model	Volts Phase	Fan Motor		Connections		Dimensions (mm)			Weight (Kg)
				Qty.	Motor Dia.	Suction	Liquid	W	D	H	
R404A Medium Temperature											
C9719	PACS9510Z	CAJ6810Z	240 V 1	1	350	5/8	3/8	913	416	532	58
C9720	PACS9513Z	CAJ9513Z		1	350	5/8	3/8	913	416	532	58
C9721	PACS4517Z	CAJ4517Z		1	450	5/8	3/8	913	416	633	63
C9722	PACS4519Z	CAJ4519Z		1	450	5/8	3/8	913	416	633	63
C9723	PACS4524Z	FH4524Z		1	450	5/8	3/8	913	416	633	80
C9724	PACS4531Z	FH4531Z	1	450	5/8	3/8	913	416	633	81	
C9725	PAC4540Z	TFH4540Z	400 V 3	1	500	7/8	1/2	913	416	792	89
C9726	PAC4546Z	TAG4546Z		1	500	7/8	1/2	913	416	792	96
C9727	PAC4553Z	TAG4553Z		1	500	7/8	1/2	913	416	792	98
C9728	PAC4561Z	TAG4561Z		2	450	7/8	1/2	913	416	1149	125
C9729	PAC4568Z	TAG4568Z		2	450	7/8	1/2	913	416	1149	126
C9730	PAC4581Z	TAG4581Z	2	450	7/8	1/2	913	416	1149	127	

LOW TEMP - HERMETIC

Stock No.	Cond. Unit Model	Compressor Model	Volts Phase	Fan Motor		Connections		Dimensions (mm)			Weight (Kg)
				Qty.	Motor Dia.	Suction	Liquid	W	D	H	
R404A Low Temperature											
C9751	PACS2446Z	CAJ2446Z	240 V 1	1	350	5/8	3/8	913	416	532	57
C9752	PACS2464Z	CAJ2464Z		1	350	5/8	3/8	913	416	532	58
C9753	PACS2480Z	FH2480Z		1	450	5/8	3/8	913	416	638	78
C9754	PAC2511Z	FH2511Z	400 V 3	1	450	5/8	3/8	913	416	638	78
C9755	PAC2513Z	TAG2513Z		1	500	7/8	1/2	913	416	792	96
C9756	PAC2516Z	TAG2516Z		1	500	7/8	1/2	913	416	792	97
C9757	PAC2522Z	TAG2522Z		1	500	7/8	1/2	913	416	792	99
C9758	PAC2525Z	TAG2525Z	1	500	7/8	1/2	913	416	792	99	



MILK VAT CONDENSING UNITS

On-farm refrigeration, purpose built with the milk shed environment and servicing in mind

Features and Benefits

- Easy access to all serviceable components
- Reliability proven Tecumseh hermetic compressor
- Condenser fan control for stable operation



MILK VAT UNIT - ENCLOSED

Stock No.	Model	Compressor	Disp. (m3/hr)	Amb. (°C)	Capacity		Nominal Milk Vat Size (L)	RLA (A)	Receiver Volume (L)	Nom. HP	Price \$ Excl. GST
					R404A	0°C SST					
380-420/3/50 - Three Phase											
C6736	RMV450-E	TAG4553Z	100.7	32	10.3	5700	16.3	9.5	4-1/2		
				40	8.8						
C6737	RMV600-E	TAG4573Z	134.8	32	14.2	6800	21.3	9.5	6-1/4		
				40	12.6						

Rating Conditions: EN13215 at stated ambient, 20°C return gas temp & 3K Subcooling.

Notes:

- Enclosed models are fully pre-wired and include fitted HP/LP, HP fan switch, liquid receiver, oil separator, solenoid valve, liquid line drier and sight glass and PRV valve.

MILK VAT UNIT - OPEN

Stock No.	Model	Compressor	Disp. (m3/hr)	Amb. (°C)	Capacity		Nominal Milk Vat Size (L)	RLA (A)	Receiver Volume (L)	Nom. HP	Price \$ Excl. GST
					R404A	0°C SST					
380-420/3/50 - Three Phase											
C6726	RMV450-O	TAG4553Z	100.7	32	10.3	5700	16.3	6.0	4-1/2		
				40	8.8						
C6727	RMV600-O	TAG4573Z	134.8	32	14.2	6800	21.3	9.0	6-1/4		
				40	12.6						

Rating Conditions: EN13215 at stated ambient, 20°C return gas temp & 3K Subcooling.

Notes:

- Packaged models are fully pre-wired and include fitted HP/LP, HP fan switch, liquid receiver, oil separator, solenoid valve, liquid line drier and sight glass and PRV valve.



MILK VAT TECHNICAL DATA

Stock No.	Cond. Unit Model	Compressor Model	Volts Phase	Fan Motor		Connections		Dimensions (mm)			Weight (Kg)
				Qty.	Motor Dia.	Suction	Liquid	W	D	H	
Enclosed Unit											
C6736	RMV450	TAG4553Z	3	2	350	7/8	1/2	1285	625	820	146
C6737	RMV600	TAG4573Z		2	350	7/8	1/2	1285	625	820	150
Open Unit											
C6726	RMV450	TAG4553Z	3	2	400	7/8	1/2	1080	680	565	118
C6727	RMV600	TAG4573Z		2	400	7/8	1/2	1080	680	565	135



BITZER ECOLITE SEMI HERMETIC CONDENSING UNITS

The ECOLITE series are designed as standard for low and medium temperature applications. The ECOLITE has a highly-efficient minichannel condenser that has a high heat-transfer rate, and low refrigerant charge. What makes it so efficient is the BITZER ECOLINE compressor fitted with CRII capacity modulation and a start unloader function. Additionally, the fans have a low energy consumption because of their built-in speed regulator. The ECOLITE series are suitable for a wide range of refrigerants including HFO blends with lower GWP.

Features & Benefits

- System optimised mini channel condenser - low refrigerant charge
- VARISTEP capacity control
- Easy & efficient installation and commissioning



MEDIUM / LOW TEMP

Stock No.	Model	Disp. (m3/hr)	Amb. (°C)	Capacity (Watts)					Fan Qty.	RLA (A)	Receiver Volume (L)	Nom. HP	Price \$ Excl. GST
				R449A		R404A		R513A					
				-25°C	-5°C	-25°C	-5°C	-5°C					
380-420/3/50 - Three Phase													
BZCU28-200	LHL3E/2DES-2Y	13.4	32	2960	7490	3740	7930	5610	1	8.1	7.8	2.0	
			40	2510	6560	3130	6750	4950					
BZCU28-204	LHL5E/4FES-3Y	18.1	32	4560	10990	5340	11620	7590	2	10.1	15.0	3.0	
			40	3710	9670	4590	9960	6670					
BZCU28-203	LHL5E/4EES-4Y	22.7	32	5290	13230	6610	14020	9560	2	12.8	15.0	4.0	
			40	4520	11620	5650	12010	8460					
BZCU28-202	LHL5E/4DES-5Y	26.8	32	5920	14700	7500	15670	10960	2	15.1	15.0	5.0	
			40	5040	-	6410	13450	9660					
BZCU28-201	LHL5E/4CES-6Y	32.5	32	7410	17680	8940	18400	13080	2	18.3	15.0	6.0	
			40	6370	-	7610	15780	11550					

Rating Conditions: EN13215 at stated ambient, 20°C return gas temp & 3K Subcooling

Notes:

- Units are configured for horizontal airflow.
- Units include:
 - Liquid receiver
 - HP & LP control
 - CRII capacity control (10% to 100% for LHL5E)
 - Crankcase heater
 - Oil separator
 - Liquid line drier & sightglass
 - Fan speed control
 - Coolroom temperature sensor

Optional equipment:

Interface converter for connection to BEST SOFTWARE


BITZER ECOLITE TECHNICAL DATA

Stock No.	Cond. Unit Model	Compressor Model	Volts Phase	Fan Motor		Connections		Dimensions (mm)			Weight (Kg)
				Qty.	Motor Dia.	Suction	Liquid	W	D	H	
Medium / Low Temperature											
BZCU28-200	LHL3E/2DES-2Y	2DES-2Y	400V 3	1	450	7/8	1/2	1300	450	830	157
BZCU28-204	LHL5E/4FES-3Y	4FES-3Y		2	450	1-1/8	5/8	1300	450	1230	210
BZCU28-203	LHL5E/4EES-4Y	4EES-4Y		2	450	1-1/8	5/8	1300	450	1230	214
BZCU28-202	LHL5E/4DES-5Y	4DES-5Y		2	450	1-1/8	5/8	1300	450	1230	216
BZCU28-201	LHL5E/4CES-6Y	4CES-6Y		2	450	1-1/8	5/8	1300	450	1230	218



REALPACK SEMI HERMETIC CONDENSING UNITS

The Realpack series of semi-hermetic refrigeration condensing units provide a high quality professional solution for all commercial refrigeration applications. Common applications include cabinets, coolrooms, freezers, convenience stores, restaurants, pubs and clubs, food processing and many more.

Features & Benefits

- Wide range compressor
- INT69 providing diagnostics capability via USB
- Condenser fan control for stable operation
- Fully pre wired



R449A / R404A - MEDIUM / LOW TEMP

Stock No.	Model	Compressor	Disp. (m3/hr)	Amb. (°C)	Capacity (kW)				RLA (A)	Receiver Volume (L)	Nom. HP	Price \$ Excl. GST
					R449A		R404A					
					-25°C	-5°C	-25°C	-5°C				
380-420/3/50 - Three Phase												
C6734	RPMS500	SH4591Z	24.7	32	7.3	18.5	8.0	19.3	12.7	10.0	5.0	
				40	6.4	16.5	6.9	16.9				
C6735	RPMS700	SH4610Z	28.0	32	8.3	21.0	9.3	22.3	17.6	12.0	7.5	
				40	7.2	18.7	8.2	19.6				
C6740	RPMS1200	SH4615Z	41.3	32	12.0	31.2	13.1	32.0	22.4	12.0	12.5	
				40	10.5	27.7	11.1	27.9				
C6741	RPMS1500	SH4620Z	51.5	32	14.3	38.2	18.0	41.1	32.4	12.0	15	
				40	12.2	33.7	15.8	36.4				
C6742	RPMS2000	SH4622Z	56.0	32	16.6	32.8	19.9	45.1	38.4	12.0	20	
				40	14.4	38.0	17.4	40.1				
C6743	RPMS2500	SH4627Z	70.8	32	21.5	53.8	23.1	56.5	43.5	25.0	25	
				40	18.8	48.1	19.7	49.2				
C6744	RPMS3000	SH4632Z	83.8	32	25.6	63.7	28.1	67.6	49.2	25.0	30	
				40	22.5	57.2	29.7	59.2				
C6745	RPMS3500	SH4639Z	102.9	32	31.5	79.0	34.3	79.5	61	25.0	35	
				40	27.6	70.7	30.7	69.7				

Rating Conditions: EN13215 at stated ambient, 20°C return gas temp & 3K Subcooling.

Notes:

- All models include fitted HP/LP, liquid receiver, oil separator, suction accumulator, liquid line drier and sight glass, suction line drier shell, fan speed control and PRV valve
- Electrical board fully wired to all electrical components.
- Models RPMS2500 to RPMS3500 include EC fan motors.


REALPACK SEMI HERMETIC TECHNICAL DATA

Stock No.	Cond. Unit Model	Compressor Model	Volts Phase	Fan Motor		Connections		Dimensions (mm)			Weight (Kg)
				Qty.	Motor Dia.	Suction	Liquid	W	D	H	
Medium / Low Temperature											
C6734	RPMS500	SH4591Z	400V 3	3	350	7/8	1/2	1880	630	820	240
C6735	RPMS700	SH4610Z		2	500	1-1/8	5/8	1770	870	1015	290
C6740	RPMS1200	SH4615Z		2	500	1-3/8	5/8	1770	870	1015	340
C6741	RPMS1500	SH4620Z		2	500	1-3/8	5/8	1770	870	1015	386
C6742	RPMS2000	SH4622Z		2	500	1-3/8	5/8	1770	870	1015	420
C6743	RPMS2500	SH4627Z		2	710	2-1/8	1-1/8	2455	1101	1544	615
C6744	RPMS3000	SH4632Z		2	710	2-1/8	1-1/8	2455	1101	1544	650
C6745	RPMS3500	SH4639Z		2	710	2-1/8	1-1/8	2455	1101	1544	670



R744 (CO₂) TRANSCRITICAL CONDENSING UNITS

The CO2Y are condensing units working with R744 (CO₂) refrigerant specially designed for small and medium cold rooms.

The CO2Y provides a state of art eco-performance without harming the environment. Medium and Low temperature application models are available.

Features and Benefits

- Cost effective, natural refrigerant condensing unit
- User friendly, intelligent control system
- Energy efficient with a low carbon footprint



MEDIUM TEMP

Stock No.	Model	Capacity (kW)			Fan Qty.	Dimension (mm)			Price \$ Excl. GST
		R744 (CO ₂)				W	D	H	
		Min.	Nom.	Max.					
220-240/1/50 - Single Phase									
GC030MT	CO2Y 30MT	0.7	2.0	2.7	1	1200	380	1030	
GC050MT	CO2Y 50MT	1.9	2.8	5.5	1	1200	380	1030	
GC067MT	CO2Y 67MT	1.6	4.5	6.1	1	1200	380	1030	
380-420/3/50 - Three Phase									
GC100MT	CO2Y 100MT	2.3	6.7	9.2	2	1200	380	1430	

LOW TEMP

Stock No.	Model	Capacity (kW)			Fan Qty.	Dimension (mm)			Price \$ Excl. GST
		R744 (CO ₂)				W	D	H	
		Min.	Nom.	Max.					
220-240/1/50 - Single Phase									
GC075LT	CO2Y 75LT	0.9	2.2	2.9	1	1200	681	1028	
380-420/3/50 - Three Phase									
GC167LT	CO2Y 167LT	2.1	4.9	6.5	2	1200	681	1638	

Notes:

1. Nominal capacity ratings are based on:
Medium temp @ -8°C SST / 32°C ambient.
Low temp @ -32°C SST / 32°C ambient.
2. Maximum ambient temperature 43°C.


CO2Y UNIT TECHNICAL DATA

Stock No.	Cond. Unit Model	Volts Phase	Fan Motor		Connections		Dimensions (mm)			Weight (Kg)
			Qty.	Motor Dia.	Suction	Liquid	W	D	H	
R744 (CO₂) Medium Temperature										
GC030MT	CO2Y 30MT	240V 1	1	450	3/8	3/8	1200	380	1030	125
GC050MT	CO2Y 50MT		1	450	3/8	3/8	1200	380	1030	130
GC067MT	CO2Y 67MT		1	450	3/8	3/8	1200	380	1030	160
GC100MT	CO2Y 100MT	400V 3	2	450	3/8	3/8	1200	380	1430	185

Stock No.	Cond. Unit Model	Volts Phase	Fan Motor		Connections		Dimensions (mm)			Weight (Kg)
			Qty.	Motor Dia.	Suction	Liquid	W	D	H	
R744 (CO₂) Low Temperature										
GC075LT	CO2Y 75LT	240V 1	1	450	3/8	3/8	1194	681	1028	185
GC167LT	CO2Y 167LT	400V 3	2	450	1/2	3/8	1200	681	1638	210



KIRBY KRC AIR COOLED CONDENSERS

The Kirby KRC Remote Condenser range includes the latest refrigeration technologies for upgraded performance such as 9000 series fin coils and pre coated fin for optimal corrosion protection. The units can be installed vertically or horizontally for maximum flexibility. Standard inclusions include powder coated panels and quality external rotor motor fans for long life and serviceability.

Features and Benefits

- Optimised air flow and coil design for enhanced heat transfer performance and high pressure applications
- Kirby Blue Koted aluminium fins for optimal UV and corrosion resistance
- Header clearance holes to ensure the end/divider plates remain a leak free zone and positive air seal between all fans
- Coils rated for high pressure refrigerants such as R410A (maximum 3650 kPa)
- 240V - 1 Phase fan motor assemblies



Stock No.	Model	THR (watts @ 1 KTD)			Fan Qty / Dia.	Air Vol. (L/sec)	Dimension (mm)			Weight (Kg)	Price \$ Excl. GST
		R449A	R404A	R134a			L	W	H		
Single Coil Model - 350mm fan - 4 Pole Motor - 220-240/1/50											
KRC80	KRC80-4PH	715	803	746	2 x 350	1260	951	470	705	29	
KRC107	KRC107-4PH	958	1076	1001	2 x 350	1295	951	570	705	34	
KRC134	KRC134-4PH	1191	1338	1245	2 x 350	1210	951	670	705	46	
Single Coil Model - 500mm fan - 4 Pole Motor - 220-240/1/50											
KRC164	KRC164-4PH	1455	1635	1520	1 x 500	1530	951	670	745	51	
KRC213	KRC213-4PH	1900	2135	1986	2 x 500	3290	1262	849	1020	68	
KRC317	KRC317-4PH	2822	3171	2949	2 x 500	3234	1262	954	1020	93	
Single Coil Model - 500mm fan - 6 Pole Motor - 220-240/1/50											
KRC-137	KRC-137-6PH	1216	1366	1271	1 x 500	1095	951	670	745	51	
KRC181	KRC181-6PH	1608	1807	1681	2 x 500	2435	1262	849	1020	68	
KRC254	KRC254-6PH	2264	2544	2366	2 x 500	2170	1262	954	1020	93	
Single Coil Model - 630mm fan - 6 Pole Motor - 220-240/1/50											
KRC389	KRC389-6PH	3458	3885	3613	2 x 630	3745	1675	1004	1050	129	
KRC457	KRC457-6PH	4069	4572	4252	3 x 630	6475	2408	1004	1050	158	
KRC574	KRC574-6PH	5107	5738	5337	3 x 630	5620	2408	1004	1050	186	
KRC693	KRC693-6PH	6165	6927	6442	4 x 630	8755	3205	1107	1050	208	
KRC861	KRC861-6PH	7664	8611	8008	4 x 630	7755	3205	1107	1050	263	
Twin Coil Model - 630mm fan - 6 Pole Motor - 220-240/1/50											
KRC776	KRC776-6PH	6915	7770	7226	4 x 630	7490	1581	1929	1145	271	
KRC914	KRC914-6PH	8137	9143	8503	6 x 630	12950	2316	1929	1145	309	
KRC1148	KRC1148-6PH	10215	11477	10674	6 x 630	11240	2316	1929	1145	365	
KRC1386	KRC1386-6PH	12089	13583	12883	8 x 630	17510	3091	2135	1145	501	
KRC1722	KRC1722-6PH	15327	17221	16016	8 x 630	15510	3091	2135	1145	612	

Notes:

- Twin coil models are delivered Ex Australia
- Standard configuration is vertical airflow
- Maximum operating pressure 3650 kPa is suitable for R410A
- 3 phase fan option available
- EC fan option available



KIRBY WRC COOLED CONDENSERS

The Kirby WRC Remote Condenser is recognised for its technical excellence and efficiency. The WRC has been specifically designed for supermarkets and other cold storage applications with low noise or energy savings in mind. The WRC offers significant energy efficiency and power savings as a result of having an optimised coil surface to fan ratio.

Features and Benefits

- Floating coil technology with 'split length fins' vastly improves the life of the condenser
- 2 speed, 3 phase external rotor fans with internal thermal protection
- Fans are pre-wired to (IP54) junction box with individual fan isolating switches
- Kirby Koted aluminium fins for optimal UV and corrosion resistance
- High quality powder coated finish



Model	THR (watts @ 1 KTD)			Fan Qty.	Air Vol. (L/sec)	Dimension (mm)			Weight (Kg)	Price \$ Excl. GST
	R449A	R404A	R134a			L	W	H		
Single Coil Models - 800mm fan - 6 Pole motor - 380-420/3/50										
WRC112B	9977	11210	10430	2 x 800	11360	3260	1250	1410	430	
WRC123B	10956	12310	11450	2 x 800	10010	3260	1250	1410	500	
WRC167B	14899	16740	15570	3 x 800	17040	4660	1250	1410	610	
WRC185B	16429	18460	17170	3 x 800	15010	4660	1250	1410	710	
WRC225B	19998	22470	20900	4 x 800	22720	6068	1250	1410	820	
WRC247B	21939	24650	22920	4 x 800	20010	6068	1250	1410	960	
WRC277B	24635	27680	25740	5 x 800	28400	7469	1250	1410	1035	
WRC307B	27314	30690	28540	5 x 800	25010	7469	1250	1410	1210	
Twin Coil Models - 800mm fan - 6 Pole motor - 380-420/3/50										
WRC224B	19954	22420	20860	4 x 800	22720	3260	2500	1410	810	
WRC246B	21912	24620	22900	4 x 800	20020	3260	2500	1410	950	
WRC335B	29797	33480	31140	6 x 800	34080	4660	2500	1410	1170	
WRC369B	32859	36920	34340	6 x 800	30020	4660	2500	1410	1370	
WRC449B	39997	44940	41800	8 x 800	45440	6068	2500	1410	1570	
WRC493B	43877	49300	45840	8 x 800	40020	6068	2500	1410	1830	
WRC554B	49270	55360	51480	10 x 800	56800	7469	2500	1410	1975	
WRC614B	54628	61380	57080	10 x 800	50020	7469	2500	1410	2300	

Notes:

- THR based on zero subcooling and 100°C discharge temperature at 32°C Ambient, with zero suction superheat assumed.
- For other ambients, discharge temps, and subcooling please contact your Realcold branch.
- Nominal ratings with fan operation on high speed
- 6 pole motor standard: High Speed at 880 RPM, Low Speed @ 660 RPM
- EC Fan option available


BITZER WATER COOLED CONDENSERS

The Bitzer Shell and Tube condensers offer high performance finned tubes which are brazed in, helping to prevent leakages while the "low fouling" structure of the ribbed pipes ensures low contamination. The compact construction and low water consumption guarantee particularly low operating costs and maximum reliability. Fixing rails or assembly panels allow you to add compressors or accessories.


**SHELL & TUBE WATER COOLED CONDENSERS (Indent Only)
STANDARD DESIGN**

Model	Condenser Capacity ^① (kW)	Nom. Coolant Flow Rate (m ³ /hr)	Max. Coolant Flow Rate (m ³ /hr)	Press. Drop (kPa)	Maximum Refrigerant Charge ^② (Kg)		Weight (Kg)	Price \$ Excl. GST
					R134a	R449A		
K033N	4.0	0.58	1.38	2	4.2	3.8	10	
K073H	7.3	1.08	2.75	2	3.8	3.4	11	
K123H	14.8	2.14	2.75	10	5.6	5.1	14	
K203H	20.6	2.97	6.42	8	13.0	11.9	25	
K283H	30.3	4.37	8.56	10	12.5	11.4	27	
K373H	52.3	7.55	10.71	23	16.0	14.6	35	
K573H	72.0	10.39	17.83	12	32.4	29.7	61	
K813H	91.7	13.23	22.70	12	30.6	27.9	65	
K1053H	146.7	21.20	22.70	36	44.1	40.4	87	
K1353T	187.8	27.10	29.20	36	40.8	37.3	103	
K1973T	269.0	38.90	42.20	35	83.9	76.7	195	
K2923T	387.0	55.90	61.50	34	73.9	67.6	230	
K3803T	511.0	73.70	81.10	34	119.2	109.0	335	
K4803T	657.0	94.90	103.90	35	108.1	98.9	360	

Notes:

① The performance data is based on:

- Refrigerant R134a
- 2-Pass cooling
- Refrigerant inlet temperature: 90°C
- Fouling factor on the refrigerant side: 0.0004 m²K/W

Standard design:

Condensing temperature: 40°C

Coolant inlet temperature: 29°C

The condenser capacity is strongly influenced by system operating conditions.

② At 20°C liquid temperature and 90% vessel volume.

Please refer to Bitzer selection software or contact Realcold for performance data at other conditions.


BITZER WATER COOLED CONDENSERS

The Bitzer Shell and Tube condensers offer high performance finned tubes which are brazed in, helping to prevent leakages while the "low fouling" structure of the ribbed pipes ensures low contamination. The compact construction and low water consumption guarantee particularly low operating costs and maximum reliability. Fixing rails or assembly panels allow you to add compressors or accessories.


**SHELL & TUBE WATER COOLED CONDENSERS (Indent Only)
SEAWATER RESISTANT DESIGN**

Model	Condenser Capacity ^① (kW)	Nom. Coolant Flow Rate (m ³ /hr)	Max. Coolant Flow Rate ^② (m ³ /hr)	Press. Drop (kPa)	Maximum Refrigerant Charge ^③ (Kg)		Weight (Kg)	Price \$ Excl. GST
					R134a	R449A		
K033NB	3.9	1.20	1.20	9	4.2	3.6	11	
K073HB	7.8	2.60	2.60	11	3.8	3.3	12	
K123HB	11.1	2.60	2.60	14	5.6	4.9	15	
K203HB	16.7	4.63	4.63	20	13.0	11.3	27	
K283HB	23.3	6.15	6.15	19	12.5	10.9	28	
K373HB	36.0	7.70	7.70	24	16.0	13.9	37	
K573HB	58.2	13.16	13.16	18	32.4	28.3	63	
K813HB	74.4	16.82	16.82	18	30.6	26.6	67	
K1053HB	98.5	16.82	16.82	24	44.1	38.4	92	
K1353TB	125.9	21.60	21.60	23	40.8	35.6	104	
K1973TB	182.0	31.20	31.20	24	83.9	73.0	200	
K2923TB	263.0	45.50	45.50	23	73.9	64.3	235	
K3803TB	347.0	59.90	59.90	23	119.2	103.7	338	
K4803TB	444.0	76.80	76.80	23	108.1	94.1	362	

Notes:

①The performance data is based on:

- Refrigerant R134a
- 2-Pass cooling
- Refrigerant inlet temperature: 90°C
- Fouling factor on the refrigerant side: 0.0004 m²K/W

Seawater resistant design:

Condensing temperature: 35°C
Coolant inlet temperature: 25°C

The condenser capacity is strongly influenced by system operating conditions.

②These specifications take into account a maximum flow velocity of 2.0 m/s for the seawater resistant design.

This is necessary for this design to protect the tube profile from wear.

③At 20°C liquid temperature and 90% vessel volume.

Please refer to Bitzer selection software or contact Realcold for performance data at other conditions.

Kirby Polar Pack

Series III



Compact and robust, our Polar Pack Series III commercial refrigeration unit is especially designed for harsh ambient conditions. Pre-wired and constructed around a small base, Polar Pack is easy to install. And because it's from Kirby, Polar Pack is tough and reliable - guaranteed.

Kirby's outdoor condensing units have always been renowned for their durability and clever design. The Polar Pack is no exception. Being a fully enclosed system, it can be installed indoors or outside.

- Hi-Ambient (45°C)
- Easy Servicing
- Fast Installation
- Fully pre-wired
- Fan speed control
- Coil protection standard on all units
- Phase failure protection module and universal
- HP/LP control standard



Electronic C

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Designed by engineers for engineers



VIRGINIA
THERMAL MASTIC HEAT TRANSFER COMPOUND
Cat. No. PM8
NET WT. 7.5 oz.





COMPONENTS

ADHESIVES

Stock No.	Description	Size (ml)	Price \$ Excl. GST
N0170	H2 Insulation Adhesive	125	
N0180	Aeroseal Insulation Adhesive with brush	192	
N0181	Aeroseal Insulation Adhesive with brush	473	


SEALANTS

Stock No.	Description	Size	Price \$ Excl. GST
N0058	Nylog Blue gasket & thread sealant - POE Oil Systems	30ml	
N0063	Leak-Lock joint sealant. Tube	1.33oz	
N0065	Leak-Lock with brush in top. Plastic jar	4oz	


SILICONES

Stock No.	Description	Size	Price \$ Excl. GST
N0512	Cleanroom Silicone - Titania	310ml	
N0515	Fixall 220 MS Silicone - White (BRANZ approved)	425gm	
N0519	Plumbers Silicone - Clear (BRANZ approved)	300ml	
N0192	Spare Nozzles - Packet of 4		


THERMAL MASTIC

Stock No.	Description	Size	Price \$ Excl. GST
N0020	Thermal Mastic - Drum	3.8 L	
N0021	Thermal Mastic - Tube	225gm	

Note: A heat conducting compound - increases heat transfer at four times the rate obtained with mechanical mounting.


SEALING PUTTY - FLAME PROOF

Stock No.	Model	Description	Price \$ Excl. GST
AC0702	PT-1K	Toyo Flameproof Sealing Putty - Ivory - 1 Kg	



INSULATION TAPE

Stock No.	Description	Price \$ Excl. GST
N0185	Insulation Tape - 48 mm x 30 metres roll - Black PVC	
N0186	Insulation Tape - 48 mm x 30 metres roll - White PVC	
N0187	Insulation Tape - 50mm x 50 metres roll - PVC (heavy grade)	
N0420	Electrical Tape - 19 mm x 20 metres Black	
N0421	Electrical Tape - 19 mm x 20 metres Red	
N0422	Electrical Tape - 19 mm x 20 metres Yellow	
N0423	Electrical Tape - 19 mm x 20 metres Blue	
N0424	Electrical Tape - 19 mm x 20 metres Green	
AC0709	Adhesive Tape - 20 mm x 50 metres - Ivory	


DUCT TAPE

Stock No.	Description	Price \$ Excl. GST
N0402	Aluminium Duct Tape - 51 mm x 45.72 metres roll	
N0404	Silver Duct Tape - 51 mm x 54.86 metres roll	


PETROLEUM TAPE

Stock No.	Description	Price \$ Excl. GST
N0406	Denso Tape 50 mm x 10 metres roll	
N0407	Denso Tape 100 mm x 10 metres roll	


TEFLON THREAD SEAL TAPE

Stock No.	Description	Price \$ Excl. GST
N0069	Teflon Thread Seal Tape 12mm x 10m roll	


EMERY & CLOTH TAPES

Stock No.	Description	Size	Price \$ Excl. GST
N0003	MA-Line Sand Cloth 38mm x 9m roll	9m	
N0005	MA-Line Sand Cloth 38mm x 22m roll	22m	
N0007	MA-Line Sand Cloth 38mm x 45m roll	45m	
N0009	MA-Line Open Mesh Cloth 38mm x 9m roll	9m	
N0010	Emery Tape 80 grit. 40mm x 50m roll	50m	
N0015	Emery Tape 180 grit. 40mm x 50m roll	50m	



BRAZING HAND TORCH

Stock No.	Model	Description	Price \$ Excl. GST
N6007	HTS99	<ul style="list-style-type: none"> • Auto-Igniting Brazing Torch • Adjustable flame control • Swirl tip swivels 360° • Piezo igniter for instant flame • Heavy duty 	


GAS CARTRIDGES

Stock No.	Description	Size	Price \$ Excl. GST
N6050	Disposable "MAPP" Gas Canister	400 gm	
N6011	Disposable Oxygen Cylinder	950 ml	


BRAZING ACCESSORIES

Stock No.	Description	Size	Price \$ Excl. GST
N5020	General Purpose Flux for Silver Brazing Alloy	250gm	
N5022	La-Co Aluminium Repair Kit Complete with flux paste, (for easy soldering of aluminium to copper).	Kit	
T0119	Epoxy La-Co Heat Seal Stick	11.7gm	
T0500	Cool Gel. Heat barrier spray	0.47 L	


NITROGEN PRESSURE REGULATOR

Stock No.	Model	Description	Price \$ Excl. GST
T2150	53004	<ul style="list-style-type: none"> • Nitrogen Pressure Regulator with 63mm gauges with guards. • High pressure gauge 4400 psig (300 bar) • Low pressure gauge 1000 psig (70 bar) 	



BRAZING ALLOY (Silver)

Stock No.	Silver Content	Tip Colour	Diameter (mm)	Length (mm)	Sold Per	Price \$ Excl. GST
N0525	5%	Silver	2.5	750	Per Kilo	
N0525A	5%	Silver	2.5	750	Per Stick	
N1515	15%	Tan	1.5	750	Per Kilo	
N1515A	15%	Tan	1.5	750	Per Stick	
N1525	15%	Tan	2.5	750	Per Kilo	
N1525A	15%	Tan	2.5	750	Per Stick	
N1530	15%	Tan	3.0	750	Per Kilo	
N1530A	15%	Tan	3.0	750	Per Stick	
N3415	34%	Green	1.5	750	Per Kilo	
N3415A	34%	Green	1.5	750	Per Stick	
N5515	55%	Dark Green	1.5	750	Per Kilo	
N5515A	55%	Dark Green	1.5	750	Per Stick	
N5530	55%	Dark Green	3.0	750	Per Kilo	
N5530A	55%	Dark Green	3.0	750	Per Stick	


5% Silver (Silver Tip)

Suitable for copper to copper and copper alloys. No flux required for copper to copper. Use flux for copper alloys. Cadmium free.

15% Silver (Tan Tip)

Suitable for copper to copper and copper alloys, giving excellent ductility for high stressed joints.

No flux required for copper to copper. Use flux for copper alloys. Cadmium free.

34% Silver (Green)

GP alloy for general engineering metals giving excellent fluidity with excellent gap filling qualities. Flux should be used. Cadmium free.

55% Silver (Dark Green Tip)

Excellent alloy, giving high strength with excellent capillary action. Good ability to fill fine gaps. Cadmium free.

Realcold recommends the use of General Purpose Flux, N5020, when brazing non-ferrous metals.

COIL & FILTER CLEANERS

EVAPORATOR COIL CLEANER - SELF RINSING

A clean evaporator is the first step in ensuring maximum efficiency. Greenleaf Evaporator Coil Cleaner is a safe, biodegradable alkaline self rinsing coil cleaner. It has a safe, non acidic formula which can be used indoors.

NZ Food Safety Approved C101.

Stock No.	Description	Pack Size (Litre)	Price \$ Excl. GST
N0727	Evaporator Coil Cleaner in spray bottle	1.0	
N0728	Evaporator Coil Cleaner	5.0	
N0729	Evaporator Coil Cleaner	20.0	



CONDENSER COIL CLEANER - NON ACIDIC

Penetrating non-acidic foaming action lifts and pushes contaminants and oxide off coils, including stubborn grease, tars and dirt, so that they can be rinsed away with water.

Stock No.	Description	Pack Size (Litre)	Price \$ Excl. GST
N0707	Foam Brite Condenser Cleaner	1.0	
N0708	Foam Brite Condenser Cleaner	5.0	



COIL CLEANER - CLEAN-N-SAFE

A non-acid, non-caustic, non-corrosive evaporator and condenser coil cleaner. It is completely biodegradable. Unlike strong acid and alkaline coil cleaners, this heavy duty product will not chemically attack (corrode) coils, surrounding metal, other HVAC equipment components.

Stock No.	Description	Pack Size	Price \$ Excl. GST
N0721	Clean-N-Safe™ Aerosol spray can	568 gm	



INTERNAL COIL SYSTEM CLEANER CF-20

Environmentally safe, biodegradable interior coil cleaner for refrigeration and air conditioning systems. To clean interior coils after a compressor failure or burn-out and to remove mineral oil residue in preparation for retrofitting.

Stock No.	Description	Pack Size (Litre)	Price \$ Excl. GST
N0820	CF-20 Internal Coil System Cleaner	3.8L	



AIR FILTER CLEANER

Deodorizer and disinfectant for ducts, coils, air filtering equipment and most other hard surfaces. Kills disease causing bacteria, as well as mould, fungi, and mildew. Helps cure bad odours, and Sick Building Syndrome reactions of sensitive people.

Stock No.	Description	Pack Size (Litre)	Price \$ Excl. GST
N0748	Washable Air Filter Cleaner - Biodegradable	1.0	
N0749	Washable Air Filter Cleaner - Biodegradable	5.0	
N0750	Washable Air Filter Cleaner - Biodegradable	20.0	



CLEANERS & DISINFECTANTS

ALL PURPOSE CLEANER & DEGREASER

A powerful all purpose cleaner & degreaser, with the added cleaning, deodorising and disinfecting power of natural eucalyptus oil. Sold as a concentrate.

NZ Food Safety approved.

Stock No.	Description	Size (Litre)	Price \$ Excl. GST
N0752	Eucalyptus All Purpose Cleaner - NZ Food Safety approved	1.0	
N0753	Eucalyptus All Purpose Cleaner - NZ Food Safety approved	5.0	
N0754	Eucalyptus All Purpose Cleaner - NZ Food Safety approved	20.0	



COIL & DUCT DISINFECTANT

An all in one spray that disinfects all surfaces, whilst also deodorising. A blend of Deodoriser and EPA Registered Hospital Grade QUAT Disinfectant kills a wide range of pathogens and sodium hypochlorite to kill legionella pneumophila, and most air borne pneumonia bacteria. Safe to use on all surfaces and leaves a long lasting pleasant deodorising fragrance.

Stock No.	Description	Size (Litre)	Price \$ Excl. GST
N0746	Coil & Duct Disinfectant - EPA registered	1.0	
N0747	Coil & Duct Disinfectant - EPA registered	5.0	
N0745	Coil & Duct Disinfectant - EPA registered	20.0	



ICE MACHINE CLEANER - NICKEL SAFE

Biodegradable cleaner, specially formulated for removing scale deposits from ice machines with nickel or tin plated evaporators. Has maximum scale removing power, and increases ice machine efficiency. Easy to use whilst providing a thoroughly clean machine. Sold as a concentrate.

Stock No.	Description	Size (Litre)	Price \$ Excl. GST
N0712	Ice Machine Cleaner - Environmentally friendly	1.0	
N0713	Ice Machine Cleaner - Environmentally friendly	5.0	



DIRT BLASTER

High pressure cleaner- degreaser for filters, motors, relays, small condensers, etc. Blasts off dirt and grease without a rinse. Quick drying. High dielectric strength. Non-Flammable.

Stock No.	Description	Size (Litre)	Price \$ Excl. GST
N0734	KO Dirt Blaster - Aerosol	568 gm	



LEAK DETECTION & TREATMENTS

LIQUID LEAK DETECTION

Cal-Blue products are the complete gas leak detector. Not only do they detect the smallest leak, they also provides other significant benefits. The high viscosity formula provides long lasting bubbles, and enables the product to remain in contact with the applied surface for an extended period of time, thereby allowing the smallest of leaks to be detected.

Stock No.	Description	Size (Litre)	Price \$ Excl. GST
T0440	Cal Blue Plus Leak Detector - with spray applicator	0.95 L	
T0442	Cal Blue Plus Leak Detector	3.8 L	



COIL PROTECTANT

Designed to protect coils and cabinets from corrosion. Ideally used in coastal areas, where salt air accelerated rust and decay. Dries quickly & resists salt spray no affect on heat transfer. Blue tinted product.

Stock No.	Description	Size (ml)	Price \$ Excl. GST
N0062	Coil protectant aerosol - blue tinted	600	
N0900	Coil protectant aerosol - Eurocoat 8	400	



WATER TREATMENT

Treatments for condensate drain line protection. Eliminates or prevents most blockages in air conditioning and refrigeration drain lines due to the build up of bacterial slime, rust, scale, sludge, air-borne dust, silt and other solids.

Stock No.	Description	Size	Price \$ Excl. GST
N0703	Actabs - Self-dispensing pack of 6 - EPA Registered formula	6 Tablets	
N0704	Actabs JR - approx. 200 tabs. - EPA Registered formula	400 g	
T0956	Gel-clear FC-22 condensate fan coil tablet. A simple, effective solution to keeping condensate drains working. One year tablet	1 Tablet	
T0957	Gel-clear AC-03 condensate drain micro-tablets. Effective for 3 months. 6 Micro-tablets	6 Micro-Tabs	
T0955	Gel-clear QP34 condensate drain tablet. Effective for 12 months. 1 tablet.	1 Tablet	
T0955-10	Gel-clear QP34-10 condensate drain tablets. 1 Tablet effective for 12 months. 10 tablet tube.	10 Tablets	
T0959	Gel-clear TSG18 green condensate drain strips. Effective for 6 months. Gel-clear green strips kill airborne and waterborne microbes, leaving a fresh pleasant smell.	Drainstrip	
T0958	Gel-clear DTD250 Condensate UV drain dye. Concentrate and able to treat 1,000 litres of water.		



ACID NEUTRALISER

A unique chemical treatment for use in air conditioning and refrigeration systems that have experienced a burnout or operating systems that are showing a build-up of acid content.

Stock No.	Description	Size	Price \$ Excl. GST
N0808	Acid-Away® for Polyolester Oils	118 ml	



ACID TEST KITS

Oil should be tested immediately after removal from unit.

Stock No.	Description	Size	Price \$ Excl. GST
T0117	ETK Refrigeration Oil Acid Test Kit - Polyolester Oil	118 ml	
T0118	TKO Refrigeration Oil Acid Test Kit - Mineral and Alkyl benzene oil	118 ml	





KIRBY HERMETIC COMPRESSORS

R513A / R134a - MEDIUM TEMP

Stock No.	Model	Disp. (cc)	Nom. Capacity (Watts)		Motor Type	RLA (A)	Height (mm)	Connections (inch)		Nom. HP	Price \$ Excl. GST
			R513A	R134a				Suct.	Disch.		
			-5°C	-5°C							
220-240/1/50 - Single Phase											
C3512	BA8LMY-KS	7.6	425	405	RSIR	1.8	193	5/16	1/4	1/5	
C3515	BA9MHY-KS	8.9	483	460	CSIR	2.6	193	5/16	1/4	1/4	
C3516	BA12LMY-1KS	12.0	635	605	CSIR	2.9	203	3/8	1/4	1/4	
C3518	BA14LMY-1KS	14.1	746	710	CSIR	4.0	215	3/8	1/4	1/3	
C3520	BA16LMY-1KS	16.1	898	855	CSR	3.0	215	3/8	1/4	3/8	
C3521	BA16LZ-1KS	16.1	919	875	CSR	2.4	215	3/8	1/4	3/8	
C3523	BA18LZ-1KS	18.0	992	945	CSR	3.5	215	3/8	1/4	1/2	
C3610	WJ22LZ-1C	21.5	1181	1125	CSR	4.1	275	1/2 SV	3/8	5/8	
C3612	WJ26LZ-3C	26.7	1444	1375	CSR	4.6	275	1/2 SV	3/8	3/4	
C3614	WJ31LZ-1C	30.5	1670	1590	CSR	5.5	275	5/8 SV	3/8	1.0	
C3411	AW40LZ-1C	39.6	2090	1990	CSR	4.6	305	5/8 SV	3/8	1.0	
C3412	AW43LZ-5C	43.1	2384	2270	CSR	5.8	305	5/8 SV	3/8	1.0	
C3415	AW48MHY-3C	48.4	2594	2470	CSR	8.2	305	7/8 SV	1/2 SV	1-1/2	
C3416	AW54LZ-1C	53.5	3050	2905	CSR	7.8	305	5/8 SV	1/2 SV	1-1/2	

Notes:

1. Test Condition: ASHRAE-T Standard
2. Nominal ratings are based upon: 55°C Condensing Temp
3. Compressor service port connection types vary for different model
SV = Solder connection Rotalock Valve where specified
4. All hermetic compressors are offered as service packs and include feet mounting kit, electrical components and rotalock service valve where nominated
5. Low start torque compressors (i.e. with RSIR motors) require capillary refrigerant control
6. High start torque compressors (i.e. with CSIR or CSR motors) can be used with capillary or TX Valve control
7. Crankcase heaters available, please order separately

Motor Types:

- RSIR: Resistance Start, Induction Run
 - CSIR: Capacitor Start, Induction Run
 - CSR: Capacitor Start and Run
- } 1 Phase, 50 Hz, 220-240 Volt


KIRBY HERMETIC COMPRESSORS
R407C / R449A / R404A - MEDIUM TEMP

Stock No.	Model	Disp. (cc)	Nom. Capacity (Watts)		Motor Type	RLA (A)	Height (mm)	Connections (inch)		Nom. HP	Price \$ Excl. GST
			R407C					Suct.	Disch.		
			-5°C	+5°C							
220-240/1/50 - Single Phase											
C3510	BA5MHG-1KS	4.5	340	505	RSIR	1.7	193	5/16	1/4	1/5	
C3511	BA6MHG-1KS	5.5	407	590	CSIR	2.8	193	5/16	1/4	1/4	
C3513	BA8MG-1KS	7.6	580	870	CSIR	2.8	193	1/4	3/16	1/4	
C3514	BA9MG-1KS	8.9	705	1030	CSIR	3.2	205	3/8	1/4	1/3	
C3517	BA12MG-1KS	12.0	1020	1440	CSR	2.8	215	3/8	1/4	3/8	
C3519	BA14MG-1KS	14.1	1230	1800	CSR	3.4	215	3/8	1/4	1/2	
C3522	BA16MG-4KS	16.1	1390	2060	CSR	3.0	215	3/8	1/4	3/4	
C3524	BA18MG-1KS	18.0	1530	2250	CSR	4.4	215	3/8	1/4	7/8	
C3611	WJ22MHG-1C	21.5	1920	2920	CSR	5.6	275	1/2 SV	3/8	1.0	
C3613	WJ26MHG-3C	26.8	2430	3540	CSR	7.0	275	1/2 SV	3/8	1-1/4	
C3615	WJ31MHG-1C	30.5	2680	4000	CSR	7.9	275	5/8 SV	3/8	1-1/2	
C3410	AW38MG-1C	37.5	2860	4519	CSR	7.9	310	5/8 SV	3/8	1-1/2	
C3413	AW43MHG-1C	43.1	3600	5490	CSR	9.6	340	5/8 SV	3/8	2.0	
C3414	AW48MHG-1C	48.4	3980	6210	CSR	11.2	340	5/8 SV	3/8	2-1/2	
C3417	AW54MHG-3C	53.5	4508	7109	CSR	12.5	340	5/8 SV	3/8	2-1/2	

Notes:

1. Test Condition: ASHRAE-T Standard
2. Nominal ratings are based upon: 55°C Condensing Temp
3. Compressor service port connection types vary for different model
SV = Solder connection Rotalock Valve where specified
4. All hermetic compressors are offered as service packs and include feet mounting kit, electrical components and rotalock service valve where nominated
5. Low start torque compressors (i.e. with RSIR motors) require capillary refrigerant control
6. High start torque compressors (i.e. with CSIR or CSR motors) can be used with capillary or TX Valve control
7. Crankcase heaters available, please order separately

Motor Types:

- RSIR: Resistance Start, Induction Run
 - CSIR: Capacitor Start, Induction Run
 - CSR: Capacitor Start and Run
- } 1 Phase, 50 Hz, 220-240 Volt



KIRBY HERMETIC COMPRESSORS

R449A / R404A - LOW TEMP

Stock No.	Model	Disp. (cc)	Nom. Capacity (Watts)				Motor Type	RLA (A)	Height (mm)	Connections (inch)		Nom. HP	Price \$ Excl. GST
			R449A		R404A					Suct.	Disch.		
			-25°C	-15°C	-25°C	-15°C							
220-240/1/50 - Single Phase													
C3513	BA8MG-1KS	7.6	255	452	295	490	CSIR	2.6	193	1/4	3/16	1/4	
C3516	BA12LMY-1KS	12.0	381	687	440	745	CSIR	2.8	203	3/8	1/4	1/3	
C3520	BA16LMY-1KS	16.1	536	945	620	1025	CSR	2.8	215	3/8	1/4	3/8	
C3521	BA16LZ-1KS	16.1	549	968	635	1050	CSR	2.4	215	3/8	1/4	3/8	
C3523	BA18LZ-1KS	18.0	623	1088	720	1180	CSR	3.5	215	3/8	1/4	1/2	
C3610	WJ22LZ-1C	21.5	701	1374	810	1490	CSR	3.3	266	1/2	3/8	3/4	
C3612	WJ26LZ-3C	26.8	856	1706	990	1850	CSR	4.8	266	1/2	3/8	7/8	
C3614	WJ31LZ-1C	30.5	1021	1964	1180	2130	CSR	5.5	266	1/2	3/8	1.0	
C3411	AW40LZ-1C	39.6	1146	2388	1325	2590	CSR	4.7	305	5/8 SV	5/16	1.0	
C3412	AW43LZ-5C	43.1	1332	2665	1540	2890	CSR	5.8	305	5/8 SV	5/16	1-1/4	
C3416	AW54LZ-1C	53.5	1661	3375	1920	3660	CSR	7.8	340	5/8 SV	5/16	1-1/2	

Notes:

1. Test Condition: ASHRAE-T Standard
2. Nominal ratings are based upon: 55°C Condensing Temp
3. Compressor service port connection types vary for different model
SV = Solder connection Rotalock Valve where specified
4. All hermetic compressors are offered as service packs and include feet mounting kit, electrical components and rotalock service valve where nominated
5. Low start torque compressors (i.e. with RSIR motors) require capillary refrigerant control
6. High start torque compressors (i.e. with CSIR or CSR motors) can be used with capillary or TX Valve control
7. Crankcase heaters available, please order separately

Motor Types:

- RSIR: Resistance Start, Induction Run
 - CSIR: Capacitor Start, Induction Run
 - CSR: Capacitor Start and Run
- } 1 Phase, 50 Hz, 220-240 Volt


KIRBY BA SERIES HERMETIC COMPRESSOR - ELECTRICAL SPARE PARTS

Model	Description	BA5MHG-1KS	BA6MHG-1KS	BA8MG-1KS	BA9MG-1KS	BA9MHY-1KS	BA12MG-1KS	BA14MG-1KS	BA16MG-4KS	BA18MG-1KS	BA8LMY-1KS	BA12LMY-1KS	BA14LMY-1KS	BA16LMY-1KS	BA16LZ-1KS	BA18LZ-1KS
KME660-6/C	Overload	1									1					
KME660-8/C	Overload												1			
KME660-9/C	Overload					1										
KME660-10/C	Overload		1	1	1							1				
KME660-24/C	Overload						1	1						1		
KME660-41/C	Overload														1	
KME664-3/C	Overload									1						1
KME671-6/C	Overload								1							
KME680-4	Relay	1									1					
KME682-1	Relay						1	1						1		
KME684-1	Relay		1	1	1							1	1			
KME684-2	Relay					1										
KME692-1	Relay														1	1
RVA6M6D	Relay								1							
RVA8R6D	Relay									1						
92A047B330BD4X	Start Capacitor 43-52 µF 330 VAC		1	1	1	1	1	1	1	1		1	1	1	1	1
AI7A080L6T	Run Capacitor 8 µF 450 VAC						1							1		
AI7A100L6T	Run Capacitor 10 µF 450 VAC														1	
AI7A120N6T	Run Capacitor 12 µF 450 VAC							1								
AI7A150N6T	Run Capacitor 15 µF 450 VAC								1							
AI7A200N7T	Run Capacitor 20 µF 450 VAC									1						1


KIRBY WJ SERIES HERMETIC COMPRESSOR - ELECTRICAL SPARE PARTS

Model	Description	WJ22LZ-1C	WJ26LZ-3C	WJ31LZ-1C	WJ22MHG-1C	WJ26MHG-3C	WJ31MHG-1C
KME660-19/C	Overload	1					
KME664-15/C	Overload		1	1	1		
KME664-17/C	Overload					1	1
RVA3H6D	Relay	1	1	1	1	1	1
92A088B330BD4X	Start Capacitor 88-106 µF 330 VAC				1		
92A108B250BD4X	Start Capacitor 108-130 µF 330 VAC	1					
92A145B250BD4X	Start Capacitor 145-174 µF 330 VAC		1	1		1	1
AI7A200N7T	Run Capacitor 20 µF 450 VAC	1			1		
AI7A250P7T	Run Capacitor 25 µF 450 VAC		1	1		1	1

KIRBY AW SERIES HERMETIC COMPRESSOR - ELECTRICAL SPARE PARTS

Model	Description	AW38MHG-1C	AW43MHG-1C	AW48MHG-1C	AW54MHG-3C	AW40LZ-1C	AW43LZ-5C	AW48MHY-3C	AW54LZ-1C
KGE681-4	Relay				1			1	
KME692-1	Relay	1				1			
RVA3H6D	Relay		1	1			1		1
92A108B250BD4X	Start Capacitor 108-130 µF 330 VAC		1	1	1				
92A120B330CE7X	Start Capacitor 124-149 µF 330 VAC	1				1	1	1	1
AI7A200N7T	Run Capacitor 20 µF 450 VAC	1				1		1	1
AI7A300P7T	Run Capacitor 30 µF 450 VAC						1		
AI7A350P9T	Run Capacitor 35 µF 450 VAC		1	1					
AI7A450R9T	Run Capacitor 45 µF 450 VAC				1				


TECUMSEH HERMETIC COMPRESSORS
R513A / R134a - MEDIUM TEMP

Stock No.	Model	Disp. (cc)	Nom. Capacity (Watts)		Motor Type	RLA (A)	Height (mm)	Connections (inch)		Nom. HP	Price \$ Excl. GST
			R513A	R134a				Suct.	Disch.		
			-5°C	-5°C							
220-240/1/50 - Single Phase											
C0511	THB4415Y-FZ	4.2	-	233	CSIR	1.6	170	1/4	3/16	1/8	
C0512	THB4419Y-FZ	5.2	-	272	CSIR	1.8	173	1/4	3/16	1/6	
C0518-AE2	AE4425Y-FZ	6.7	-	380	CSIR	2.4	200	1/4	3/16	1/5	
C0525-AE2	AE4430Y-FZ	8.0	-	488	CSIR	3.1	200	1/4	3/16	1/4	
C0535-AE2	AE4440Y-FZ	10.3	-	637	CSIR	3.7	200	5/16	1/4	1/3	
C0536-AE2	AE4450Y-FZ	13.2	-	843	CSIR	5.1	211	3/8	1/4	3/8	
C0537-AE2	AE4456Y-FZ	14.5	-	921	CSIR	5.2	211	3/8	1/4	1/2	
C0550	CAJ4461Y-FZ	18.3	1027	977	CSIR	5.9	268	1/2	1/4	1/2+	
C0575	CAJ4492Y-FZ	25.9	1528	1452	CSIR	8.9	280	1/2	5/16	3/4	
C0590	CAJ4511Y-FZ	32.7	2012	1913	CSR	8.6	280	5/8	5/16	1.0	
C0593	FH4518Y	53.2	2814	2680	CSR	11.2	348	5/8	1/2	1-1/2	
C0595	FH4525Y	74.3	4177	3977	CSR	15.2	354	5/8	1/2	2.0	
380-420/3/50 - Three Phase											
C0594	TFH4518Y	53.2	2833	2697	3Ø	4.2	372	5/8	1/2	1-1/2	
C0596	TFH4525Y	74.3	4021	3828	3Ø	6.7	372	5/8	1/2	2.0	

Components
R134a - LOW TEMP

Stock No.	Model	Disp. (cc)	Nom. Capacity (Watts)		Motor Type	MOC (amps)	Height (mm)	Connections (inch)		Nom. HP	Price \$ Excl. GST
			R134a					Suct.	Disch.		
			-25°C	-5°C							
220-240/1/50 - Single Phase											
C0508	THG1365YGS	5.9	150	256	RSIR	3.0	172	1/4	3/16	1/5	
C0522	AEZ2410Y	9.4	219	363	CSIR	4.9	199	5/16	1/4	1/4	

Notes:

1. Test Condition: EN12900
2. Nominal ratings are based upon: 45°C Condensing, 20K Suction Superheat, 0K Liquid Sub-cooling

Motor Types:

- RSIR: Resistance Start, Induction Run
 - CSIR: Capacitor Start, Induction Run
 - CSR: Capacitor Start and Run
 - 3Ø: 3 phase, 50 Hz, 380-420 volt
- } 1 Phase, 50 Hz, 220-240 Volt


TECUMSEH HERMETIC COMPRESSORS
R449A / R404A - MEDIUM TEMP

Stock No.	Model	Disp. (cc)	Nom. Capacity (Watts)				Motor Type	RLA (A)	Height (mm)	Connections (inch)		Nom. HP	Price \$ Excl. GST
			R449A		R404A					Suct.	Disch.		
			-5°C	+5°C	-5°C	+5°C							
220-240/1/50 - Single Phase													
C7012-AE2	AE4430Z-FZ	5.2	473	728	500	740	CSIR	2.9	200	1/4	3/16	1/4	
C7014-AE2	AE4440Z-FZ	6.7	639	983	676	1000	CSIR	3.7	200	1/4	3/16	1/3	
C7016-AE2	AE4450Z-FZ	8.8	837	1267	885	1289	CSIR	5.1	200	1/4	3/16	3/8	
C7020-AE2	AE4460Z-FZ	10.3	1004	1494	1062	1519	CSIR	5.9	211	3/8	1/4	1/2	
C7021-AE2	AE4470Z-FZ	12.0	1183	1743	1251	1773	CSR	5.3	211	3/8	1/4	3/4	
C7022	CAJ9480Z-FZ	15.2	1356	2082	1434	2117	CSR	6.7	268	1/2	5/16	5/8	
C7030	CAJ9510Z-FZ	18.3	1696	2595	1794	2639	CSR	8.4	280	5/8	5/16	1.0	
C7036	CAJ4517Z-FZ	25.9	2412	3675	2552	3736	CSR	12.7	280	5/8	3/8	1-1/4	
C7038	CAJ4519Z-FZ	34.5	3160	4815	3342	4896	CSR	15.2	280	5/8	3/8	1-1/2	
C7040	FH4524Z-FZ	43.5	3660	5786	3872	5883	CSR	18.1	354	5/8	1/2	2.0	
C7042	FH4531Z-FZ	56.6	4839	7393	5119	7517	CSR	22.4	370	7/8	1/2	2-1/2	
380-420/3/50 - Three Phase													
C7058	TFH4540Z	74.2	6086	9315	6437	9466	3Ø	9.2	370	7/8	1/2	3.0	
C7064P	TAGP4546Z	90.2	6732	11121	7122	11307	3Ø	12.1	370	7/8	5/8	4.0	
C7070P	TAGP4553Z	100.7	7622	12475	8062	12684	3Ø	14.0	381	7/8	5/8	4-1/2	
C7074P	TAGP4561Z	112.5	8586	13768	9082	13998	3Ø	15.3	381	1.1/8	5/8	5.0	
C7082P	TAGP4573Z	134.8	10879	17066	11508	17351	3Ø	19.0	393	1.1/8	5/8	6-1/2	

Notes:

1. Test Condition: EN12900

2. Nominal ratings are based upon: 45°C Condensing, 20K Suction Superheat, 0K Liquid Sub-cooling

Motor Types:

- RSIR: Resistance Start, Induction Run
- CSIR: Capacitor Start, Induction Run
- CSR: Capacitor Start and Run
- 3Ø: 3 phase, 50 Hz, 380-420 volt

} 1 Phase, 50 Hz, 220-240 Volt


TECUMSEH HERMETIC COMPRESSORS
R449A / R404A - LOW TEMP

Stock No.	Model	Disp. (cc)	Nom. Capacity (Watts)				Motor Type	RLA (A)	Height (mm)	Connections (inch)		Nom. HP	Price \$ Excl. GST
			R449A		R404A					Suct.	Disch.		
			-25°C	-10°C	-25°C	-10°C							
220-240/1/50 - Single Phase													
C0532-AE2	AE2415Z-FZ	7.3	264	571	305	599	CSIR	3.0	211	1/4	3/16	3/8	
C0551-AE2	AE2420Z-FZ	9.4	337	742	390	779	CSIR	4.4	211	3/8	1/4	1/2	
C0554	AE2425Z-FZ	12.0	447	954	517	1001	CSR	4.2	211	3/8	1/4	5/8	
C0573	CAJ2432Z-FZ	18.3	569	1348	657	1415	CSR	5.9	268	1/2	5/16	3/4	
C0580	CAJ2446Z-FZ	26.2	870	1925	1005	2020	CSR	9.3	280	1/2	5/16	1.0	
C0592	CAJ2464Z-FZ	34.5	1128	2485	1303	2608	CSR	13.0	280	5/8	3/8	1-1/2	
C0599	FH2480Z	53.2	1656	3758	1912	3939	CSR	16.0	370	5/8	1/2	2.0	
C0600	FH2511Z	74.2	2219	5121	2564	5369	CSR	24.0	370	5/8	1/2	2.5	
380-420/3/50 - Three Phase													
C7120	TFH2480Z	53.2	1615	3547	1865	3725	3Ø	6.3	354	5/8	1/2	2.0	
C7122P	TFHP2511Z	74.2	2188	5182	2528	5450	3Ø	7.2	354	5/8	1/2	2.5	
C7126P	TAGP2516Z	112.5	2979	7423	3440	7795	3Ø	9.5	370	7/8	5/8	4.0	
C7128P	TAGP2522Z	134.8	3904	9304	4509	9779	3	13.4	393	1-1/8	5/8	5.0	

Notes:

1. Test Condition: EN12900
2. Nominal ratings are based upon: 45°C Condensing, 20K Suction Superheat, 0K Liquid Sub-cooling

Motor Types:

- RSIR: Resistance Start, Induction Run
 - CSIR: Capacitor Start, Induction Run
 - CSR: Capacitor Start and Run
 - 3Ø: 3 phase, 50 Hz, 380-420 volt
- } 1 Phase, 50 Hz, 220-240 Volt


TECUMSEH COMPRESSOR ELECTRICAL SPARES
MEDIUM TEMP R134A

Stock No.	Compressor	Relay		Overload		Capacitor Start		Capacitor Run
C0504	AZ3414Y	C1010	CTP MSDAI	C1527	MRP390HZ-3007	n/a		n/a
C0505	AZ4419Y	C1012	MTRP-0140-31	C1527	MRP390HZ-3007	C2030	88 uf/260V	n/a
C0525	AEZ4430Y	C1080	9660-B467-138	C1543	MRP61AMK-3240	C2000	50 uf/260V	n/a
C0525-AE2	AE4430Y-FZ1A	C1224	RP4238	C1689	T14526-23	C2094	47-56uF / 250V	n/a
C0535	CAE4440Y	C1047	MTRP0012-31	C1523	MRP380AMK-3240	C2022	72 uf/260V	n/a
C0535-AE2	AE4440Y-FZ1A	C1229	RP4838	C1690	T1411-23	C2095	88-108uF / 330V	n/a
C0536	CAE4448Y	C1047	MTRP0012-31	C1560	MRP36AMHD-3240	C2010	64 uf/260V	n/a
C0536-AE2	AE4450Y-FZ1C	C1221	RP5038	C1686	T14119-23	C2089	88-108uF / 250V	n/a
C0537	CAE4456Y	C1049	MTRP0030-31	C1607	T0691-A0	C2010	64 uf/260V	n/a
C0537-AE2	AE4456Y-FZ1C	C1222	MTRP0030-31	C1687	MSP28APW-5587	C2090	64-77uF / 250V	n/a
C0538	CAJ4452Y	C1205	3ARR18A-44B	C1582	MRT26ALKD-3242	C2010	64 uf/260V	n/a
C0550	CAJ4461Y	C1205	3ARR18A-44B	C1581	MRT24ALK-3242	C2010	64 uf/260V	n/a
C0575	CAJ4492Y	C1160	3ARRA18A-98B	C1616	MRT24AJN-3242	C2010	64 uf/260V	n/a
C0590	CAJ4511Y	C1155	3ARR3-U10AA3	C1585	MRT00AJK-3241	C2039	100 uf/330V	C2050 15 uf/400V
C0593	FH4518Y	C1190	3ARR3 W10AS3	Internal		C2030	88 uf/260V	C2070 25 uf/400V
C0595	FH4525Y	C1125	3ARR3 T6AV3	Internal		C2039	100 uf/330V	C2085 30 uf/400V

LOW TEMP R134A

Stock No.	Compressor	Relay		Overload		Capacitor Start		Capacitor Run
C0501	AZ1335Y	C1010	CTP MSDAI	C1601	MRP 419HZ-3240	n/a		n/a
C0502	AZ1339Y	C1010	CTP MSDAI	C1601	MRP 419HZ-3240	n/a		n/a
C0503	AEZ1358Y	C1010	CTP MSDAI	C1527	MRP390HZ-3007	n/a		n/a
C0522	AEZ2380Y	C1045	MTRP0027-31	C1505	MRP59AMHD-3240	C2000	50 uf/260V	n/a
C0530	CAE2410Y	C1045	MTRP0027-31	C1550	MRT39AMHD-3240	C2000	50 uf/260V	n/a
C0534	CAE2412Y	C1045	MTRP0027-31	C1550	MRT39AMHD-3240	C2000	50 uf/260V	n/a


TECUMSEH COMPRESSOR ELECTRICAL SPARES
MEDIUM TEMP R404A

Stock No.	Compressor	Relay		Overload		Capacitor Start		Capacitor Run	
C7010	AEZ4425Z	C1043	MTRP0037-31	C1591	MRP63AMK-3240	C2000	50 uf/260V	n/a	
C7012	AEZ4430Z	C1045	MTRP0027-31	C1504	MRP56AMK-3240	C2000	50 uf/260V	n/a	
C7012-AE2	AE4430Z-FZ1A	C1225	RP4038	C1689	T14526-23	C2092	64-77uF / 330V	n/a	
C7013	AEZ4440Z	C1049	MTRP0030-31	C1672	MST58AMN-3240	C2038	100 uf/260V	n/a	
C7014	AEZ9440Z	C1153	3ARR3-T3AB3	C1535	MSP61AMK-3242	C2000	50 uf/260V	C2005	7.5 uf/400V
C7014-AE2	AE4440Z-FZ1A	C1226	RP4538	C1690	T1411-23	C2093	108-130uF / 330V	n/a	
C7015	AEZ4450Z	C1027	9660-A467-158	C1587	MRT28AMK-3240	C2000	50 uf/260V	n/a	
C7016	CAE9450Z	C1154	RVA4L3D	C1670	MST36AMHD-3242	C2000	50 uf/260V	C2005	7.5 uf/400V
C7016-AE2	AE4450Z-FZ1A	C1227	RP4938	C1691	T1419-23	C2089	88-108uF / 250V	n/a	
C7020	CAE9460Z	C1155	3ARR3-U10AA3	C1578	MST28AMK-3242	C2000	50 uf/260V	C2005	7.5 uf/400V
C7020-AE2	AE4460Z-FZ1C	C1228	RP5418	C1692	T8107-23	C2092	64-77uF / 330V	n/a	
C7021	CAE9470Z	C1154	RVA4L3D	C1667	MST22APK-3242	C2010	64 uf/260V	C2050	15 uf/400V
C7022	CAJ9480Z	C1210	3ARR3-U10AU3	C1581	MRT24ALK-3242	C2037	88 uf/330V	C2050	15 uf/400V
C7030	CAJ9510Z	n/a		C1675	MST00ALKD-3241	C2039	100 uf/330V	C2050	15 uf/400V
C7032	CAJ9513Z	C1148	3ARR3T6AY3	C1651	MST18AIW-3242	C2030	88 uf/260V	C2050	15 uf/400V
C7036	CAJ4517Z	C1125	3ARR3 T6AV3	C1680	MST16AGZ-3242	C2039	100 uf/330V	C2061	17.5 uf/400V
C7038	CAJ4519Z	C1190	3ARR3 W10AS3	C1685	CST00AHSF-3038	C2038	100 uf/260V	C2088	35 uf/400V
C7039	FH4522Z	C1126	RVA4I3R	Internal		C2042	125 uf/330V	C2085	30 uf/400V
C7040	FH4524Z	C1148	3ARR3T6AY3	Internal		C2039	100 uf/330V	C2085	30 uf/400V
C7042	FH4531Z	n/a		Internal		C2046	156 uf/330V	C2088	35 uf/400V

LOW TEMP R404A

Stock No.	Compressor	Relay		Overload		Capacitor Start		Capacitor Run	
C0532	AEZ2415Z	C1053	MTRP49-31	C1504	MRP56AMK-3240	C2000	50 uf/260V	n/a	
C0532-AE2	AE2415Z-FZ1A	C1230	RP4018	C1694	T4111-23	C2091	72-88uF / 330V	n/a	
C0545	CAE2417Z	C1156	3ARR3-U3AU3	C1504	MRP56AMK-3240	C2000	50 uf/260V	C2005	7.5 uf/400V
C0551	CAE2420Z	C1049	MTRP0030-31	C1578	MST28AMK-3242	C2010	64 uf/260V	n/a	
C0554	CAE2424Z	C1156	3ARR3-U3AU3	C1578	MST28AMK-3242	C2010	64 uf/260V	C2050	15 uf/400V
C0555	CAJ2428Z	C1150	3ARR18A-101B	C1630	MRT16APK-3242	C2037	88 uf/330V	n/a	
C0573	CAJ2432Z	C1157	3ARR3-U10AD3	C1580	MRT20ALKD-3242	C2037	88 uf/330V	C2050	15 uf/400V
C0580	CAJ2446Z	C1140	3ARR3-U10AB3	C1580	MRT20ALKD-3242	C2037	88 uf/330V	C2050	15 uf/400V
C0592	CAJ2464Z	C1155	3ARR3-U10AA3	C1583	MRT00AJZ-3241	C2037	88 uf/330V	C2060	20 uf/400V
C0599	FH2480Z	C1128	RVA4Q3D	Internal		C2046	156 uf/330V	C2070	25 uf/400V


CRANKCASE HEATERS

Stock No.	Model	Description	Price \$ Excl. GST
C1001	CH101	54W 240 Volt Crankcase Heater Suitable for Tecumseh AH and TAH compressors Suitable for Kirby AH, AG and CL compressors	
C1005	8583035	27W 240 Volt Crankcase Heater Suitable for Tecumseh FH, TFH & TAG Series	

ROTALOCK VALVES - TECUMSEH RECEIVERS

Stock No.	Model	Conn.	Tube Size OD.	Description	Price \$ Excl. GST
C1922	8683063	3/4"-16	1/4"	Rotalock Valve	
C1923	6683053	3/4"-16	3/8"	Rotalock Valve	
C1908	8683060	1"-14	1/4"	Rotalock Valve	
C1909	6683053	1"-14	3/8"	Rotalock Valve	

ROTALOCK VALVES - TECUMSEH COMPRESSORS

Stock No.	Conn.	Tube Size OD.	Suits - Suction on these compressors		Suits - Discharge on these compressors		Price \$ Excl. GST
C1911	1"-14	1/2"	CAJ2446Z CAJ4492Y	CAJ4416Y CAJ9480Z	TFH4524Z (T)FH2480Z FH4525Y (T)FH4513Z	TFH4540Z FH2511Z FH4518Y TFH2511Z	
C1912	1"-14	5/8"	CAJ2464Z CAJ4517Z CAJ9510Z	CAJ4511Y CAJ4519Z CAJ9513Z	-	-	
C1913	1-1/4"-12	5/8"	(T)FH2480Z FH4518Y FH4525Y	(T)FH2511Z (T)FH4524Z (T)	TAG2516Z TAG4553Z TAG4573Z	TAG2522Z TAG4561Z	
C1916	1-1/4"-12	7/8"	(T)FH4531Z TAG4553Z	TAG2516Z TFH4540Z	-	-	

TEFLON SEALS

Stock No.	Model	Description	Price \$ Excl. GST
H1103	800-26XX-12	3/4" Teflon Fibre Seal	
H1104	800-26XX-16	1" Teflon Fibre Seal	
H1105	800-26XX-20	1-1/4" Teflon Fibre Seal	
H1106	800-26XX-28	1-3/4" Teflon Fibre Seal	

SOLID STATE RELAYS

Stock No.	Model	Description	Comp. Size HP	Price \$ Excl. GST
C4000	ICG 220	220V Solid State Relay	1/12 to 1/2	
C4005	PO 230	230V Solid State Relay	1/12 to 1/2	
C4020	RO-82	230V Relay & Overload	1/12 to 1/8	
C4015	RO-62	220V Relay & Overload	1/6 to 1/5	
C4010	RO-42	220V Relay & Overload	1/4 to 1/3	
C4030	RCO-820	230V 3 n' 1 Start Relay	1/12 to 1/8	
C4035	RCO-620	230V 3 n' 1 Start Relay	1/6 to 1/5	
C4040	RCO-420	230V 3 n' 1 Start Relay	1/4 to 1/3	
C4050	SPP-5	Hard Start Kit contains relay and start capacitor for extra strating torque.	1/2 to 10	
C4062	APR-5	Universal Replacement Relay Operating voltage 110V-270V	Up to 5 HP	
C4026	URSC-20	230V Relay Start Capacitor	1/20 to 1/2	



Applications For Solid State Relays

ICG Series:

- One size for all compressors 1/12 through 1/2 HP.
- Will replace most current relays.
- Can be used with or without start capacitor.

PO Series:

- One size for all compressors 1/12 through 1/2 HP.
- Replaces all push-on current type relays.
- For use on compressors with "pin type" terminals.
- Can be used on all capacitor and non-capacitor start motors.
- Lowest resistance solid state relay.
- Will restart a balanced system within one minute.

RO Series:

- Relay and overload in one combination unit.
- Pre-wired for fast, simple installation.
- Superior locked rotor protection eliminates start winding overheating.
- Replaces all hermetic compressor relay and overload units 1/12 through 1/3 HP.
- Can be used in conjunction with a start capacitor.

RCO Series:

- The 3 n' 1 Start Relay replaces all three electrical components, Relay, Overload, and Start Capacitor on all capillary systems.
- Completely pre-wired.
- Installs quickly and easily, simply by pushing on 3 female pin terminals.

URSC Series:

- One size for all compressors 1/12 through 1/2 HP both domestic and commercial.
- A combined solid state starting relay and capacitor.
- Completely pre-wired.
- Replaces current type relays.
- Provides added boost for hard start and unbalanced systems.
- Prevents low voltage starting problems. (No additional wires required.)



BITZER SEMI-HERMETIC COMPRESSORS

The Ecoline compressors are designed for operation with "Low-GWP" HFO refrigerants and HFO/HFC blends. The compressors are compatible for operation with a frequency inverter (CE1 to CE2 from 30 to 70 Hz, CE3 to BE6 from 25 to 70 Hz). Thus the cooling capacity of the system can be adjusted exactly to the demand.



OCTAGON - ECOLINE SERIES

Stock No.	Model	Disp. (m3/hr)	No. of Cyls.	Motor	Series	Nom. Capacity (kW)					Nom. HP	Price \$ Excl. GST
						R449A		R404A		R134a		
						-25°C	-5°C	-25°C	-5°C	-5°C		
220-240/1/50 - Single Phase												
BZJ04-456	2JES-07YE	5.2	2	1Ø (E)	CE1	1.0	2.8	1.1	2.9	1.7	2/3	
BZJ04-458	2HES-2YE	6.5	2			1.3	3.6	1.5	3.8	2.3	2	
BZJ04-459	2GES-2YE	7.6	2			1.5	4.2	1.8	4.3	2.7	2	
BZJ04-460	2FES-2YE	9.5	2				5.4	2.2	5.4	3.4	2	
380-420/3/50 - Three Phase												
BZJ04-336	2KES-05Y-40S	4.1	2	3Ø (S) DOL Y/Δ	CE1	0.7	2.1	0.8	2.1	1.3	1/2	
BZJ04-337	2JES-07Y-40S	5.2	2			1.0	2.8	1.1	2.9	1.7	2/3	
BZJ04-338	2HES-1Y-40S	6.5	2			1.3	3.6	1.5	3.7	2.3	1	
BZJ04-339	2HES-2Y-40S	6.5	2			1.3	3.6	1.5	3.8	2.3	2	
BZJ04-340	2GES-2Y-40S	7.6	2			1.5	4.2	1.8	4.3	2.7	2	
BZJ04-347	2FES-2Y-40S	9.5	2			1.9	5.4	2.2	5.4	3.4	2	
BZJ04-348	2FES-3Y-40S	9.5	2			1.9	5.4	2.2	5.3	3.4	3	
BZJ04-341	2EES-2Y-40S	11.4	2		CE2	2.5	6.7	2.8	6.9	4.2	2	
BZJ04-342	2EES-3Y-40S	11.4	2			2.5	6.7	2.8	6.9	4.2	3	
BZJ04-343	2DES-2Y-40S	13.4	2			2.9	7.8	3.3	8.1	5.1	2	
BZJ04-344	2DES-3Y-40S	13.4	2			2.9	7.8	3.3	8.1	5.1	3	
BZJ04-345	2CES-3Y-40S	16.2	2			3.8	9.9	4.3	10.3	6.3	3	
BZJ04-346	2CES-4Y-40S	16.2	2			3.8	9.9	4.3	10.3	6.3	4	
BZJ04-351	4FES-3Y-40S	18.1	4		CE3	4.1	10.9	4.6	11.1	6.5	3	
BZJ04-352	4FES-5Y-40S	18.1	4			4.1	10.9	4.6	11.1	6.5	5	
BZJ04-353	4EES-4Y-40S	22.7	4			5.1	13.7	5.9	14.1	8.5	4	
BZJ04-354	4EES-6Y-40S	22.7	4			5.1	13.7	5.7	14.0	8.5	6	
BZJ04-355	4DES-5Y-40S	26.8	4			5.8	15.6	6.8	16.4	10.0	5	
BZJ04-356	4DES-7Y-40S	26.8	4			5.8	15.6	6.8	16.4	10.0	7	
BZJ04-357	4CES-6Y-40S	32.5	4	7.6		19.8	8.4	20.5	12.3	6		
BZJ04-358	4CES-9Y-40S	32.5	4	7.6		19.8	8.4	20.5	12.3	9		

Components

Notes:

- 1. Test Condition: EN12900
- 2. Nominal ratings are based upon: 45°C Condensing, 20K Suction Superheat, 0K Liquid Sub-cooling
- 3. Motor: 1Ø = E, 3Ø = (S) DOL
- S : Y/Δ = 380-420-3-50 Y / 220-240-3-50 Δ

Included With Compressor

- Start and Run capacitors (supplied loose) with 1Ø models
- Suction & Discharge valves
- 4 x Vibration dampers
- Crankcase heater
- Oil charge BSE-32 Ester Oil (Protective Charge)
- All 4 cylinder models supplied with one cylinder head

Explanation of model designation:

Example
4NES-20Y-40P
 Index for number of cylinders
4NES-20Y-40P
 Identification letter for bore x stroke
4NES-20Y-40P
 Identification letter for Ecoline series
4NES-20Y-40P
 Identification letter for centrifugal lubrication
4NES-20Y-40P
 Code for motor size
4NES-20Y-40P
 Identification letter for ester oil charge
4NES-20Y-40P
 Motor code

SEMI HERMETIC

BITZER SEMI-HERMETIC COMPRESSORS
ECOLINE SERIES

Stock No.	Model	Disp. (m3/hr)	No. of Cyls.	Motor	Series	Nom. Capacity (kW)					Nom. HP	Price \$ Excl. GST
						R449A		R404A		R134a		
						-25°C	-5°C	-25°C	-5°C	-5°C		
380-420/3/50 - Three Phase												
BZJ04-366	4VES-7Y-40P	34.7	4	3Ø (P) PW	CE4	7.3	20.5	8.2	21.3	13.0	7	
BZJ04-361	4VES-10Y-40P	34.7	4			7.3	20.5	8.3	21.3	12.7	10	
BZJ04-367	4TES-9Y-40P	41.3	4			9.1	24.9	10.3	25.8	15.8	9	
BZJ04-362	4TES-12Y-40P	41.3	4			9.1	24.9	10.2	25.8	15.4	12	
BZJ04-368	4PES-12Y-40P	48.5	4			9.9	28.3	11.3	29.6	17.9	12	
BZJ04-364	4PES-15Y-40P	48.5	4			9.9	28.3	11.2	29.4	17.5	15	
BZJ04-369	4NES-14Y-40P	56.3	4			12.4	34.0	13.9	35.2	21.2	14	
BZJ04-365	4NES-20Y-40P	56.3	4			12.5	34.0	13.9	35.2	21.0	20	
BZJ04-371	4JE-15Y-40P	63.5	4			14.9	39.2	16.7	40.4	24.4	15	
BZJ04-372	4JE-22Y-40P	63.5	4			14.0	38.2	15.9	39.5	23.9	22	
BZJ04-373	4HE-18Y-40P	73.7	4			17.9	45.8	19.9	47.2	29.0	18	
BZJ04-374	4HE-25Y-40P	73.7	4			17.2	45.0	19.2	46.5	28.5	25	
BZJ04-375	4GE-23Y-40P	84.6	4		21.2	53.0	23.4	54.6	32.5	23		
BZJ04-376	4GE-30Y-40P	84.6	4		20.0	51.7	22.3	53.3	33.3	30		
BZJ04-377	4FE-28Y-40P	101.8	4		25.4	62.7	28.1	64.4	40.0	28		
BZJ04-335	4FE-35Y-40P	101.8	4		24.9	62.1	27.6	63.8	39.1	35		
BZJ04-381	6JE-25Y-40P	95.3	6		22.3	58.3	24.9	60.2	35.8	25		
BZJ04-382	6JE-33Y-40P	95.3	6		20.7	56.5	23.4	58.6	36.1	33		
BZJ04-383	6HE-28Y-40P	110.5	6		26.4	67.3	29.3	69.4	42.5	28		
BZJ04-384	6HE-35Y-40P	110.5	6		25.3	66.2	28.3	68.3	41.7	35		
BZJ04-385	6GE-34Y-40P	126.8	6	32.2	78.4	35.4	80.5	48.9	34			
BZJ04-386	6GE-40Y-40P	126.8	6	29.5	75.4	32.8	77.6	48.8	40			
BZJ04-387	6FE-44Y-40P	151.6	6	38.1	94.0	42.1	96.5	59.0	44			
BZJ04-334	6FE-50Y-40P	151.6	6	36.2	91.9	40.3	94.5	57.7	50			

Components
INDUSTRIAL SERIES

Stock No.	Model	Disp. (m3/hr)	No. of Cyls.	Motor	Series	Nom. Capacity (kW)					Nom. HP	Price \$ Excl. GST
						R449A		R404A		R134a		
						-25°C	-5°C	-25°C	-5°C	-5°C		
380-420/3/50 - Three Phase												
BZJ04-391	8GE-60Y-40P	185.0	8	3Ø (P) PW	CE8	-	-	-	109.8	66.6	60	
BZJ04-392	8FE-70Y-40P	221.0	8			-	-	-	129.9	78.6	70	

Notes:

1. Test Condition: EN12900
 2. Nominal ratings are based upon: 45°C Condensing, 20K Suction Superheat, 0K Liquid Sub-cooling
 3. Motor: 3Ø = P
- P: PW = Part Winding Start

Included With Compressor

- Suction & Discharge valves
- 4 x Vibration dampers
- Crankcase heater
- Oil charge BSE-32 Ester Oil (Protective Charge)
- All 4 & 6 cylinder models supplied with one cylinder head prepared for capacity control
- All 8 cylinder models supplied with two cylinder heads prepared for capacity control


BITZER SEMI-HERMETIC COMPRESSORS
ECOLINE SERIES R134a SMALL MOTOR

Stock No.	Model	Disp. (m3/hr)	No. of Cyls.	Motor	Series	Nom. Capacity (kW)		Nom. HP	Price \$ Excl. GST
						R134a			
						-5°C			
380-420/3/50 - Three Phase									
BZJ04-322	4VES-6Y-40P	34.7	4	3Ø (P) PW	CE4	13.0	6		
BZJ04-323	4TES-8Y-40P	41.3	4			15.8	8		
BZJ04-324	4PES-10Y-40P	48.5	4			17.9	10		
BZJ04-325	4NES-12Y-40P	56.3	4			21.3	12		
BZJ04-326	4JE-13Y-40P	63.5	4		BE5	24.6	13		
BZJ04-327	4HE-15Y-40P	73.7	4			29.0	15		
BZJ04-328	4GE-20Y-40P	84.5	4			33.8	20		
BZJ04-329	4FE-25Y-40P	101.8	4		BE6	40.0	25		
BZJ04-330	6JE-22Y-40P	95.3	6			36.4	22		
BZJ04-331	6HE-25Y-40P	110.5	6			42.5	25		
BZJ04-332	6GE-30Y-40P	126.8	6			50.1	30		
BZJ04-333	6FE-40Y-40P	151.6	6		59.0	40			

Notes:

1. Test Condition: EN12900
 2. Nominal ratings are based upon: 45°C Condensing, 20K Suction Superheat, 0K Liquid Sub-cooling
 3. Motor: 3Ø = P
 - P: PW = Part Winding Start
- Included With Compressor**
- Suction & Discharge valves
 - 4 x Vibration dampers
 - Crankcase heater
 - Oil charge BSE-32 Ester Oil (Protective Charge)
 - All 4 & 6 cylinder models supplied with one cylinder head prepared for capacity control

SEMI HERMETIC (CO₂)

BITZER CO₂ SEMI-HERMETIC COMPRESSORS

Bitzer SL series compressors certified by ASERCOM are developed for R744 CO₂ sub-critical applications. Housing developed with high strength pressure, high side up to 53 bar, low side up to 30 bar. The compressors are compatible for operation with a frequency inverter.


R744 (CO₂) SUB CRITICAL COMPRESSORS

Stock No.	Model	Disp. (m3/hr)	No. of Cyls.	Motor	Series	Nom. Capacity (kW)			Wgt (kg)	Nom. HP	Price \$ Excl. GST	
						-25°C	-5°C	-25°C				
380-420/3/50 - Three Phase												
BZJ04-468	2NSL-05K-40S	1.3	2	3Ø (S) Y-DOL	C1	1.5	2.0	2.5	47	1/2		
BZJ04-469	2MSL-07K-40S	1.7	2			2.0	2.6	3.3	47	2/3		
BZJ04-490	2KSL-1K-40S	2.7	2			3.3	4.3	5.5	47	1		
BZJ04-491	2HSL-3K-40S	4.3	2			5.6	7.2	9.2	50	3		
BZJ04-492	2FSL-4K-40S	6.4	2			8.8	11.1	13.9	53	4		
BZJ04-493	2DSL-5K-40S	9.2	2			C2	12.9	16.4	20.4	78	5	
BZJ04-494	2CSL-6K-40S	11.2	2				15.7	19.9	24.7	78	6	
BZJ04-495	4FSL-7K-40S	12.4	4			C3	16.8	21.4	26.8	94	7	
BZJ04-496	4DSL-10K-40S	18.4	4				25.4	32.3	40.2	95	10	

Notes:

1. Test Condition: EN12900
2. Ascercom certified performance data
3. Nominal ratings are based upon: -5°C Condensing, 10K Suction Superheat, 0K Liquid Sub-cooling
4. Motor: 3Ø = (S) Star wiring. Y = 380-420-3-50
5. CO₂ compressors sold for replacement only

Included With Compressor

- Suction & Discharge valves
- 4 x Vibration dampers
- Crankcase heater
- Oil charge (Protective charge)
- Suction pressure relief valve

Explanation of model designation:

Example
4DSL-10K-40S
 Index for number of cylinders
4DSL-10K-40S
 Identification letter for bore x stroke
4DSL-10K-40S
 Identification letter for subcritical CO₂ compressor
4DSL-10K-40S
 Identification letter for low temp application
4DSL-**10**K-40S
 Code for motor size
4DSL-10**K**-40S
 Identification letter for oil charge
 K = BSE60K/BSE85K
4DSL-10K-**40**S
 Motor code


BITZER VARIPACK FREQUENCY CONVERTERS

The Bitzer Varipack frequency inverter was specifically developed for refrigeration and air-conditioning operation of Bitzer compressors. The focus of the development was the easy use, the reliability and the high performance of the frequency inverters. They can be, for example, put into operation intuitively and perform control functions of the HVACR system. The modular design of the frequency inverters provides a wide, flexible and clear range of variants.


BITZER VARIPACK FREQUENCY INVERTERS

Stock No.	Model	Rated @ 400V		Dimensions H x W x D	Weight (Kg)	Price \$ Excl. GST
		kW	Amps			
BZU40-551	FDU+6	2.2	5.5	286 x 100 x 255	4.5	
BZU40-552	FDU+12	5.5	12.0	286 x 100 x 255	4.5	
BZU40-553	FEU+16	7.5	16.0	333 x 125 x 255	6.8	
BZU40-554	FEU+24	11.0	23.0	333 x 125 x 255	6.8	
BZU40-555	FGU+32	15.0	32.0	383 x 150 x 255	10.0	
BZU40-556	FGU+38	18.0	38.0	383 x 150 x 255	10.0	
BZU40-557	FHU+45	22.0	45.0	480 x 220 x 287	22.3	
BZU40-558	FHU+60	30.0	60.0	480 x 220 x 287	22.3	
BZU40-559	FHU+73	37.0	73.0	480 x 220 x 287	22.3	
BZU40-560	FJU+87	45.0	87.0	670 x 260 x 316	42.8	
BZU40-562	FJU+105	55.0	105.0	670 x 260 x 316	42.8	
BZU40-563	FJU+145	75.0	145.0	670 x 260 x 316	42.8	

BITZER VARIPACK ACCESSORIES

Stock No.	Description	Series	Price \$ Excl. GST
BZP347971-01	Remote Display Mounting Kit - 3m cable		
BZP347972-01	Extension Module for Pressure Control 33 bar		
Panel Mounting Kits			
BZP324988-01	Gasket Kit with Fan and Mounting Brackets	FDU+6 / FDU+12	
BZP324988-02	Gasket Kit with Fan and Mounting Brackets	FEU+16 / FEU+24	
BZP324988-03	Gasket Kit with Fan and Mounting Brackets	FGU+32 / FGU+38	
BZP324988-04	Gasket Kit with 2 x Fans and Mounting Brackets	FHU+45 / FHU+60 / FHU+73	
BZP324988-05	Gasket Kit with 2 x Fans and Mounting Brackets	FJU+87 / FJU+105 / FJU+145	

Notes:

- Varipack frequency inverters have been optimised for the use on Bitzer reciprocating compressors
 - Standard with Integrated EMC Filter for class C2
 - Enclosure is IP20 rated
 - Removable display as standard
 - Selection should be made so full load amps of the compressor do not exceed the Inverter rated Amps
- Please contact Realcold technical staff for assistance with selection.


BITZER SPARE PARTS
CRANKCASE HEATERS

Stock No.	Description	Price \$ Excl. GST
BZP343213-03	Crankcase Heater. 140 watts. 110V	
BZP343213-12	Crankcase Heater. 140 watts. 230V	
BZP343219-01	Crankcase Heater. 60 watts. 230V	


MOTOR PROTECTION

Stock No.	Description	Price \$ Excl. GST
BZP347017-10	Motor protection device. SE-E1. 230V	
BZP347019-01	Motor protection device. SE-B1. 230V	
BZP347019-05	Motor protection device. SE-B1. 24V	
BZP347028-01	Motor protection device. SE-B2. 230V	
BZPK06-017	Motor protection device INT69 VSY-II	


OIL MANAGEMENT

Stock No.	Description	Price \$ Excl. GST
BZP347334-03	OLCK1 Electronic oil monitoring control	
BZP347319-11	Oil Pressure Control Delta P II	


CAPACITY CONTROL MODULE - CM-RC (10-100%)

Stock No.	Description	Series Compressor	Price \$ Excl. GST
BZP347051-01	Module CM-RC-01 Kit Harness 1	CE4	
BZP347051-03	Module CM-RC-01 Kit Harness 1	BE5-BE6	


CAPACITY CONTROL

Stock No.	Description	Series Compressor	Price \$ Excl. GST
BZP302367-01	Capacity control CR11 head	CE3	
BZP302355-34	Capacity control CR11 head	CE4	
BZP302355-33	Capacity control CR11 head	BE5-BE6	
BZP347600-47	Solenoid valve assembly for Capacity Control	CE3-CE4	
BZP347600-48	Solenoid valve assembly for Capacity Control	BE5-BE6 & CE8	




BITZER SPARE PARTS
HEAD FANS - SINGLE PHASE

Stock No.	Description	Series Compressor	Price \$ Excl. GST
BZP343021-01	Head cooling fan to suit 2 cylinder	CE1	
BZP343021-26	Head cooling fan to suit 2 cylinder	CE2	
BZP343021-29	Head cooling fan to suit 4 cylinder	CE3	
BZP343021-27	Head cooling fan to suit 4 cylinder	CE4	
BZP343021-24	Head cooling fan to suit 4 cylinder	BE5	
BZP343021-25	Head cooling fan to suit 6 cylinder	BE6	


SPARE PARTS

Stock No.	Description	Price \$ Excl. GST
BZP347023-03	Discharge temperature control (sensor)	
BZPK04-023	Adaptor COM1 - suits K04-018	
BZPK04-055	Kriwan Adaptor (CE1, CE2, CE3 compressors)	
BZPK04-054	Gasket "O" Ring for Kriwan Oil Level Control INT280	
BZPK06-016	Relief Valve - 1/2"MPT x 5/8" M.Fl - 425psi	
BZPS55-007	Relief Valve for Bitzer CO ₂ Compressor. 25 Bar.	
BZP361100-26	Relief Valve for Bitzer CO ₂ Compressor. 30 Bar.	
BZPS55-008	Relief Valve for Bitzer CO ₂ Compressor. 40 Bar.	
BZPK04-025	CO ₂ Oil Strainer - 3/8" SAE connections	
BZPN32-707	Lodam Pressure Sensor	
BZPN32-724	Lodam Platinum Kit	



FRASCOLD SEMI-HERMETIC COMPRESSORS
A & B SERIES - 2 CYLINDER

Stock No.	Model	Disp. (m3/hr)	Nom. Capacity (kW)					Nom. HP	Price \$ Excl. GST
			R449A		R404A		R134a		
			-25°	-5°	-25°	-5°	-5°		
220-240/1/50 - Single Phase									
C5016	A1-6Y (1ph)	5.5	1.01	2.95	1.15	3.14	1.78	1.0	
C5033	A1.5-7Y (1ph)	6.9	1.34	3.82	1.59	4.17	2.44	1.5	
C5038	B1.5-9.1Y (1ph)	8.9	1.80	5.02	2.05	5.16	3.30	1.5	
C5044	B2-10.1Y (1ph)	9.9	1.99	5.55	2.34	5.71	3.62	2.0	


A, B & D SERIES - 2 CYLINDER

Stock No.	Model	Disp. (m3/hr)	Nom. Capacity (kW)					Nom. HP	Price \$ Excl. GST
			R449A		R404A		R134a		
			-25°	-5°	-25°	-5°	-5°		
380-420/3/50 - Three Phase									
C5018	A1-6Y (3ph)	5.5	1.01	2.95	1.15	3.14	1.78	1.0	
C5031	A1.5-7Y (3ph)	6.9	1.34	3.82	1.59	4.17	2.44	1.5	
C5036	B1.5-9.1Y (3ph)	8.9	1.80	5.02	2.05	5.16	3.30	1.5	
C5046	B2-10Y (3ph)	9.9	1.99	5.55	2.34	5.71	3.62	2.0	
C5048	D2-11.1Y (3ph)	11.3	2.42	6.70	2.71	6.75	4.11	2.0	
C5051	D2-13.1Y (3ph)	13.2	2.95	7.89	3.33	–	4.89	2.0	
C5061	D3-13.1Y (3ph)	13.2	2.97	7.90	3.18	7.94	4.75	3.0	
C5063	D3-15.1Y (3ph)	15.4	3.44	9.19	3.99	9.20	5.58	3.0	
C5071	D3-18.1Y (3ph)	17.9	4.18	10.96	4.69	–	6.77	3.0	
C5078	D4-18.1Y	17.9	4.20	10.88	4.78	10.88	6.99	4.0	


Q & S-SERIES - 4 CYLINDER

Stock No.	Model	Disp. (m3/hr)	Nom. Capacity (kW)					Nom. HP	Price \$ Excl. GST
			R449A		R404A		R134a		
			-25°	-5°	-25°	-5°	-5°		
380-420/3/50 - Three Phase									
C5072	Q4-20.1Y	19.8	4.43	11.88	4.76	–	7.67	4.0	
C5099	Q5-21.1Y	21.2	4.77	12.64	4.74	12.44	7.33	5.0	
C5094	Q5.25.1Y	24.7	5.60	14.81	5.97	14.70	9.61	5.0	
C5097	Q5-33.1Y	32.7	7.27	18.65	8.38	–	11.75	5.0	
C5098	Q7-28.1Y	28.0	6.31	16.78	7.09	17.14	9.95	7.5	
C5102	Q7-33.1Y	32.7	7.69	19.98	8.24	19.78	11.91	7.5	
C5104	Q7-36.1Y	35.9	8.45	21.96	9.34	–	14.16	7.5	
C5124	S7-33Y	32.7	6.95	19.33	–	20.09	12.59	7.5	
C5106	S8-42Y	41.3	9.10	24.91	10.82	–	16.66	8.0	
C5108	S12-42Y	41.3	9.19	24.73	9.51	24.34	15.18	12.0	
C5134	S10-52Y	51.5	10.58	30.10	13.72	–	19.58	10.0	
C5138	S15-52Y	51.5	10.61	29.93	13.76	32.12	19.39	15.0	
C5142	S15-56Y	56.0	12.36	34.00	15.12	–	21.61	15.0	
C5145	S20-56Y	56.0	12.60	33.94	15.23	35.35	21.76	20.0	


Notes:

1. Test Condition: EN12900
2. Nominal ratings are based upon: 45°C Condensing, 20K Suction Superheat, 0K Liquid Sub-cooling
3. Compressors do not come with crank case heaters. Please order separately if required

FRASCOLD SEMI-HERMETIC COMPRESSORS
V SERIES - 4 CYLINDER

Stock No.	Model	Disp. (m3/hr)	Nom. Capacity (kW)					Nom. HP	Price \$ Excl. GST
			R449A		R404A		R134a		
			-25°	-5°	-25°	-5°	-5°		
380-420/3/50 - Three Phase									
C5155	V15-59Y	58.5	13.92	36.13	15.66	–	22.89	15	
C5160	V15-71Y	70.8	17.17	44.06	18.57	–	27.13	15	
C5165	V20-59Y	58.5	13.00	34.98	–	35.68	22.98	20	
C5172	V20-84Y	83.8	21.01	52.41	20.92	–	29.85	20	
C5185	V25-71Y	70.8	16.58	43.19	16.97	42.82	26.13	25	
C5186	V25-93Y	93.1	21.82	57.04	22.02	–	35.17	25	
C5192	V30-84Y	83.8	19.97	51.12	20.94	51.69	29.98	30	
C5193	V32-93Y	93.1	20.59	55.50	21.15	55.92	33.04	32	


Z SERIES - 6 CYLINDER

Stock No.	Model	Disp. (m3/hr)	Nom. Capacity (kW)					Nom. HP	Price \$ Excl. GST
			R449A		R404A		R134a		
			-25°	-5°	-25°	-5°	-5°		
380-420/3/50 - Three Phase									
C5194	Z25-106Y	106.2	25.35	64.65	26.60	–	37.17	25	
C5198	Z30-126Y	125.7	31.91	77.59	30.86	–	45.71	30	
C5196	Z35-106Y	106.2	24.44	63.57	26.65	65.46	40.15	35	
C5206	Z40-126Y	125.7	29.50	74.17	30.56	76.48	47.39	40	
C5210	Z40-154Y	154.4	38.91	95.77	41.36	–	55.26	40	
C5215	Z50-154Y	154.4	37.36	93.29	37.40	93.33	56.56	50	


W SERIES - 8 CYLINDER

Stock No.	Model	Disp. (m3/hr)	Nom. Capacity (kW)					Nom. HP	Price \$ Excl. GST
			R449A		R404A		R134a		
			-25°	-5°	-25°	-5°	-5°		
380-420/3/50 - Three Phase									
C5233	W50-187Y	186.1	45.17	112.51	44.38	–	67.52	50	
C5234	W60-187Y	186.1	44.92	112.75	46.36	114.33	67.17	60	
C5235	W60-206Y	205.8	49.88	124.48	51.29	–	77.47	60	
C5238	W70-206Y	205.8	49.96	124.96	51.15	126.91	76.29	70	
C5239	W75-240Y	239.0	57.95	144.50	58.61	–	88.94	75	


Notes:

1. Test Condition: EN12900
2. Nominal ratings are based upon: 45°C Condensing, 20K Suction Superheat, 0K Liquid Sub-cooling
3. Compressors do not come with crank case heaters. Please order separately if required.



FRASCOLD CAPACITY REDUCTION

CAPACITY REGULATION DEVICE RSH

Frascold's patented RSH (reduced suction head) capacity control system is compatible with any Frascold reciprocating compressor. A new level in efficiency and reliability, RSH equipped compressors can run unloaded indefinitely without damage.

This innovative system doubles the opportunities to stagger the refrigerating capacity through a reduction of the refrigerant flow through the suction door, thus making it possible to obtain, with a 4 cylinder compressor, 3 adjustment steps at 50%-75%-100% (with two RSH devices) or 4 adjustment steps at 25%-50%-75%-100% (with one RSH device + one capacity control CC). The application of a RSH head, makes the Frascold two-cylinder compressors the only one on the market that allow a 50%-100% regulation of the refrigerating capacity.

The possible regulation steps becomes:

- 2 cylinder compressor, 0% - 50% - 100% (1 RSH)
- 4 cylinders compressor, 0% - 25% - 50% - 75% - 100% (1 RSH + 1 CC)
- 6 cylinders compressor, 0% - 16% - 33% - 50% - 66% - 83% - 100% (1 RSH + 2 CC)

CAPACITY REGULATION DEVICE RSH

Stock No.	Model	Description	Suits Series	Price \$ Excl. GST
C5003	T00SK220310	RSH Capacity Control Head (coil included)	Q series	
C5004	T00SK220360	RSH Capacity Control Head (coil included)	S series	
C5005	T00SK220400	RSH Capacity Control Head (coil included)	V,Z,W series	



START UNLOADER HEAD

Stock No.	Model	Description	Suits Series	Price \$ Excl. GST
C5226	T00SK250150	Start Unloader Q (Coil Included)	Q Series	
C5226A	T00SK250100	Start Unloader S (Coil Included)	S Series	
C5227	T00SK250200	Start Unloader V-Z-W (Coil Included)	V, Z, W Series	



Notes: Can be used in conjunction with PWS to significantly reduce compressor starting current.

FRASCOLD SPARE PARTS
CRANKCASE HEATERS

Stock No.	Model	Description	Suits Series	Price \$ Excl. GST
R0553	T00CH13RIC	50w Crank Case Heater	A, B & D	
R0552	T00CH1RIC	70w Crank Case Heater	F, Q, S & T	
R0555	T00CH9RIC	150w Crank Case Heater	V, Z & W	


MOTOR PROTECTION

Stock No.	Model	Description	Suits Series	Price \$ Excl. GST
R0820	T00ECA01	Motor Protection INT69	A, B, D, F, Q, S	
R0822	T00ECA11	Motor Protection INT69TM	V, Z, W	


OIL SPARES

Stock No.	Model	Description	Suits Series	Price \$ Excl. GST
R0825	T00EC1620	DELTA-PII Oil Pressure Safety Switch	All models	
R0726	T00SK210000	Oil Pump Assembly W	W series	
R0727	T00SK210100	Oil Pump Assembly V-Z	V & Z series	
R0735	T00SK190100	Oil Strainer Assembly	All models	
R0730	T00SK170100	Sightglass	All models	


HEAD COOLING FANS (240/1/50) SINGLE PHASE

Stock No.	Model	Description	Suits Series	Price \$ Excl. GST
C5805	SZ-FM1	Head Cooling Fan A-F 1Ø	A, B, D & F	
C5803	SZ-FM2S/001	Head Cooling Fan S 1Ø	S Series	
C5810	SZ-FM9	Head Cooling Fan Q 1Ø	Q Series	
C5804	SZ-FM2V/001	Head Cooling Fan V 1Ø	V Series	
C5806	SZ-FM3/001	Head Cooling Fan Z 1Ø	Z Series	
C5807	SZ-FM4/001	Head Cooling Fan W 1Ø	W Series	



Please contact Realcold for information and availability of Frascold spares and accessories not listed

FRASCOLD SEMI HERMETIC SPARE PARTS

Compressor Model	Gasket Kit Complete	Valve Plate Kit Complete	Valve Plate Gasket		Service Valve Kits	
			Body	Head	Suction	Discharge
A075Y, A157Y	T00SK0200	T00SK12501	S1351031E	S1411032	T00SK100120	T00SK100110
A076Y, A016Y, A158Y, B159Y, B159.1Y	T00SK0300	T00SK12502	S1451031E	S1411032	T00SK100120	T00SK100110
B210Y	T00SK0300	T00SK14501	S1451031E	S1411032	T00SK100130	T00SK100120
B210.1Y	T00SK0405	T00SK14505	S1461031	S1411032	T00SK100130	T00SK100120
D211Y, D211.1Y, D215.1Y, D215	T00SK0500	T00SK24800	S2341031	S2451032	T00SK100330	T00SK100310
Q521Y, Q521.1Y, Q519, Q519.1Y	T00SK1230	T00SK24800	S2341031	S2451032	T00SK100520	T00SK100320
Q528.1Y	T00SK1230	T00SK24800	S2341031	S2451032	T00SK100530	T00SK100330
Q728Y	T00SK1220	T00SK24802	S2451031	S2451032	T00SK100530	T00SK100340
Q728.1Y	T00SK1230	T00SK24800	S2341031	S2451032	T00SK100530	T00SK100340
D213Y, D213.1Y,	T00SK0600	T00SK24801	S2451031	S2451032	T00SK100330	T00SK100310
D313Y, D313.1Y, D318Y, D318.1Y	T00SK0600	T00SK24802	S2451031	S2451032	T00SK100340	T00SK100310
D315Y, D315.1Y	T00SK0500	T00SK24803	S2341031	S2451032	T00SK100340	T00SK100310
D418Y, D418.1Y	T00SK0600	T00SK24802	S2451031	S2451032	T00SK100340	T00SK100320
D416, D416.1Y	T00SK0500	T00SK24803	S2341031	S2451032	T00SK100340	T00SK100320
F416Y, F416.1Y	T00SK0700	T00SK36200	S4321031A	S3631032	T00SK100520	T00SK100320
F519Y	T00SK0800	T00SK26202	S4381031A	S3631032	T00SK100520	T00SK100320
Q519, Q519.1Y	T00SK1230	T00SK24800	S2341031	S2451032	T00SK100520	T00SK100320
Q420	T00SK1229	T00SK24804	S4001031	S2451032	T00SK100520	T00SK100320
Q525Y, Q525.1Y	T00SK1220	T00SK24801	S2451031	S2451032	T00SK100520	T00SK100330
Q725.1Y	T00SK1220	T00SK24802	S2451031	S2451032	T00SK100520	T00SK100330
Q528Y	T00SK1220	T00SK24801	S2451031	S2451032	T00SK100530	T00SK100330
Q533.1Y, Q733.1Y	T00SK1220	T00SK24802	S2451031	S2451032	T00SK100530	T00SK100340
S533Y, S533.1Y	T00SK1300	T00SK44900	S4321031A	S3631032	T00SK100600	T00SK100520
S733Y	T00SK1300	T00SK36200	S4321031A	S3631032	T00SK100600	T00SK100520
Q736.1Y	T00SK1220	T00SK24802	S2451031	S2451032	T00SK100530	T00SK100340

FRASCOLD SEMI HERMETIC SPARE PARTS - (Continued)

Compressor Model	Gasket Kit Complete	Valve Plate Kit Complete	Valve Plate Gasket		Service Valve Kits	
			Body	Head	Suction	Discharge
S739Y	T00SK1400	T00SK36201	S4381031A	S3631032	T00SK100600	T00SK100520
S1039Y	T00SK1400	T00SK36202	S4381031A	S3631032	T00SK100600	T00SK100520
Q842Y	T00SK1450	T00SK44902	S3641031A	S3631032	T00SK100600	T00SK100520
Q1242Y	T00SK1470	T00SK36204	S3641031A	S3631032	T00SK100600	T00SK100520
S1051Y	T00SK1500	T00SK36205	S4481031A	S3631032	T00SK100600	T00SK100520
S1551Y	T00SK1600	T00SK36206	S4491031A	S3631032	T00SK100640	T00SK100520
S1556Y, S2056Y	T00SK1700	T00SK44906	S4451031A	S3631032	T00SK100640	T00SK100520
V1559Y	T00SK1800	T00SK49500	S6301031C	S8701032	T00SK103700	T00SK100610
V2059Y	T00SK1800	T00SK49501	S6301031C	S8701032	T00SK103700	T00SK100610
V1571Y, Z25106	T00SK1900	T00SK49502	S6351031D	S8701032	T00SK103700	T00SK100610
V2571Y	T00SK2000	T00SK49503	S635103D	S8701032	T00SK103800	T00SK100600
V2084Y	T00SK2100	T00SK49504	S6401031C	S8701032	T00SK103700	T00SK100610
V3084Y	T00SK2200	T00SK49505	S6401031C	S8701032	T00SK103800	T00SK100600
V2593Y	T00SK2210	T00SK87003	S8601031B	S8701032	T00SK103800	T00SK100600
V3293Y	T00SK2210	T00SK87004	S8601031B	S8701032	T00SK103800	T00SK100600
V25103Y	T00SK2220	T00SK87005	S6501031D	S8701032	T00SK103800	T00SK100600
Z25106Y	T00SK2400	T00SK49502	S6351031D	S8701032	T00SK103800	T00SK103711
Z35106Y	T00SK2400	T00SK49503	S6351031D	S8701032	T00SK103800	T00SK103711
Z30126Y	T00SK2500	T00SK49504	S6401031C	S8701032	T00SK103800	T00SK103711
Z40126Y	T00SK2500	T00SK49505	S6401031C	S8710032	T00SK103810	T00SK103701
Z40154Y	T00SK2600	T00SK65005	S6510131D	S8701032	T00SK103810	T00SK103700
Z50154	T00SK2600	T00SK65006	S6501031D	S8701032	T00SK103810	T00SK103700
W60187Y	T00SK2900	T00SK87004	S8601031B	S8701032	T00SK103910	T00SK103700
W70206Y	T00SK3000	T00SK65006	S6501031D	S8701032	T00SK103910	T00SK103720



BITZER COMPACT SCREW COMPRESSORS

Bitzer Compact Semi-hermetic screw compressors feature an integrated oil separator and a 4-step or infinite capacity control. Apart from an advanced, easy to use, low cost method for direct refrigerant injection, the compressors can also be operated with an external oil cooler. The CSH series are particularly suited to applications with higher condensing temperatures.

CSH SERIES

Stock No.	Model	Disp. (m3/hr)	Amps Mra	Cap. Steps %	Nom. Cap. (kW) @ +7°C SST with Economiser		Nom. HP	Price \$ Excl. GST
					R407C	R134a		
380-420/3/50 - Three Phase								
CSH 6553-35Y	CSH 6553-35Y	137	58	100-75-50-25	-	100.6	35	
CSH 6553-50Y	CSH 6553-50Y	137	86	100-75-50-25	137.9	99.5	50	
CSH 6563-40Y	CSH 6563-40Y	170	66	100-75-50-25	-	122.4	40	
CSH 6563-60Y	CSH 6563-60Y	170	108	100-75-50-25	169.5	122.3	60	
CSH 6583-50Y	CSH 6583-50Y	195	86	100-75-50-25	-	141.6	50	
CSH6593-60Y	CSH6593-60Y	220	108	100-75-50-25	-	156.7	60	
CSH 7553-50Y	CSH 7553-50Y	197	79	100-75-50-25	-	142.5	50	
CSH 7553 70Y	CSH 7553 70Y	197	128	100-75-50-25	202.0	144.3	70	
CSH 7563-60Y	CSH 7563-60Y	227	98	100-75-50-25	-	164.8	60	
CSH 7563-80Y	CSH 7563-80Y	227	144	100-75-50-25	225.0	164.0	80	
CSH 7573-70Y	CSH 7573-70Y	258	124	100-75-50-25	-	185.8	70	
CSH 7573-90Y	CSH 7573-90Y	258	162	100-75-50-25	254.0	184.9	90	
CSH 7583-80Y	CSH 7583-80Y	295	144	100-75-50-25	-	217.0	80	
CSH 7583-100Y	CSH 7583-100Y	295	170	100-75-50-25	301.0	218.0	100	
CSH 7593-90Y	CSH 7593-90Y	336	162	100-75-50-25	-	243.0	90	
CSH 7593-110Y	CSH 7593-110Y	336	180	100-75-50-25	335.0	244.0	110	
CSH 8553-80Y	CSH 8553-80Y	315	144	100-75-50-25	-	234.0	80	
CSH 8553-110Y	CSH 8553-110Y	315	185	100-75-50-25	331.0	240.0	110	
CSH 8563-90Y	CSH 8563-90Y	359	155	100-75-50-25	-	265.0	90	
CSH 8563-125Y	CSH 8563-125Y	359	216	100-75-50-25	370.0	268.0	125	
CSH 8573-110Y	CSH 8573-110Y	410	182	100-75-50-25	-	306.0	110	
CSH 8573-140Y	CSH 8573-140Y	410	246	100-75-50-25	418.0	304.0	140	
CSH 8583-160Y	CSH 8583-160Y	470	260	100-75-50-25	473.0	335.0	160	
CSH 8593-140Y	CSH 8593-140Y	535	214	100-75-50-25	-	382.0	140	

Notes:

1. Test Condition: EN12900
2. Nominal ratings are based upon: 45°C Condensing, 10K Suction Gas Superheat, 0K Liquid Sub-cooling, with economiser.
3. Compressor is not shipped with lubricant as the type of lubricant is specific to the refrigerant and application
4. Economiser sold separately

Included With Compressor

- Crankcase heater
- Integral oil separator
- Oil filter
- Discharge gas temperature sensor
- Start unloading]
- Capacity control
- Built in check valve

Available Options

- Oil level switch
- Discharge shut-off valve
- Suction shut-off valve
- Shut-off valve for ECO with muffler
- Liquid injection with integrated nozzle
- Vibration dampers]
- Economiser

Explanation of model designation:

Example
CSH 8593-140Y-40P
 Semi Hermetic Compact Screw Compressor
 CSH **8593**-140Y-40P
 Housing size
 CSH **8593**-140Y-40P
 Displacement
 CSH **8593**-140Y-40P
 Compressor execution
 CSH 8593-**140**Y-40P
 Motor size
 CSH 8593-140Y-**40**P
 Identification letter for ester oil charge
 CSH 8593-140Y-**40P**
 Motor code (40P = 380-415/3/50)



BITZER SCREW COMPRESSORS

HS.53 to HS.74 series offer efficient capacity control by shifting of the suction port in two steps 75 and 50%.
 HS.85 series offer slider control for infinite or stepped capacity control.
 HS series compressors are particularly suitable for operation with VARIPACK frequency inverter.
 Can be used with or without economiser, however with economiser operation you can increase both refrigeration capacity and energy efficiency.

HS (K) SERIES - MED / HIGH TEMP

Stock No.	Model	Disp. (m3/hr)	Amps Mra	Cap. Steps %	Nom. Cap. (kW) @ -5°C SST with Economiser			Nom. HP	Price \$ Excl. GST
					R449A	R404A	R134a		
380-420/3/50 - Three Phase									
HSK5343-30-40P	HSK5343-30-40P	84	52	100-90-70	64.7	71.7	43.5	30	
HSK5343-35-40P	HSK5343-35-40P	100	58	100-85-60	76.0	83.0	51.9	35	
HSK5363-40-40P	HSK5363-40-40P	118	66	100-75-50	87.4	94.5	59.9	40	
HSK6451-50-40P	HSK6451-50-40P	140	79	100-75-50	103.2	110.9	68.7	50	
HSK6461-60-40P	HSK6461-60-40P	165	98	100-75-50	123.1	131.5	82.1	60	
HSK7451-70-40P	HSK7451-70-40P	192	124	100-75-50	150.6	159.6	99.1	70	
HSK7461-80-40P	HSK7461-80-40P	220	144	100-75-50	168.0	177.2	111.7	80	
HSK7471-90-40P	HSK7471-90-40P	250	162	100-75-50	183.1	192.7	121.9	90	
HSK8551-110-40P	HSK8551-110-40P	315	180	100-75-50	234.0	243.0	153.9	110	
HSK8561-125-40P	HSK8561-125-40P	359	216	100-75-50	266.0	276.0	175.2	125	

Notes:

1. Test Condition: EN12900
2. Nominal ratings are based upon: 45°C Condensing, 10K Suction Gas Superheat, 0K Liquid Sub-cooling, with economiser.
3. Compressor is not shipped with lubricant as the type of lubricant is specific to the refrigerant and application
4. Economiser sold separately

Included With Compressor

- Discharge gas temperature sensor
- Start unloading
- Oil flow control
- Motor protection
- Suction shut-off valve
- Capacity control

Available Options

- Discharge shut-off valve
- Economiser
- Economiser connection with shut-off valve

Explanation of model designation:

Example
HSN 7471-75-40P
 Semi Hermetic Screw Compressor
HSN 7471-75-40P
 Application range
 K = Air Conditioning and medium temp applications
 N = Low temp applications
 HSN ~~74~~71-75-40P
 Housing size
 HSN 74~~7~~1-75-40P
 Displacement
 HSN 7471-~~75~~-40P
 Compressor execution (1 = standard)
 HSN 7471-7~~5~~-40P
 Motor size and design
 HSN 7471-75-~~40~~P
 Motor code (40P = 380-415/3/50)

Components

SCREW



BITZER SCREW COMPRESSORS

HS.53 to HS.74 series offer efficient capacity control by shifting of the suction port in two steps 75 and 50%. HS.85 series offer slider control for infinite or stepped capacity control. HS series compressors are particularly suitable for operation with VARIPACK frequency inverter. Can be used with or without economiser, however with economiser operation you can increase both refrigeration capacity and energy efficiency.

HS (N) SERIES - LOW TEMP

Stock No.	Model	Disp. (m3/hr)	Amps Mra	Cap. Steps %	Nom. Cap. (kW) @ -25°C SST with Economiser		Nom. HP	Price \$ Excl. GST
					R449A	R404A		
380-420/3/50 - Three Phase								
HSN5343-20	HSN5343-20	84	48	100-85-55	31.3	35.9	20	
HSN5353-25	HSN5353-25	100	52	100-80-45	36.9	42.0	25	
HSN5363-30	HSN5363-30	118	58	100-70-40	42.7	48.4	30	
HSN6451-40	HSN6451-40	140	65	100-75-50	51.9	58.0	40	
HSN6461-50	HSN6461-50	165	79	100-75-50	59.8	66.0	50	
HSN7451-60	HSN7451-60	192	98	100-75-50	72.7	79.5	60	
HSN7461-70	HSN7461-70	220	124	100-75-50	83.6	90.9	70	
HSN7471-75	HSN7471-75	250	144	100-75-50	88.1	95.0	75	

Notes:

1. Test Condition: EN12900
2. Nominal ratings are based upon: 45°C Condensing, 10K Suction Gas Superheat, 0K Liquid Sub-cooling, with economiser.
3. Compressor is not shipped with lubricant as the type of lubricant is specific to the refrigerant and application
4. Economiser sold separately

Included With Compressor

- Discharge gas temperature sensor
- Start unloading
- Oil flow control
- Motor protection
- Suction shut-off valve
- Capacity control

Available Options

- Discharge shut-off valve
- Economiser
- Economiser connection with shut-off valve

Explanation of model designation:

Example
HSN 7471-75-40P
 Semi Hermetic Screw Compressor
HSN 7471-75-40P
 Application range
 K = Air Conditioning and medium temp applications
 N = Low temp applications
 HSN **7471**-75-40P
 Housing size
 HSN **7471**-75-40P
 Displacement
 HSN **7471**-75-40P
 Compressor execution (1 = standard)
 HSN 7471-**75**-40P
 Motor size and design
 HSN 7471-75-**40P**
 Motor code (40P = 380-415/3/50)



FRASCOLD COMPACT TWIN SCREW COMPRESSORS

CXHO SERIES: This range of compact twin screw compressors comprises of twenty seven models ranging from a nominal 50HP to 300HP, with displacements from 199 to 912 cubic meters per hour at 50Hz. The CXH range is designed for close coupled systems and incorporates a high efficiency oil separator and oil control system. Suited to applications in the operating temperature range from +12.5°C to -15°C SST on R407C & R134a.

CXHO SERIES

Stock No.	Model	Disp. (m3/hr)	Amps Mra	Cap Steps %	Nom. Cap (kW) @+7°C SST with Economiser		Nom. HP	Price \$ Excl. GST
					R407C	R134a		
380-420/3/50 - Three Phase								
CFS0020	CXH01-50-199Y	199	80	25-50-75-100	–	153.6	50	
CFS0022	CXH01-60-230Y	230	98	25-50-75-100	–	177.5	60	
CFS0024	CXH01-70-264Y	264	125	25-50-75-100	–	204.5	70	
CFS0026	CXH01-80-298Y	298	145	25-50-75-100	–	229.3	80	
CFS0028	CXH01-90-340Y	340	160	25-50-75-100	–	264.7	90	
CFS0030	CXH01-100-370Y	370	175	25-50-75-100	–	288.0	100	
CFS0034	CXH51-110-398Y	398	180	25-50-75-100	–	315.8	110	
CFS0036	CXH51-125-468Y	468	198	25-50-75-100	–	372.8	125	
CFS0038	CXH51-140-538Y	538	221	25-50-75-100	–	423.4	140	
CFS0042	CXH91-160-620Y	620	283	25-50-75-100	–	505.7	160	
CFS0044	CXH91-180-702Y	702	315	25-50-75-100	–	552.1	180	
CFS0046	CXH91-210-810Y	810	356	25-50-75-100	–	635.9	210	
CFS0048	CXH91-240-912Y	912	427	25-50-75-100	–	704.8	240	
380-420/3/50 - Three Phase								
CFS0060	CXH02-70-199Y	199	128	25-50-75-100	203.1	152.8	70	
CFS0062	CXH02-80-230Y	230	145	25-50-75-100	235.2	176.6	80	
CFS0064	CXH02-90-264Y	264	160	25-50-75-100	272.6	198.6	90	
CFS0066	CXH02-100-298Y	298	175	25-50-75-100	309.2	228.2	100	
CFS0072	CXH52-110-316Y	316	184	25-50-75-100	343.8	250.2	110	
CFS0068	CXH52-120-340Y	340	195	25-50-75-100	367.5	267.9	120	
CFS0074	CXH52-125-372Y	372	218	25-50-75-100	402.4	281.7	125	
CFS0076	CXH52-140-428Y	428	245	25-50-75-100	464.6	314.3	140	
CFS0078	CXH52-160-468Y	468	282	25-50-75-100	505.9	354.3	160	
CFS0082	CXH92-180-545Y	545	332	25-50-75-100	590.1	417.4	180	
CFS0084	CXH92-210-620Y	620	375	25-50-75-100	673.7	496.3	210	
CFS0086	CXH92-240-702Y	702	427	25-50-75-100	760.2	552.2	240	
CFS0088	CXH92-280-810Y	810	455	25-50-75-100	877.2	619.4	280	
CFS0090	CXH92-300-912Y	912	474	25-50-75-100	982.5	709.5	300	

Notes:

1. Test Condition: EN12900
2. Nominal ratings are based upon: 45°C Condensing, 10K Suction Gas Superheat, 0K Liquid Sub-cooling, with economiser.
3. Compressor is not shipped with lubricant as the type of lubricant is specific to the refrigerant and application
4. Economiser sold separately

Included with compressor

- Nitrogen Charge
 - Discharge service valve complete with check valve
 - Suction service valve with flange and solder sleeve
 - Oil level switch & Electric oil heater with temperature control
 - Oil equalisation valve for parallel compressors application
 - KRIWAN Electronic protection module with discharge & motor protection PTC sensor
 - Stepless capacity control device (stepped optional)
 - Connection for liquid injection or economiser fittings
- Economiser valve kit ready for ECO installation



FRASCOLD TWIN SCREW COMPRESSORS

R-TSH SERIES: This range comprises of eight models from nominal 40HP to 120HP, with displacements from 120 to 360 cubic meters per hour at 50Hz. The R-TSH range is suited to air conditioning and medium/ high temperature applications, in the temperature operating range from + 7.5°C to -20°C SST on R404A, R407F & R449A, +12.5°C to -20°C on R407C, +20°C to -10°C on R134a.

RTSH SERIES - MED / HIGH TEMP

Stock No.	Model	Disp. (m3/hr)	Amps Mra	Cap Steps %	Nom. Cap. (kW) @ -5°C SST with Economiser			Nom. HP	Price \$ Excl. GST
					R449A	R404A	R134a		
380-420/3/50 - Three Phase									
C5261	RTSH8-40-120Y	120	85	100-75	96.9	100.8	62.9	40	
C5262	RTSH8-50-150Y	150	108	100-75	111.6	116.1	72.4	50	
C5263	NRH2-60-186Y	186	122	100-75-50	131.5	136.1	83.7	60	
C5264	NRH2-70-210Y	210	140	100-75-50	149.4	154.7	94.9	70	
C5265	NRH3-80-240Y	240	157	100-75-50	175.2	180.8	111.5	80	
C5266	NRH3-90-270Y	270	177	100-75-50	197.9	204.4	125.0	90	
C5267	NRH4-100-300Y	300	194	100-75-50	220.0	227.1	138.4	100	
C5268	NRH5-120-360Y	360	230	100-75-50	260.6	269.8	167.6	120	

Notes:

1. Test Condition: EN12900
 2. Nominal ratings are based upon: 45°C Condensing, 10K Suction Gas Superheat, 0K Liquid Sub-cooling, with economiser.
 3. Oil cooler required for most applications below -20° SST. Please contact Realcold for details and selection.
 4. Compressor is not shipped with lubricant as the type of lubricant is specific to the refrigerant and application
 5. Economiser sold separately
- Please refer to Frascold selection software or contact Realcold for ratings at other conditions.

Included With Compressor

- Capacity control device
- Suction service valve with solder sleeve
- Discharge service valve with check valve
- Integral electronic protection, includes:
 - Sensor for maximum discharge temperature
 - Sensor for maximum temperature of electric motor
- KRIWAN Electronic module

Not Included With Compressor

- Vibration absorbers
- Components for external oil piping, includes:
 - Oil strainer assembly with core
 - Solenoid valve with coil and plug
 - Electronic module for oil flow switch
 - Oil flow switch
 - Oil sight glass
 - Economiser
 - Lubricant



FRASCOLD TWIN SCREW COMPRESSORS

R-TSL SERIES: This range comprises of eight models from nominal 30HP to 100HP, with displacements from 120 to 360 cubic meters per hour at 50Hz. The R-TSL range is suited to low temperature applications, in the temperature operating range from -20°C to -45°C on R404A & R507, -20°C to -40°C on R407F & R449A.

RTSL SERIES - LOW TEMP

Stock No.	Model	Disp. (m3/hr)	Amps Mra	Cap Steps %	Nom. Cap. (kW) @ -25°C SST with Economiser		Nom. HP	Price \$ Excl. GST
					R449A	R404A		
380-420/3/50 - Three Phase								
C5271	RTSL1-30-120Y	120	51	100-75	41.5	45.8	30	
C5272	RTSL1-40-150Y	150	68	100-75	52.1	57.4	40	
C5273	NRL2-50-186Y	186	89	100-75-50	63.9	70.5	50	
C5274	NRL2-60-210Y	210	108	100-75-50	72.4	79.9	60	
C5275	NRL3-70-240Y	240	122	100-75-50	83.2	92.1	70	
C5276	NRL3-80-270Y	270	140	100-75-50	93.8	104.1	80	
C5277	NRL4-90-300Y	300	157	100-75-50	104.2	114.8	90	
C5278	NRL5-100-360Y	360	177	100-75-50	126.7	139.7	100	

Notes:

1. Test Condition: EN12900
 2. Nominal ratings are based upon: 45°C Condensing, 10K Suction Gas Superheat, 0K Liquid Sub-cooling, with economiser.
 3. Oil cooler required for most applications below -20° SST. Please contact Realcold for details and selection.
 4. Compressor is not shipped with lubricant as the type of lubricant is specific to the refrigerant and application
 5. Economiser sold separately
- Please refer to Frascold selection software or contact Realcold for ratings at other conditions.

Included With Compressor

- Capacity control device
- Suction service valve with solder sleeve
- Discharge service valve with check valve
- Integral electronic protection, includes:
- Sensor for maximum discharge temperature
- Sensor for maximum temperature of electric motor
- KRIWAN Electronic module

Not Included With Compressor

- Vibration absorbers
- Components for external oil piping, includes:
- Oil strainer assembly with core
- Solenoid valve with coil and plug
- Electronic module for oil flow switch
- Oil flow switch
- Oil sight glass
- Economiser
- Lubricant

SCREW PARTS


Stock No.	Remote Oil Separator	Visual Indicator For Oil Strainer Clogging	Electric Indicator For Oil Strainer Clogging	Water Cooled Oil Cooler	Economiser Kit for R22	Economiser Kit for R404A / R507
RTSH8-40-120Y	TOOWK200	TOOWK150	TOOWK151	SZ-WOC1	–	–
RTSH8-50-150Y	TOOWK200	TOOWK150	TOOWK151	SZ-WOC1	–	–
NRH2-60-186Y	TOOWK200	TOOWK150	TOOWK151	SZ-WOC1	–	–
NRH2-70-210Y	TOOWK200	TOOWK150	TOOWK151	SZ-WOC1	–	–
NRH3-80-240Y	TOOWK201	TOOWK150	TOOWK151	SZ-WOC1	–	–
NRH3-90-270Y	TOOWK201	TOOWK150	TOOWK151	SZ-WOC1	–	–
NRH4-100-300Y	TOOWK201	TOOWK150	TOOWK151	SZ-WOC1	–	–
NRH5-120-360Y	TOOWK201	TOOWK150	TOOWK151	SZ-WOC2	–	–
RTSL1-30-120Y	TOOWK200	TOOWK150	TOOWK151	SZ-WOC2	TOOWK300	TOOWK301
RTSL1-40-150Y	TOOWK200	TOOWK150	TOOWK151	SZ-WOC1	TOOWK300	TOOWK301
NRL2-50-186Y	TOOWK200	TOOWK150	TOOWK151	SZ-WOC1	TOOWK302	TOOWK303
NRL2-60-210Y	TOOWK200	TOOWK150	TOOWK151	SZ-WOC1	TOOWK302	TOOWK303
NRL3-70-240Y	TOOWK200	TOOWK150	TOOWK151	SZ-WOC1	TOOWK304	TOOWK305
NRL3-80-270Y	TOOWK200	TOOWK150	TOOWK151	SZ-WOC1	TOOWK304	TOOWK305
NRL4-90-300Y	TOOWK201	TOOWK150	TOOWK151	SZ-WOC2	TOOWK306	TOOWK307
NRL5-100-360Y	TOOWK201	TOOWK150	TOOWK151	SZ-WOC2	TOOWK306	TOOWK307

DEFROST CONTROLS - PARAGON

Stock No.	Model	Description	Price \$ Excl. GST
G0090	8145-21	<ul style="list-style-type: none"> • Time initiated - remote temperature or pressure terminated. • 1 - 6 defrosts per 24 hours. • Minimum of 4 hours between defrost. • Length of defrost 4 to 110 minutes in 2 minute increments. • Has relay contact facility. • Suitable for 208 - 240 V 50 Hz. • Maximum contact rating is 25 Amps. 	
G0091	632-21*	<ul style="list-style-type: none"> • Time initiated, time terminated with fan delay. • 1 - 8 defrost per 24 hours • Minimum of 3 hours between defrosts. • Pre-defrost delay 0 to 30 minutes in 3 minute increments. • Defrost period 3 to 45 minutes in 3 minute increments. • Post defrost delay 3 to 15 minutes in 3 minute increments. • Suitable for 208 - 240 V 50 Hz. • Maximum contact rating is 10 Amps. 	
G0092	8045-21	<ul style="list-style-type: none"> • Time initiated, time terminated. • 1 - 6 defrosts per 24 hours. • Minimum of 4 hours between defrosts. • Length of defrost 4 - 110 minutes in 2 minute increments. • For basic defrost systems. • Suitable for 220 - 240 V 50 Hz. • Maximum contact rating is 40 Amps. 	
G0093	8245-21	<ul style="list-style-type: none"> • Time initiated, pressure terminated. • 1 - 6 defrosts per 24 hours. • Minimum of 4 hours between defrosts. • Length of defrost 4 to 110 minutes in 2 minute increments. • Adjustable cut-in setting dial calibrated from 36-110 psi (248 - 758 kPa) for R12, R22, R502. • Suitable for 208 - 240 V 50 Hz. • Maximum contact rating is 40 Amps. 	


Components
COMPACT TIMER - FRIGO FLASH

Stock No.	Model	Description	Price \$ Excl. GST
G0084	16022*	<ul style="list-style-type: none"> • Compact Series 72 mm x 72 mm • 24 hour clock • Supply voltage 220 / 240 V +10% - 15% 50 / 60 Hz • Operating Temperature: -10°C / +50°C • 10 minute programming segments • 72 switchings per day • Minimum interval between 2 switchings: 2 Hours • Contact ratings: 16 Amp resistive, 3 Amp inductive 	



* NB: External relay may be required in some applications.

DEFROST SAFETY THERMOSTATS

Stock No.	Model	Description	Price \$ Excl. GST
G0014	ML55	Thermostat Open +13°C / Close +2°C, 10 Amps	
G0016	ML70	Thermostat Open +21°C / Close +10°C, 10 Amps	
G0020	SL243	Surface Mount Clip (3 per Pack)	
G0022	SL249	Tube Mount Clip 3/8 - 1/2 - 5/8 (3 per Pack)	


DEFROST HEATER TAPE

Stock No.	Model	Description	Price \$ Excl. GST
N0626	FST25	Self Regulating Heat Trace Cable. 25 watts per metre at 10°C, 230V. Minimum installation temperature -40°C	
N0635		Termination Kit - FCT BTV-2	



N0626 can be used in evaporator drains, provided correct termination kits are fitted.

HEATED CONDENSATE DRAIN PAN

The MA-Line condensate evaporator pan eliminates floor drains. The unit is made of die-cast aluminium and the resulting hard, bright surface give the pan unequalled efficiency and trouble free operation. The pan is self standing. All terminal connections are covered with moisture proof rubber. Evaporation rate is 225ml per hour at 22°C room temperature. The unit's heating element is sealed in 1/4" Bundy weld tubing.

Stock No.	Description	Voltage	Watts	Dimensions (mm)			Price \$ Excl. GST
				L	W	H	
C4080	Heated Condensate Pan	240V	160	260	103	60	





ELECTRONIC CONTROLS - RDM

SMART CONTROLLERS - PANEL MOUNT (Probe Included)

The Smart controller is a economical temperature controller. It is available in several hardware variants with one or two temperature probe inputs and one or three relay outputs (see table below).

The first temperature probe is an air on evaporator probe and the second (if fitted) is user selectable between air off evaporator probe or defrost termination probe.

Features include:

- Up to two temperature probe inputs
- Optional communication interfaces (IP/RS485)
- Over temp/under temp alarms



Stock No.	Model	Application	Volts	Relay 1	Fan	Defrost	Real Time Clock	Aux.	Price \$ Excl. GST
230V AC Version									
RDM0940-1	PR0940 1-1 P	Med Temp	230V	8A	-	-	-	-	
RDM0940-2	PR0940 2-3 P	Low Temp	230V	8A	3A	3A	-	-	

Notes:

- The controller comes supplied with 1.5m NTC2K Air Probe(s) in the box.
- The Smart Controller (PR0940) does not support electronic expansion valve control or stepper valve control. For these applications please refer to the Mercury Controller range.

SMART COLD ROOM CONTROLLER (Probes Included)

Self-contained and perfect for economical installations where affordable temperature control is the primary function and networking is not necessarily a requirement.

Features include:

- Two temperature probe inputs
- Door switch input
- Person trap alarm input
- Four fuse protected relay outputs
- Built-in temperature and configuration display with notification LEDs, keypad, and alarm sounder
- 40 amp isolator switch
- Three built in configuration modes (HT, MT & LT)



Stock No.	Model	Application	Volts	Relay 1	Fan	Defrost	Real Time Clock	Aux.	Price \$ Excl. GST
230V AC Version									
RDM0946-S	PR0946 S	Med / Low Temp	230V	12.5A	12.5A	12.5A	-	12.5A	

Notes:

- The controller comes supplied with 2 x 1.5m NTC2K Air Probes in the box. This controller only supports NTC2K probes.
- The PR0946 Smart controller does not support electronic expansion valve control, for these applications please refer to the PR0150 Coldroom Panel Controller range. Please refer to **Page 133** for probes and accessories.



ELECTRONIC CONTROLS - RDM

MERCURY CONTROLLERS

The Mercury Mk3 controller is primarily intended for use in refrigeration display cabinets or coldroom applications. It will switch the evaporator valve (LLV or EEV) based on the value of its temperature or pressure input. It has outputs to control lights, fans, suction valve, trim heaters and defrost control. It can have variable inputs for reading a pressure transducer along with two digital inputs that can be added to, by utilising the switched resistors feature.

Mercury Controllers come with a range of communication options, including RS232 interface. Built-in RS232 allows the controller to be connected to a range of external network modules providing IP, Genus® RS485 or Wireless network communication.

When space is limited behind the display it can be supplied with a remote display and keypad on a 5m flying lead.

The controller supports PT1000, NTC2K, 470R, 700R, 3K, 5K, 6K, NTC2K25, NTC10K or NTC10K(2) temperature probes.

Note: probe types cannot be mixed.



MERCURY 3 - PANEL MOUNT (Probes Not Included)

Stock No.	Model	Application	Volts	Relay 1	Fan	Defrost	Real Time Clock	Aux.	Price \$ Excl. GST
230V AC Version									
RDM0740-MD	PR0740 MD 232 CAS	LLV	230V	6A	6A	6A	Yes	6A	
RDM0740-ED	PR0740 ED 232 CAS	EEV	230V	1.5	6A	6A	Yes	6A	
RDM0740-SD	PR0740 SD 232 STEP	Stepper	24V	6A	6A	3A	Yes	6A	



INTUITIVE MERCURY - DIN MOUNT (Probes Not Included)

Stock No.	Model	Application	Volts	Relay 1	Fan	Defrost	Real Time Clock	Aux.	Price \$ Excl. GST
230V AC Version									
RDM0750	PR0750	LLV	230V	10A	10A	10A	-	10A	
RDM0751	PR0751	EEV	230V	1.5A	10A	10A	-	10A	

Please refer to **Page 133** for probes and accessories.



ELECTRONIC CONTROLS - RDM

COLDROOM PANEL CONTROLLERS

The Mercury Coldroom panel has been specifically developed to suit a variety of coldroom needs. The purpose developed enclosure has a detachable display/keypad for applications where the main enclosure is required to be "out of reach". The panel comes with a main isolator switch. Each internal circuit has either fuse or circuit breaker protection.

Based on Mercury technology, the controller has parameters that give this product complete flexibility for controlling either produce (HT) or freezer coldrooms (LT).

Contained within a purpose built enclosure, with detachable remote display. The standard coldroom panel can be configured for either EEV or LLV control, and include a variety of networking and electrical safety options dependent upon your specific needs.

The controller supports PT1000, NTC2K, 470R, 700R, 3K, 5K, 6K, NTC2K25, NTC10K or NTC10K(2) temperature probes.

Note: Probe types cannot be mixed.



COLDROOM PANEL CONTROLLER (Probes Not Included)

Stock No.	Model	Application	Volts	Relay 1	Fan	Defrost	Real Time Clock	Light	Price \$ Excl. GST
230V AC Version									
RDM0150-MSB	PR0150-MSB	LLV	230V	10A	8A	20A	Yes	6A	
RDM0150-ESB	PR0150-ESB	EEV	230V	5A	8A	20A	Yes	6A	
RDM0150-SSB	PR0150-SSB	Stepper	230V	10A	8A	20A	Yes	6A	

Notes:

- Relay 1 (Compressor/LLV) and Relay 2 (Defrost) MCB/Fuse can be interchanged to allow the higher rated MCB/Fuse, 20A, to be used on the Compressor/LLV relay output and the lower rated MCB/Fuse, 10A, to be used on the Defrost relay output.
- Please refer to **Page 133** for probes and accessories.


RDM CONTROLLER ACCESSORIES
TEMPERATURE SENSORS

Stock No.	Model	Description	Range (°C)	Length (m)	Price \$ Excl. GST
RDMPT1000-A	PR0170	PT1000 Air probe. Range -40°C to +80°C	-40 to +80	6	
RDMPT1000-P	PR0180	PT1000 Pipe probe. Range -40°C to +80°C		6	
RDMNTC	PR0240	NTC2K Air Probe. Range -40°C to +80°C		7	


PRESSURE TRANSDUCERS

Stock No.	Model	Description	Range (bar)	Length (m)	Price \$ Excl. GST
RDM0160	PR0160	4-20mA Transducer (-14.5 to 290 PSI) with 1/4in NTP Male fitting	-1 to 20	2	
RDM0161	PR0161	4-20mA Transducer (-14.5 to 290 PSI) to suit 1/4" schrader valve c/w depressor	-1 to 20	2	
RDM0162	PR0162	4-20mA Transducer (-14.5 to 940 PSI) with 1/4in NTP Male fitting	-1 to 65	2	
RDM0163	PR0163	4-20mA Transducer (-14.5 to 940 PSI) to suit 1/4" schrader valve c/w depressor	-1 to 65	2	
RDM0164	PR0164	4-20mA Transducer (0 to 1810 PSI) with 1/4in NTP Male fitting	0 to 125	2	


STEPPER CONTROLLER ACCESSORIES

Stock No.	Model	Description	Price \$ Excl. GST
RDM0627DIN	PR0627DIN	Intuitive Power Store DIN. 24v Ac or DC, 2.5A maximum	
RDM0656	PR0656	Inline Stepper Motor Filter	



ELECTRONIC CONTROLS - CAREL
CAREL IR33+ SERIES - PANEL MOUNT (Probe Not Included)

Stock No.	Model	Application	Volts	Comp.	Defrost	Fan	Real Time Clock	Aux.	Price \$ Excl. GST
12/24V AC/DC Version									
G4501A	IREVSOLNOU	Med Temp	12/24V	12A	-	-	-	-	
G4503A	IREVCOLNOU	Low Temp	12/24V	12A	8A	8A	-	8A	
230V AC Version									
G4505A	IREVSOEAOU	Med Temp	230V	12A	-	-	-	8A	
G4507A	IREVFOENOU	Low Temp	230V	12A	8A	5A	-		
115/230V AC Version									
G4509A	IREVCOHNOU	Low Temp	115/230V	12A	8A	8A	-	8A	
G4511A	IREVCOHCOU	Low Temp	115/230V	12A	8A	8A	Yes	8A	


CAREL EASY SERIES - PANEL MOUNT (Probe Included)

Stock No.	Model	Application	Volts	Comp.	Defrost	Fan	Real Time Clock	Aux.	Price \$ Excl. GST
230V AC Version									
G4506	PJEZSOH000	Med Temp	230V	10A	-	-	-	-	
G4508	PJEZCOO000	Low Temp	230V	8A	8A	8A	-	-	


CAREL DN33 SERIES - DIN MOUNT (Probe Not Included)

Stock No.	Model	Application	Volts	Comp.	Defrost	Fan	Real Time Clock	Aux.	Price \$ Excl. GST
230V AC Version									
G4512	DN33SOEN00	Med Temp	230V	12A	-	-	-	-	
G4513	DN33FOEN00	Low Temp	230V	12A	8A	8A	-	-	



Please refer to **Page 135** for probes and accessories.

ELECTRONIC CONTROLLER ACCESSORIES
TEMPERATURE SENSORS

Stock No.	Model	Description	Price \$ Excl. GST
G4550	NTC015WH01	1.5 mtr x 6mm Ø NTC probe. IP68 sensor. Range -50 to +100°C	
G4552	NTC060WH01	6.0 mtr x 6mm Ø NTC probe. IP68 sensor. Range -50 to +100°C	


ENCLOSURES

Stock No.	Description	Price \$ Excl. GST
G4302	Standard Enclosure with cut out for panel mount controllers	
G4306	Large Enclosure with cut out for panel mount controllers	


EUROBOX ENCLOSURE - IP66 RATED

Stock No.	Model	Description	Price \$ Excl. GST
G4536	EBOX04M66	Eurobox Enclosure to suit DIN controllers - IP66 rated. Dimensions: 190 x 112 x 106mm	



PRESSURE

PRESSURE CONTROLS
LOW PRESSURE CONTROLS

Stock No.	Model	Range (kPa)	Differential (kPa)	Conn.	Reset	Price \$ Excl. GST
G0044	O16-8713	-30 to 700	60 to 400	Capillary	Auto	
G0050	O16-8706	-30 to 700	60 to 400	1/4" M.Fl	Auto	


HIGH PRESSURE CONTROLS

Stock No.	Model	Range (kPa)	Differential (kPa)	Conn.	Reset	Price \$ Excl. GST
G0053	O16-8750	700 to 3000	250 to 800	1/4" M.Fl	Auto	
G0054	O16-8751	700 to 3000	320 fixed	1/4" M.Fl	Manual	


DUAL PRESSURE CONTROLS

Stock No.	Model	Range (kPa)	Differential (kPa)	Conn.	Reset	Price \$ Excl. GST
G0048	O17-8711	Low: -30 to 700 High: 700 to 3000	Low: 60 to 400 High: 350 fixed	Capillary	Auto / Auto	
G0056	O17-8701	Low: -30 to 700 High: 700 to 3000	Low: 60 to 400 High: 350 fixed	1/4" M.Fl	Auto / Auto	
G0055	O17-8705	Low: -30 to 700 High: 700 to 3000	Low: 60 to 400 High: Man. Reset	1/4" M.Fl	Auto / Manual	


DUAL PRESSURE CONTROLS

Stock No.	Model	Range (kPa)	Differential (kPa)	Conn.	Reset	Price \$ Excl. GST
G1015	DYS-D306X3A	Low: -60 to 600 High: 800 to 3000	Low: 60 to 400 High: 400 fixed"	1/4" M.Fl	Auto / Auto	
G1010	DYS-D306X3MA	Low: -60 to 600 High: 800 to 3000	Low: 60 to 400 High: Man. Reset	1/4" M.Fl	Auto / Manual	



Note: Saginomiya Dual pressure controls are supplied with mounting bracket

PRESSURE CONTROL ACCESSORIES

Stock No.	Description	Price \$ Excl. GST
G0203	Ranco Dual Pressure Switch Replacement Cover	
G0204	Ranco Single Pressure Switch Replacement Cover	
G0057	Angle Mounting Bracket	
G0146	Flat Mounting Bracket	
G0060	Capillary Adaptor - 600mm long	
G0058	Capillary Adaptor - 900mm long	
G0061	Capillary Adaptor - 900mm long with depressor	
G0062	Capillary Adaptor - 1000mm long	




OIL DIFFERENTIAL PROTECTION CONTROLS - (Oil Failure)

Stock No.	Model	Time Delay (Sec)	Press. Range Adj. (psi)	Cap. Length (mm)	Reset	Price \$ Excl. GST
G0096	P30-3601	60	10 - 60	915	Manual	
G0097	P30-3701	90	10 - 80	915	Manual	
G0099	P30-3801	120	10 - 60	915	Manual	



* The P30 Ranco controls are complete with copper capillaries and flare nuts.

FLEXIBLE HOSE

Stock No.	Description	Length (mm)	Price \$ Excl. GST
G0070M	Flexible Hose - 1/4" F.Fl x 1/4" F.Fl 90°	305	
G0071M	Flexible Hose - 1/4" F.Fl x 1/4" F.Fl 90°	457	
G0072M	Flexible Hose - 1/4" F.Fl x 1/4" F.Fl 90°	610	
G0074M	Flexible Hose - 1/4" F.Fl x 1/4" F.Fl 90°	915	
G0075M	Flexible Hose - 1/4" F.Fl x 1/4" F.Fl 90°	1219	
G0076M	Flexible Hose - 1/4" F.Fl x 1/4" F.Fl 90°	1524	



- These hoses are designed for permanent installation and have a 1/4" F.Fl metal to metal seat. Copper gaskets recommended. Suitable for capillary lines, etc.
- The minimum operating temperatures these hoses can be safely used at is -30°C, and the maximum is 93°C.


PRESSURE ACTUATED FAN SPEED CONTROLLERS

Stock No.	Model	Description	Price \$ Excl. GST
G1121	RGE-Z1N4-7	Saginomiya Fan Speed Controller - 220-240V - 0.2 to 4 Amps R404A, R407C, R22 & adjustable for R134a	
G1124	RGE-Z1Q4-7	Saginomiya Fan Speed Controller - 220-240V - 0.2 to 8 Amps R404A, R407C, R22 & adjustable for R134a	


EC CONTROLLERS

Stock No.	Model	Description	Price \$ Excl. GST
BZPR51000212	CBG-30AV	EC 0-10V Fan Speed Control. Stainless Steel Case. 0-30 Bar scale. 7/16-20 UNF connection with schrader depressor.	
BZPR51000230	CBG-50AV	EC 0-10V Fan Speed Control. Stainless Steel Case. 0-50 Bar scale. 7/16-20 UNF connection with schrader depressor.	


WATER FLOW SWITCH

Stock No.	Model	Description	Connection	Fluid Temp (°C)	Price \$ Excl. GST
G1090	FQS-U30G	Liquid Flow Switch	1" NPT	5 to 80	



- For use on liquid lines such as water, ethylene glycol, or any non-corrosive fluid in chillers, pumps, condensers, boilers, etc.
- Paddle consists of three segments that can be removed or trimmed for use in 1 to 6" pipe.

ENCAPSULATED PRESSURE CONTROLS

- Pressure Control CB series are small disc type pressure controls featuring compact structure and proven reliability.
- Type ACB - High & Medium pressure range
- Type LCB - Low pressure range

Stock No.	Model	Application	Cut Out (psi)	Cut In (psi)	Reset	Cable Colour	Conn. (F.I)	Price \$ Excl. GST
G1160	LCB-PA48	Low Pressure Cut Out	6	21	Auto	Blue	1/4"	
G1162	LCB-PA95		10	25	Auto	Blue		
G1164	LCB-PA96		35	60	Auto	Blue		
G1168	ACB-PA53	High Pressure Cut Out	170	250	Auto	Red		
G1170	ACB-PA55		200	259	Auto	Red		
G1174	ACB-PB52		385	310	Auto	Red		
G1176	ACB-PB111		400	300	Auto	Red		
G1178	ACB-PB112M		400	<300	Manual	Red		
G1180	ACB-PB113		350	250	Auto	Red		




COMMERCIAL THERMOSTATS - RANCO

Stock No.	Model	Range (°C)	Diff. (°C)	Sensor Type	Capillary Length (m)	Price \$ Excl. GST
G0125	O16-6950	-35 to -7	1.7 to 12	9.5mm Ø coiled capillary	2.0	
G0130	O16-6951	-18 to +13	1.7 to 12	9.5mm Ø coiled capillary	2.0	
G0135	O16-6954	-5 to +25	1.7 to 12	9.5mm Ø coiled capillary	2.0	
G0136	O16-6924	-5 to +25	1.7 to 12	Straight Capillary Tube	2.0	
G0140	O16-6980	-18 to +13	1.7 to 12	14.5mm Ø Cross Ambient Bulb	2.0	
G0145	O16-6981	-5 to +25	1.7 to 12	14.5mm Ø Cross Ambient Bulb	2.0	
G0148	O16-6983	+10 to +40	1.7 to 12	14.5mm Ø Cross Ambient Bulb	1.8	


MOUNTING BRACKET

Stock No.	Description	Price \$ Excl. GST
G0146	Flat Mounting Bracket to suit Ranco Thermostats	


ICE THICKNESS CONTROLLER

Stock No.	Model	Description	Price \$ Excl. GST
G0205	E37-M1201	Ice Differential Control	
G0206	L56H3001001K	L56 Probe assembly - 3 metres	


COMMERCIAL THERMOSTATS - SAGINOMIYA

Stock No.	Model	Range (°C)	Diff. (°C)	Sensor Type	Capillary Length (m)	Price \$ Excl. GST
G1052	XWS-C1030AGL2	-35 to +30	2 to 7	9.5mm Ø x 100mm bulb	2.0	
G1053	XWS-C1060AGL2	-5 to +60	2 to 7	9.5mm Ø x 100mm bulb	2.0	
G1054	CNS-C114XM2	-15° to 15	Man. Reset Fixed Diff.	6mm Ø x 80mm bulb	1.0	




DOMESTIC THERMOSTATS - RANCO

Stock No.	Model	Application	Cold Out °C	Normal Out °C	Normal In °C	Warm In °C	Price \$ Excl. GST
G0109	VCI (K50-P1110)	Refrigerator - Single Temp. Cabinet	-23	-14.5	-5	+2	
G0108	VF3 (K50-P1117)	Freezer & Ice Cream Cabinet	-34	-24.0	-18	-12	
G0114	VB7 (K50-P1118)	Bottle Cabinet	-3	-	+2	+12.5	
G0119	VT9 (K59-L1102)	Refrigerator - Dual Temperature	-26	-11	-	+3.5	


BOTTLE COOLER THERMOSTAT - SAGINOMIYA

Stock No.	Model	Application	Cold Out °C	Normal Out °C	Normal In °C	Warm In °C	Price \$ Excl. GST
G1061	DTB-X178	Bottle cabinet thermostat (Skope)	-10	-	+2.9	+5.0	



LOCKSETS

Stock No.	Model	Description	Price \$ Excl. GST
V0121	CH-5612	Lockset complete with internal release. Adjustable strike, offset 16-32 mm"	
V0300	CH-1178	Lockset complete with internal release. Adjustable strike, offset 45-70 mm	
V0356	CH-1100	Internal Safety Release Mechanism to suit CH-1178	
V0302	CH-1200	Edgemount. Adj. strike, offset 18-22 mm	


HINGES

Stock No.	Model	Description	Price \$ Excl. GST
V0316	CH-1450	Hinge 32-50mm adjustable offset. Approx 250m long	
V0318	CH-1460	Hinge 32-60mm adjustable offset. Approx 250m long	
V0320	CT-1470	Hinge 40-70mm adjustable offset. Approx 335m long	


GASKET

Stock No.	Description	Price \$ Excl. GST
V0245	'R' Section Rubber door gasket - per metre	




BLUEMAY NYLON EVAPORATOR MOUNTING KITS

Stock No.	Model	Contains	Rec. Max. Safe Working Load	Price \$ Excl. GST
Bluemay Mounting Kits				
J3210	Bluemay Chiller 4 Bolt Kit Bolt - 10 mm diameter and 150 mm length	4 x J3180 bolt 4 x J3040 nut 4 x J3060 washer faced nut 4 x J3130 washer	320 Kg	
J3212	Bluemay Freezer Kit 4 Bolt Kit Bolt - 10 mm diameter and 250 mm length	4 x J3182 bolt 4 x J3040 nut 4 x J3060 washer faced nut 4 x J3130 washer	320 Kg	
J3211	Bluemay Chiller 6 Bolt Kit Bolt - 10 mm diameter and 150 mm length	6 x J3180 bolt 6 x J3040 nut 6 x J3060 washer faced nut 6 x J3130 washer	480 Kg	
J3213	Bluemay Freezer 6 Bolt Kit Bolt - 10 mm diameter and 250 mm length	6 x J3182 bolt 6 x J3040 nut 6 x J3060 washer faced nut 6 x J3130 washer	480 Kg	


Notes:

- Not recommended for below -30°C. Refer to technical data for temperature limitations.
- Care should be taken not to over-tighten nuts when used with thermoplastic threaded rod.
- Nuts should be tightened by hand and given half a turn with a spanner.
- The use of steel or brass nuts with Thermoplastic rod is not recommended.


BLUEMAY NYLON HANGER BOLTS

Stock No.	Description	Rec. Max. Safe Working Load	Price \$ Excl. GST
Threaded Rod			
J3010	Nylon Threaded Rod - M10 x 1.0 metre	80 Kg	
J3012	Nylon Threaded Rod - M12 x 1.0 metre	120 Kg	
Buffalo Panel Bolts			
J3180	Nylon Panel Bolts - M10 x 150 mm	80 Kg	
J3182	Nylon Panel Bolts - M10 x 255 mm	80 Kg	
J3190	Nylon Panel Bolts - M12 x 150 mm	120 Kg	
J3192	Nylon Panel Bolts - M12 x 250 mm	120 Kg	
Full Hexagonal Nuts			
J3040	Nylon Full Hex Nuts - M10		
J3042	Nylon Full Hex Nuts - M12		
Washer Faced Nuts			
J3060	Nylon Washer Faced Nut - M10		
J3062	Nylon Washer Faced Nut - M12		
Dome Nuts			
J3080	Nylon Dome Nut - M10		
J3082	Nylon Dome Nut - M12		
Buffalo T-Nut			
J3160	Nylon T-Nut - M10		
J3162	Nylon T-Nut - M12		
Washer - Standard			
J3110	Nylon Standard Washer - M10		
J3112	Nylon Standard Washer - M12		
Washer - Load Spreading			
J3130	Nylon Load Bearing Washer (small) - M10		
J3131	Nylon Load Bearing Washer (large) - M10		
J3142	Nylon Load Bearing Washer (small) - M12		
J3143	Nylon Load Bearing Washer (large) - M12		


MUSHROOM HEAD BOLTS

Stock No.	Description	Price \$ Excl. GST
J1285	Mushroom Head Bolt - M16 x 250 mm	
J1287	Mushroom Head Bolt - M16 x 300 mm	
J1290	Nylon Nut - M16	
J1292	Nylon Washer - M16	



ROOM THERMOMETERS

F87 R series dial thermometers with reversible flange, black resin case and flange, white dial with black numbers, bulb Ø 7.5 mm. Range -40°C to +40°C and can be easily calibrated.

Stock No.	Model	Dia. (mm)	Range (°C)	Description	Price \$ Excl. GST
U0080	F87R60-3.0	60	-40 to +40	Thermometer with 3.0m capillary	
U0082	F87R80-3.0	80	-40 to +40	Thermometer with 3.0m capillary	
U0084	F87R100-3.0	100	-40 to +40	Thermometer with 3.0m capillary	
U0091	F87R100-6.0	100	-40 to +40	Thermometer with 6.0m capillary	



CABINET THERMOMETERS

Stock No.	Model	Description	Price \$ Excl. GST
U0147	540	Cabinet thermometer with 64mm dial -40°C /+40°C. Stainless steel case. With foot for standing & hook for hanging.	
U0148	519B	Cabinet thermometer with 64mm dial -40°C /+40°C. Acrylic resin case, with hook for hanging.	



TUBE - HARD DRAWN



MUELLER HARD DRAWN COPPER TUBE

Stock No..	Tube O.D.		Wall Thickness mm	Safe Working Press.		Length (m)	Price \$ Excl. GST
	inch	mm		psi	kPa		
H0058	3/8	9.53	0.76	869	5992	5.0	
H0059	1/2	12.70	0.89	757	5220		
H0060	5/8	15.88	1.02	700	4886		
H0061	3/4	19.05	1.07	700	4886		
H0062	7/8	22.23	1.14	700	4886		
H0063	1-1/8	28.58	1.27	700	4886		
H0064	1-3/8	34.93	1.40	700	4886		
H0065	1-5/8	41.28	1.52	387	2668		
H0075	2-1/8	53.98	1.78	345	2379		
H0076	2-5/8	66.68	2.03	318	2193		
H0077	3-1/8	79.38	2.29	301	2075		



Mueller copper tube and fittings are UL Recognized to 700 PSI. This recognition follows years of testing that includes hoop strain, cyclic fatigue, hydrostatic burst, thermal cycling, and more. The testing and third party certification validates performance of these products to operating pressures of 700psi at 120°C (250°F).

Refrigeration grade dehydrated and nitrogen charged.

Copper tube manufactured in accordance with AS1571 and conforms to AS/NZS 5149 : 2016.

THICK WALL - HARD DRAWN COPPER TUBE

Stock No.	Tube O.D.		Wall Thickness mm	Safe Working Press.		Length (m)	Price \$ Excl. GST
	inch	mm		psi	kPa		
H1719	3/4	19.05	1.18	665	4583	5.8	
H1722	7/8	22.23	1.63	795	5478		
H1728	1-1/8	28.58	1.83	688	4746		
H1735	1-3/8	34.93	2.15	660	4553		
H1742	1-5/8	41.28	2.6	677	4665		



Refrigeration grade, dehydrated and nitrogen purged, sealed copper tube. Manufactured in accordance with AS/NZ 1571 ASTM B 280 Refrigeration Code. Manufactured in accordance with ASTM B88 - Cleaned in accordance with ASTM B280.

SOFT DRAWN COPPER TUBE

Stock No.	Tube O.D.		Wall Thickness mm	Safe Working Press.		Length (m)	Price \$ Excl. GST
	inch	mm		psi	kPa		
H0031	1/4	6.35	0.81	1711	11796	15.0	
H0032	3/16	4.76	0.81	2371	16349		
H0033	5/16	7.94	0.81	1338	9226		
H0034	3/8	9.5	0.81	930	6414		
H0035	1/2	12.5	0.81	686	4727		
H0036	5/8	15.8	0.89	813	5602		
H0037	3/4	19	0.89	495	3413		
H0038	7/8	22.2	1.14	555	3830		



Refrigeration grade dehydrated and nitrogen purged copper tube.
 Manufactured in accordance with AS1571 and conforms to AS/NZS 5149 : 2016.


TOYO PRE- INSULATED PAIR COIL - (R410A rated)

Stock No.	Size (inch)	Description	Length (m)	Price \$ Excl. GST
AC0002	1/4 x 3/8	Toyo Pre-insulated Pair Coil	20	
AC0003	1/4 x 1/2			
AC0004	1/4 x 5/8			
AC0005	3/8 x 5/8			
AC0006	3/8 x 3/4			


TOYO PRE-INSULATED SINGLE COIL - (R410A rated)

Stock No.	Size (inch)	Description	Length (m)	Price \$ Excl. GST
AC0010	1/4	Toyo Pre-insulated Single Coil	20	
AC0011	3/8			
AC0012	1/2			
AC0013	5/8			
AC0014	3/4			


REALCOLD PRE-INSULATED PAIR COIL - (R410A rated)

Stock No.	Size (inch)	Description	Length (m)	Price \$ Excl. GST
AC0056	1/4 x 3/8	Pre-insulated Pair Coil	20	
AC0057	1/4 x 1/2			
AC0058	1/4 x 5/8			
AC0059	3/8 x 5/8			
AC0055	3/8 x 3/4			


FIRE RATED PRE- INSULATED PAIR COIL - (R410A rated)

For the fire rating classification, please check with your local Realcold branch.

Stock No.	Size (inch)	Description	Length (m)	Price \$ Excl. GST
AC0040	1/4 x 3/8	Fire Rated Pre-insulated Pair Coil	20	
AC0041	1/4 x 1/2			
AC0042	1/4 x 5/8			
AC0043	3/8 x 5/8			
AC0044	3/8 x 3/4			


INTERNAL PIPE BENDERS - FOR PAIR COIL

Stock No.	Model	Description	Price \$ Excl. GST
T4323	PB38	3/8" Internal Pipe Bender	
T4324	PB12	1/2" Internal Pipe Bender	
T4325	PB58	5/8" Internal Pipe Bender	
T4326	PB34	3/4" Internal Pipe Bender	





LONG RADIUS 90° COPPER ELBOWS (Female)

Stock No.	Size (inch)	R410A Rated	Price \$ Excl. GST
J1002	1/4"	√	
J1002A	3/8"	√	
J1154	1/2"	√	
J1155	5/8"	√	
J1156	3/4"	√	
J1157	7/8"	√	
J1159	1-1/8"		
J8019	1-1/8"	√	

Stock No.	Size (inch)	R410A Rated	Price \$ Excl. GST
J1161	1-3/8"		
J8020A	1-3/8"	√	
J1163	1-5/8"		
J8023A	1-5/8"	√	
J1165	2-1/8"		
J1167	2-5/8"		
J1169	3-1/8"		



LONG RADIUS 90° COPPER ELBOWS (Male to Female)

Stock No.	Size (inch)	R410A Rated	Price \$ Excl. GST
J1391	3/4"		
J1392	7/8"		
J1393	1-1/8"	√	
J1394	1-3/8"		

Stock No.	Size (inch)	R410A Rated	Price \$ Excl. GST
J1395	1-5/8"		
J1396	2-1/8"		
J1397	2-5/8"		



SHORT RADIUS 90° COPPER ELBOWS

Stock No.	Size (inch)	R410A Rated	Price \$ Excl. GST
J1003	3/8"	√	
J1004	1/2"	√	
J1005	5/8"	√	
J1110	3/4"	√	
J1111	7/8"	√	
J1113	1-1/8"		

Stock No.	Size (inch)	R410A Rated	Price \$ Excl. GST
J1114	1-3/8"		
J1115	1-5/8"		
J1116	2-1/8"		
J1117	2-5/8"		
J1118	3-1/8"		



45° COPPER ELBOW

Stock No.	Size (inch)	R410A Rated	Price \$ Excl. GST
J0992	3/8"	√	
J0991	1/2"	√	
J0993	5/8"	√	
J0994	3/4"	√	
J0995	7/8"	√	
J0998	1-1/8"		
J8046	1-1/8"	√	

Stock No.	Size (inch)	R410A Rated	Price \$ Excl. GST
J0999	1-3/8"		
J8049	1-3/8"	√	
J1000	1-5/8"		
J8051	1-5/8"	√	
J1001	2-1/8"		
J0988	2-5/8"		
J0989	3-1/8"		



Components

COPPER REDUCERS (Coupling ID X ID)

Stock No..	Size OD (inch)	Size ID (inch)	R410A Rated	Price \$ Excl. GST	Stock No.	Size OD (inch)	Size ID (inch)	R410A Rated	Price \$ Excl. GST
J1170	3/8"	1/4"	√		J1185	1-3/8"	5/8"		
J1171	1/2"	1/4"	√		J1186	1-3/8"	3/4"		
J1172	1/2"	3/8"	√		J1187	1-3/8"	7/8"		
J1173	5/8"	3/8"	√		J1188	1-3/8"	1-1/8"		
J1174	5/8"	1/2"	√		J1189	1-5/8"	7/8"		
J1175	3/4"	3/8"	√		J1191	1-5/8"	1-1/8"		
J1176	3/4"	1/2"	√		J1192	1-5/8"	1-3/8"		
J1177	3/4"	5/8"	√		J1193	1-5/8"	1-3/8"	√	
J1178	7/8"	1/2"	√		J1194	2-1/8"	1-1/8"		
J1179	7/8"	5/8"	√		J1195	2-1/8"	1-3/8"		
J1180	7/8"	3/4"	√		J1196	2-1/8"	1-5/8"		
J1181	1-1/8"	5/8"	√		J1197	2-5/8"	1-3/8"		
J1182	1-1/8"	3/4"			J1198	2-5/8"	1-5/8"		
J1183	1-1/8"	3/4"	√		J1199	2-5/8"	2-1/8"		
J1184	1-1/8"	7/8"	√		J1201	3-1/8"	2-5/8"		



COPPER BUSHES (Bush OD X ID)

Stock No.	Size OD (inch)	Size ID (inch)	R410A Rated	Price \$ Excl. GST	Stock No.	Size OD (inch)	Size ID (inch)	R410A Rated	Price \$ Excl. GST
J1308	3/4"	1/2"	√		J1317	1-3/8"	1-1/8"		
J1309	3/4"	5/8"	√		J1322	1-5/8"	7/8"		
J1312	7/8"	1/2"	√		J1321	1-5/8"	1-1/8"		
J1311	7/8"	5/8"	√		J8217	1-5/8"	1-3/8"	√	
J1310	7/8"	3/4"	√		J1320	1-5/8"	1-3/8"		
J8192A	1-1/8"	5/8"	√		J1326	2-1/8"	1-1/8"		
J1312B	1-1/8"	5/8"			J1325	2-1/8"	1-3/8"		
J1314	1-1/8"	3/4"			J1324	2-1/8"	1-5/8"		
J8199A	1-1/8"	7/8"	√		J1330	2-5/8"	1-3/8"		
J1313	1-1/8"	7/8"			J1332	2-5/8"	1-5/8"		
J1319	1-3/8"	5/8"			J1329	2-5/8"	2-1/8"		
J8204A	1-3/8"	7/8"	√		J1331	3-1/8"	2-5/8"		
J1318	1-3/8"	7/8"							



COPPER TEES

Stock No.	Size (inch)	R410A Rated	Price \$ Excl. GST
J1133	1/4"	√	
J1132	5/16"	√	
J1134	3/8"	√	
J1135	1/2"	√	
J1136	5/8"	√	
J1137	3/4"	√	
J1138	7/8"	√	

Stock No.	Size (inch)	R410A Rated	Price \$ Excl. GST
J1140	1-1/8"		
J8104	1-1/8"	√	
J1141	1-3/8"		
J1142	1-5/8"		
J1144	2-1/8"		
J1145	2-5/8"		
J1146	3-1/8"		



REDUCING COPPER TEES

Stock No.	Size (inch)	R410A Rated	Price \$ Excl. GST
J1371	3/8" x 3/8" 1/4"		
J1372	1/2" x 1/2" x 1/4"		
J1373	1/2" x 1/2" x 3/8"		
J1375	5/8" x 5/8" x 3/8"		
J1376	5/8" x 5/8" x 1/2"		

Stock No.	Size (inch)	R410A Rated	Price \$ Excl. GST
J1377	3/4" x 3/4" x 3/8"		
J1378	3/4" x 3/4" x 1/2"		
J1379	3/4" x 3/4" x 5/8"		
J1381	7/8" x 7/8" x 1/2"		



COPPER COUPLINGS

Stock No.	Size (inch)	R410A Rated	Price \$ Excl. GST
J1203	3/8"	√	
J1204	1/2"	√	
J1205	5/8"	√	
J1206	3/4"	√	
J1207	7/8"	√	
J1209	1-1/8"		
J8133A	1-1/8"	√	

Stock No.	Size (inch)	R410A Rated	Price \$ Excl. GST
J1211	1-3/8"		
J8136	1-3/8"	√	
J1212	1-5/8"		
J8138A	1-5/8"	√	
J1213	2-1/8"		
J1214	2-5/8"		
J1215	3-1/8"		



COPPER 'P' TRAPS

Stock No.	Size (inch)	R410A Rated	Price \$ Excl. GST
J1498	5/8"	√	
J1499	3/4"	√	
J1500	7/8"	√	
J1501	1-1/8"		

Stock No.	Size (inch)	R410A Rated	Price \$ Excl. GST
J1502	1-3/8"		
J1503	1-5/8"		
J1504	2-1/8"		



COPPER RETURN BENDS 180°

Stock No.	Size (inch)	R410A Rated	Price \$ Excl. GST
J1120	3/8" x 180°	√	
J1121	1/2" x 180°	√	
J1122	5/8" x 180°	√	
J1123	3/4" x 180°	√	

Stock No.	Size (inch)	R410A Rated	Price \$ Excl. GST
J1123D	7/8" x 180°	√	
J1125	1-1/8" x 180°		
J1126	1-3/8" x 180°		



COPPER END CAPS

Stock No.	Size (inch)	R410A Rated	Price \$ Excl. GST
J1345	5/8"	√	
J1346	3/4"	√	
J1347	7/8"	√	
J1351	1-1/8"		
J1353	1-3/8"		

Stock No.	Size (inch)	R410A Rated	Price \$ Excl. GST
J1355	1-5/8"		
J1361	2-1/8"		
J1366	2-5/8"		
J1367	3-1/8"		



COPPER FLARE BONNETS

Stock No.	Size (inch)	R410A Rated	Price \$ Excl. GST
J0790	1/4"		
J0791	5/16"		
J0792	3/8"		

Stock No.	Size (inch)	R410A Rated	Price \$ Excl. GST
J0793	1/2"		
J0794	5/8"		
J0795	3/4"		



COPPER FLARE GASKETS

Stock No.	Size (inch)	R410A Rated	Price \$ Excl. GST
J0810	1/4"		
J0811	5/16"		
J0812	3/8"		

Stock No.	Size (inch)	R410A Rated	Price \$ Excl. GST
J0813	1/2"		
J0814	5/8"		
J0815	3/4"		



ZOOMLOCK FLAME-FREE FITTINGS

ZoomLock flame-free refrigerant fittings are specially designed to work without brazing, which automatically makes your job simpler and faster when joining copper tubes.

Features and Benefits

- For HVAC/R up to 700 psi
- Huge labour and time savings
- Less equipment required
- No need to nitrogen-purge
- Safer conditions no fire hazards
- No hot-work permits
- More flexible access to job sites
- All Fittings are 410A rated



ZOOMLOCK TOOL KIT

Stock No.	Model	Description	Price \$ Excl. GST
TZ1001KT	MAP2LS19 CERAUSET	PZK-KK5 - KLAUKE 19KN TOOL KIT - including 5 Jaws Jaw Sizes: 3/8, 1/2, 5/8, 7/8, 1-1/8 Includes: Klauke crimping tool, 5 Jaws, Scouring pad, RLS depth gauge, RLS crimp gauge, marker pen, wire brush, battery charger, tube cutter, deburring tool, 2 Lithium-ion rechargeable batteries.	

ZOOMLOCK TOOLS & ACCESSORIES

Stock No.	Model	Description	Price \$ Excl. GST
TZ1002	770005	PZK-GNG1 - RLS Crimp Gauge - St/St	
TZ1003	770014	PZK-IDGM -RLS Insertion Depth Tool - St/St	
TZ1004	770015	PZK-IDGP - RLS Insertion Depth Tool - Plastic	



ZOOMLOCK JAWS

Stock No.	Model	Size	Description	Price \$ Excl. GST
TZ1021	770230	1/4"	PZK-KJ4 - 1/4" KLAUKE MAP2L19 JAW	
TZ1022	770232	3/8"	PZK-KJ6 - 3/8" KLAUKE MAP2L19 JAW	
TZ1023	770233	1/2"	PZK-KJ8 - 1/2" KLAUKE MAP2L19 JAW	
TZ1024	770234	5/8"	PZK-KJ10 - 5/8" KLAUKE MAP2L19 JAW	
TZ1025	770235	3/4"	PZK-KJ12 - 3/4" KLAUKE MAP2L19 JAW	
TZ1026	770236	7/8"	PZK-KJ14 - 7/8" KLAUKE MAP2L19 JAW	
TZ1027	770237	1-1/8"	PZK-KJ18 - 1-1/8" KLAUKE MAP2L19 JAW	
TZ1028	770238	1-3/8"	PZK-KJ18 - 1-3/8" KLAUKE MAP2L19 JAW	



Professionals who have tried ZoomLock flame-free refrigerant fittings report their time and labour costs on tube connections are typically reduced 60% on average by eliminating the need for brazing. The biggest benefits are more productivity and increased profit, but there are also many other exciting advantages to flame-free tube connecting.

ZOOMLOCK FLAME-FREE FITTINGS
COUPLING

Stock No.	Model	Size	Description	Price \$ Excl. GST
JZ1021	770500	1/4"	Zoomlock Coupling PZK-C4-HNBR	
JZ1022	770502	3/8"	Zoomlock Coupling PZK-C6-HNBR	
JZ1023	770503	1/2"	Zoomlock Coupling PZK-C8-HNBR	
JZ1024	770504	5/8"	Zoomlock Coupling PZK-C10-HNBR	
JZ1025	770505	3/4"	Zoomlock Coupling PZK-C12-HNBR	
JZ1026	770506	7/8"	Zoomlock Coupling PZK-C14-HNBR	
JZ1027	770507	1-1/8"	Zoomlock Coupling PZK-C18-HNBR	
JZ1028	770508	1-3/8"	Zoomlock Coupling PZK-C22-HNBR	


90° ELBOWS

Stock No.	Model	Size	Description	Price \$ Excl. GST
JZ1001	770600	1/4"	Zoomlock 90° Elbow PZK-90E4-HNBR	
JZ1002	770602	3/8"	Zoomlock 90° Elbow PZK-90E6-HNBR	
JZ1003	770603	1/2"	Zoomlock 90° Elbow PZK-90E8-HNBR	
JZ1004	770604	5/8"	Zoomlock 90° Elbow PZK-90E10-HNBR	
JZ1005	770605	3/4"	Zoomlock 90° Elbow PZK-90E12-HNBR	
JZ1006	770606	7/8"	Zoomlock 90° Elbow PZK-90E14-HNBR	
JZ1007	770607	1-1/8"	Zoomlock 90° Elbow PZK-90E18-HNBR	
JZ1008	770608	1-3/8"	Zoomlock 90° Elbow PZK-90E22-HNBR	


45° ELBOWS

Stock No.	Model	Size	Description	Price \$ Excl. GST
JZ1010	771402	3/8"	Zoomlock 45° Elbow PZK-45E6-HNBR	
JZ1011	771403	1/2"	Zoomlock 45° Elbow PZK-45E8-HNBR	
JZ1012	771404	5/8"	Zoomlock 45° Elbow PZK-45E10-HNBR	
JZ1013	771405	3/4"	Zoomlock 45° Elbow PZK-45E12-HNBR	
JZ1014	771406	7/8"	Zoomlock 45° Elbow PZK-45E14-HNBR	
JZ1015	771407	1-1/8"	Zoomlock 45° Elbow PZK-45E18-HNBR	
JZ1016	771408	1-3/8"	Zoomlock 45° Elbow PZK-45E22-HNBR	


TEE PIECES

Stock No.	Model	Size	Description	Price \$ Excl. GST
JZ1041	770702	3/8"	Zoomlock Tee PZK-T6-HNBR	
JZ1042	770703	1/2"	Zoomlock Tee PZK-T8-HNBR	
JZ1043	770704	5/8"	Zoomlock Tee PZK-T10-HNBR	
JZ1044	770705	3/4"	Zoomlock Tee PZK-T12-HNBR	
JZ1045	770706	7/8"	Zoomlock Tee PZK-T14-HNBR	
JZ1046	770707	1-1/8"	Zoomlock Tee PZK-T18-HNBR	
JZ1047	770708	1-3/8"	Zoomlock Tee PZK-T22-HNBR	



ZOOMLOCK FLAME-FREE FITTING
REDUCERS

Stock No.	Model	Size	Description	Price \$ Excl. GST
JZ1061	770800	3/8" to 1/4"	Zoomlock Reducer PZK-R64-HNBR	
JZ1062	770808	1/2" to 1/4"	Zoomlock Reducer PZK-R84-HNBR	
JZ1063	770801	1/2" to 3/8"	Zoomlock Reducer PZK-R86-HNBR	
JZ1064	770809	5/8" to 1/4"	Zoomlock Reducer PZK-R104-HNBR	
JZ1065	770810	5/8" to 3/8"	Zoomlock Reducer PZK-R106-HNBR	
JZ1066	770802	5/8" to 1/2"	Zoomlock Reducer PZK-R108-HNBR	
JZ1067	770811	3/4" to 1/2"	Zoomlock Reducer PZK-R128-HNBR	
JZ1068	770803	3/4" to 5/8"	Zoomlock Reducer PZK-R1210-HNBR	
JZ1069	770812	7/8" to 1/2"	Zoomlock Reducer PZK-R148-HNBR	
JZ1070	770804	7/8" to 5/8"	Zoomlock Reducer PZK-R1410-HNBR	
JZ1071	770805	7/8" to 3/4"	Zoomlock Reducer PZK-R1412-HNBR	
JZ1072	770813	1-1/8" to 1/2"	Zoomlock Reducer PZK-R188-HNBR	
JZ1073	770814	1-1/8" to 5/8"	Zoomlock Reducer PZK-R1810-HNBR	
JZ1074	770806	1-1/8" to 3/4"	Zoomlock Reducer PZK-R1812-HNBR	
JZ1075	770807	1-1/8" to 7/8"	Zoomlock Reducer PZK-R1814-HNBR	


Y-CONNECTION

Stock No.	Model	Size	Description	Price \$ Excl. GST
JZ1081	771102	3/8"	Zoomlock Y-Connection PZK-Y6-NA	
JZ1082	771103	1/2"	Zoomlock Y-Connection PZK-Y8-NA	
JZ1083	771104	5/8"	Zoomlock Y-Connection PZK-Y10-NA	
JZ1084	771105	3/4"	Zoomlock Y-Connection PZK-Y12-NA	
JZ1085	771106	7/8"	Zoomlock Y-Connection PZK-Y14-NA	
JZ1086	771107	1-1/8"	Zoomlock Y-Connection PZK-Y18-NA	


BALL VALVE WITH ACCESS PORT

Stock No.	Model	Size	Description	Price \$ Excl. GST
JZ2001	502160	3/8"	Zoomlock Ball Valve EBVP-1033-PZK	
JZ2002	502161	1/2"	Zoomlock Ball Valve EBVP-1043-PZK	
JZ2003	502162	5/8"	Zoomlock Ball Valve EBVP-1053-PZK	
JZ2004	502163	3/4"	Zoomlock Ball Valve EBVP-1063-PZK	
JZ2005	502164	7/8"	Zoomlock Ball Valve EBVP-1073-PZK	
JZ2006	502165	1-1/8"	Zoomlock Ball Valve EBVP-1093-PZK	



K65[®]

K65 TUBE FOR USE WITH CO₂ (R744)

K65 is a high-strength copper alloy developed in order to meet the trend towards natural refrigerants such as CO₂ (R744) and the resulting higher operating pressures used to operate transcritical CO₂ (R744) refrigeration systems. The K65 system, consisting of tubes and fittings, is particularly suited to these applications. K65 tube is a safe and economical solution for installation in refrigeration systems with operating pressures of up to 120 bar @ 150°C. K65 tubes and K65 fittings are clearly marked, so that the system components can be easily identified at all times.

Your benefits at a glance:

- Cost-effective solution through reduced amount of material used
- Safety through TÜV-certified and tested quality
- Familiar, simple joining through brazing
- High resistance to creeping and fatigue
- High corrosion resistance
- Clear identification of the system components



Stock No.	Tube O.D.		Wall Thickness	Description	Length (m)	Price \$ Excl. GST
	inches	mm	mm			
H74406	3/8	9.5	0.65	K65 High Pressure Copper Tube	5.0	
H74408	1/2	12.7	0.85	K65 High Pressure Copper Tube		
H74410	5/8	15.9	1.05	K65 High Pressure Copper Tube		
H74412	3/4	19.1	1.30	K65 High Pressure Copper Tube		
H74414	7/8	22.2	1.50	K65 High Pressure Copper Tube		
H74418	1-1/8	28.6	1.90	K65 High Pressure Copper Tube		
H74422	1-3/8	34.9	2.30	K65 High Pressure Copper Tube		
H74426	1-5/8	41.3	2.70	K65 High Pressure Copper Tube		

- Changes in surface colour are possible with this material but have no impact on technical properties.



K65®



K65 FITTINGS FOR USE WITH CO₂ (R744)

K65 90° ELBOW (Female to Female)

Stock No.	Size (inch)	Price \$ Excl. GST
J72406	3/8"	
J72408	1/2"	
J72410	5/8"	
J72412	3/4"	

Stock No.	Size (inch)	Price \$ Excl. GST
J72414	7/8"	
J72418	1-1/8"	
J72422	1-3/8"	
J72426	1-5/8"	



K65 90° ELBOW (Male to Female)

Stock No.	Size (inch)	Price \$ Excl. GST
J72212	3/4"	
J72214	7/8"	
J72218	1-1/8"	

Stock No.	Size (inch)	Price \$ Excl. GST
J72222	1-3/8"	
J72226	1-5/8"	



K65 45° ELBOW (Female to Female)

Stock No.	Size (inch)	Price \$ Excl. GST
J72512	3/4"	
J72514	7/8"	
J72518	1-1/8"	

Stock No.	Size (inch)	Price \$ Excl. GST
J72522	1-3/8"	
J72526	1-5/8"	



K65 COPPER TEE

Stock No.	Size (inch)	Price \$ Excl. GST
J74906	3/8"	
J74908	1/2"	
J74910	5/8"	
J74912	3/4"	

Stock No.	Size (inch)	Price \$ Excl. GST
J74914	7/8"	
J74918	1-1/8"	
J74922	1-3/8"	
J74926	1-5/8"	



Components

Please contact Realcold for further information on K65 tube and fittings or for information and availability on any other components suitable for use with CO₂ Subcritical or Transcritical applications

K65[®]



K65 FITTINGS FOR USE WITH CO₂ (R744)

K65 COPPER COUPLINGS

Stock No.	Size (inch)	Price \$ Excl. GST
J70906	3/8"	
J70908	1/2"	
J70910	5/8"	
J70912	3/4"	

Stock No.	Size (inch)	Price \$ Excl. GST
J70914	7/8"	
J70918	1-1/8"	
J70922	1-3/8"	
J70926	1-5/8"	



K65 COPPER END CAPS

Stock No.	Size (inch)	Price \$ Excl. GST
J72006	3/8"	
J72008	1/2"	
J72010	5/8"	
J72012	3/4"	

Stock No.	Size (inch)	Price \$ Excl. GST
J72014	7/8"	
J72018	1-1/8"	
J72022	1-3/8"	
J72026	1-5/8"	



Please contact Realcold for further information on K65 tube and fittings or for information and availability on any other components suitable for use with CO₂ Subcritical or Transcritical applications

ARMAFLEX TUBE INSULATION

Armaflex FRV is a highly flexible closed cell insulation material made from nitrile rubber with high water-vapour diffusion resistance and low thermal conductivity.

Complies with NZBC requirements; Group 2

Fire performance: **Group Number Classification: 2** in accordance with the NZ building code verification method C/VM2. Tested in accordance to ISO 5660.



CLOSED CELL PIPE INSULATION

Stock No.	Inside Diameter		Wall Thickness		Length (m)	Carton Qty.	Price \$ Excl. GST
	inch	mm	inch	mm			
9mm Wall							
N09006	1/4"	6	3/8"	9	2	154	
13mm Wall							
N13010	3/8"	10	1/2"	13	2	80	
N13013	1/2"	13	1/2"	13		72	
N13016	5/8"	16	1/2"	13		63	
N13019	3/4"	20	1/2"	13		56	
N13022	7/8"	22	1/2"	13		48	
N13025	1"	25	1/2"	13		42	
N13028	1-1/8"	28	1/2"	13		39	
N13035	1-3/8"	35	1/2"	13		33	
N13042	1-5/8"	42	1/2"	13		24	
N13054	2-1/8"	54	1/2"	13		20	
N13060	2-3/8"	60	1/2"	13		15	
N13067	2-5/8"	67	1/2"	13		15	
19mm Wall							
N19010	3/8"	10	3/4"	19	2	50	
N19013	1/2"	13	3/4"	19		42	
N19016	5/8"	16	3/4"	19		36	
N19019	3/4"	20	3/4"	19		36	
N19022	7/8"	22	3/4"	19		30	
N19028	1-1/8"	28	3/4"	19		25	
N19035	1-3/8"	35	3/4"	19		20	
N19042	1-5/8"	42	3/4"	19		16	
N25048	1-7/8"	48	3/4"	19		9	
N19054	2-1/8"	54	3/4"	19		12	
N19067	2-5/8"	67	3/4"	19		9	
N19080	3-1/8"	80	3/4"	19		7	



Components

CLOSED CELL PIPE INSULATION

Stock No.	Inside Diameter		Wall Thickness		Length (m)	Carton Qty.	Price \$ Excl. GST
	inch	mm	inch	mm			
25mm Wall							
N25010	3/8"	10	1"	25	2	30	
N25012	1/2"	13	1"	25		25	
N25015	5/8"	16	1"	25		25	
N25019	3/4"	20	1"	25		20	
N25022	7/8"	22	1"	25		20	
N25028	1-1/8"	28	1"	25		16	
N25035	1-3/8"	35	1"	25		16	
N25042	1-5/8"	42	1"	25		12	
N25054	2-1/8"	54	1"	25		9	
N25067	2-5/8"	67	1"	25		8	
N25080	3-1/8"	80	1"	25		6	


SHEET INSULATION

Stock No.	Thickness		Size	Carton Qty.	Price \$ Excl. GST
	inch	mm			
NS1310	1/2"	13	1.0m x 1.5m	15	
NS1910	3/4"	19	1.0m x 1.5m	10	
NS2510	1"	25	1.0m x 1.5m	8	


ROLL INSULATION

Stock No.	Thickness		Description	Price \$ Excl. GST
	inch	mm		
NR1310	1/2"	13	8 metre Roll	
NR1910	3/4"	19	6 metre Roll	



INSULATION TAPE

Stock No.	Description	Size (m)	Price \$ Excl. GST
FT501	Armocell Foam Tape Roll - Closed cell elastomeric, black colour, one side adhesive with protective film. Used for hot and cold pipe insulation. Can be used as joint protection. Self adhering. 50mm wide x 3mm thick	9.14	
N2510	Cork Tape Roll - Compounded with synthetic rubber, asphalt and cork dust. Ideal to prevent condensation on pipes. Self adhering. 50mm wide x 3mm thick	9.14	


INSULATION ADHESIVE

Stock No.	Description	Size (ml)	Price \$ Excl. GST
N0170	H2 Insulation Adhesive	125	
N0180	Aeroseal Insulation Adhesive with brush	192	
N0181	Aeroseal Insulation Adhesive with brush	473	


POLYURETHANE FOAM

Stock No.	Description	Size (ml)	Price \$ Excl. GST
N0190	Gorilla Nailpower is a one component, self expanding, ready to use polyurethane foam. High thermal and acoustical isolation. BRANZ appraised	750	
N0191	Gorilla Expanding Foam Cleaner	500	
N0192	Spare Nozzles - pack of 4		


HAND POUR FOAM SYSTEM

Stock No.	Description	Size	Price \$ Excl. GST
N0197	Handpour 2 Part Endurathane 3345N Foam Kit 2 x 1 litre packs, one each prepolymer & polyol	2 x 1 litre	
N0198	Handpour 2 Part Endurathane 3345N Foam Kit 2 x 4 litre packs, one each prepolymer & polyol	2 x 4 litre	



INSULCLAMPS

INSULCLAMP - a twist and clip channel clip ideal for air conditioning and refrigeration pipe support. Insulates against heat loss and reduces vibration. Quick to install with lock nuts. Withstands temperatures from -30°C to +130°C.

Stock No.	Size (inch)	Description	Height Above Channel (mm)	Price \$ Excl. GST
J1602	1/4	Insulclamp Channel Clip	32	
J1603	3/8	Insulclamp Channel Clip	35	
J1604	1/2	Insulclamp Channel Clip	38	
J1605	5/8	Insulclamp Channel Clip	41	
J1606	3/4	Insulclamp Channel Clip	44	
J1607	7/8	Insulclamp Channel Clip	47	
J1608	1-1/8	Insulclamp Channel Clip	54	
J1609	1-3/8	Insulclamp Channel Clip	60	
J1610	1-5/8	Insulclamp Channel Clip	76	
J1611	2-1/8	Insulclamp Channel Clip	92	
J1612	2-5/8	Insulclamp Channel Clip	98	
J1613	3-1/8	Insulclamp Channel Clip	117	
J1614	4-1/8	Insulclamp Channel Clip	143	



QUICK POSITIONING CLIPS

Stock No.	Size (inch)	Description	Price \$ Excl. GST
J1633	3/8	Quick Positioning Clamp	
J1634	1/2	Quick Positioning Clamp	
J1635	5/8	Quick Positioning Clamp	
J1636	3/4	Quick Positioning Clamp	
J1637	7/8	Quick Positioning Clamp	
J1638	1-1/8	Quick Positioning Clamp	
J1639	1-3/8	Quick Positioning Clamp	



CHANNEL

Stock No.	Material Thickness (mm)	Description	Price \$ Excl. GST
J1620	1.6	Aluminium Channel, 40 x 20 x 1000mm long	
AC1205	2.5	Galvanised Steel Channel, 40 x 40 x 3000mm long	



PIPE HANGERS

RUBBER LINED PIPE CLAMPS (Suits M8 & M10 Threaded Rod)

Stock No.	Size (inch)	Description	Price \$ Excl. GST
Single Hinge Clamp			
J1701	1/2 - 5/8	Rubber Lined Pipe Clamp	
J1702	5/8 - 3/4	Rubber Lined Pipe Clamp	
J1703	7/8	Rubber Lined Pipe Clamp	
J1704	1-1/8	Rubber Lined Pipe Clamp	
J1705	1-3/8	Rubber Lined Pipe Clamp	
J1706	1-5/8	Rubber Lined Pipe Clamp	
J1708	2-1/8	Rubber Lined Pipe Clamp	
J1710	2-5/8	Rubber Lined Pipe Clamp	
J1713	3-1/8	Rubber Lined Pipe Clamp	



RUBBER LINED PIPE CLAMPS (Suits M8 & M10 Threaded Rod)

HEAVY DUTY

Stock No.	Size (inch)	Description	Price \$ Excl. GST
Heavy Duty Double Hinge Clamp			
J1720	3/8 - 1/2	Heavy Duty Rubber Lined Pipe Clamp	
J1721	1/2 - 5/8	Heavy Duty Rubber Lined Pipe Clamp	
J1722	5/8 - 3/4	Heavy Duty Rubber Lined Pipe Clamp	
J1723	7/8	Heavy Duty Rubber Lined Pipe Clamp	
J1724	1-1/8	Heavy Duty Rubber Lined Pipe Clamp	
J1725	1-3/8	Heavy Duty Rubber Lined Pipe Clamp	
J1726	1-5/8	Heavy Duty Rubber Lined Pipe Clamp	
J1728	2-1/8	Heavy Duty Rubber Lined Pipe Clamp	
J1730	2-5/8	Heavy Duty Rubber Lined Pipe Clamp	
J1733	3-1/8	Heavy Duty Rubber Lined Pipe Clamp	



PIPE CLAMPS (Brass Munzing Rings)

Stock No.	Size (inch)	Description	Price \$ Excl. GST
J1249	5/8	Brass Munzing Ring Pipe Clamp	
J1250	7/8	Brass Munzing Ring Pipe Clamp	
J1251	1-1/8	Brass Munzing Ring Pipe Clamp	
J1253	1-5/8	Brass Munzing Ring Pipe Clamp	
J1254	2-1/8	Brass Munzing Ring Pipe Clamp	
J1255	2-5/8	Brass Munzing Ring Pipe Clamp	



PIPE HANGERS

STUDDING CLIP

The Studding Clip is a plastic clip with a ratchet design to ensure quick installation and adjustment. Ideal for securing insulated pipe or drain pipe to 10mm threaded rod. Max. temp +70°C.

Stock No.	Size (mm)	Description	Price \$ Excl. GST
J1688	15	Studding Clip to suit M10 threaded rod	
J1681	22	Studding Clip to suit M10 threaded rod	
J1682	25	Studding Clip to suit M10 threaded rod	
J1683	28	Studding Clip to suit M10 threaded rod	
J1684	32	Studding Clip to suit M10 threaded rod	
J1685	35	Studding Clip to suit M10 threaded rod	
J1686	42	Studding Clip to suit M10 threaded rod	
J1687	54	Studding Clip to suit M10 threaded rod	



2 PIPE SUSPENDERS (Suits M8 & M10 Thread)

Stock No.	Model	Approx. Pipe Size (Allowing for 10mm Insulation)	Price \$ Excl. GST
J1650	BBJ Metal Hanger # 2	5/8" & 3/8"	
J1651	BBJ Metal Hanger # 3	7/8" & 1/2"	
J1652	BBJ Metal Hanger # 4	1-1/8" & 5/8"	



2 PIPE GRIPLOCK SUSPENDERS (Surface Mount)

Stock No.	Model	Approx. Pipe Size (Allowing for 10mm Insulation)	Price \$ Excl. GST
J1660	BBJ Griplock # 1	1/2" & 1/4"	
J1661	BBJ Griplock # 2	5/8" & 3/8"	
J1662	BBJ Griplock # 3	7/8" & 1/2"	
J1663	BBJ Griplock # 4	1-1/8" & 5/8"	



THREADED ROD - BRASS

Stock No.	Description	Price \$ Excl. GST
J1258	M10 brass threaded rod - 600mm long	
J1257	Base plate tapped for 10mm threaded rod	
J1259	Locknut 10mm for threaded rod	


THREADED ROD - ZINC PLATED

Stock No.	Description	Price \$ Excl. GST
J1260	10mm Zinc Plated Rod - 1m length	
J1261	10mm Zinc Plated Rod - 2m length	
J1263/C	10mm x 32 mm Zinc Plated Penny Washer - (container of 100)	
J1264	10mm Zinc Plated Nut - (container of 100)	
J1265	10mm Zinc Plated Backing Plate	


COPPER PIPE SADDLES

Stock No.	Size (inch)	Description	Price \$ Excl. GST
J2010	1/4	Copper Pipe Saddle	
J2011	3/8	Copper Pipe Saddle	
J2012	1/2	Copper Pipe Saddle	
J2013	5/8	Copper Pipe Saddle	
J2014	3/4	Copper Pipe Saddle	
J2015	7/8	Copper Pipe Saddle	
J2017	1-1/8	Copper Pipe Saddle	
J2018	1-3/8	Copper Pipe Saddle	
J2019	1-5/8	Copper Pipe Saddle	
J2020	2-1/8	Copper Pipe Saddle	



SIMPLEFIX MULTI PURPOSE PIPE SUPPORT SYSTEM

Stock No.	Description	Price \$ Excl. GST
J1270	Simplefix pre-drilled galvanised strap. 0.55mm x 25mm x 25m long.	
J1271	Simplefix pre-drilled galvanised strap. 0.55mm x 25mm x 5m long.	
J1265	Simplefix 10mm Zinc Plated Backing Plate	
J1275	Rubber Insertion Strip. 5 metre coil	
J1279	Top Bracket. A simple mounting solution for the SimpleFix Strap.	


PIPE TIES & BASE

Stock No.	Description	Price \$ Excl. GST
J1672	BBJ Pipe Tie Base BH3 - 79mm long x 45mm wide	
J1674	BBJ Pipe Tie 250mm long x 20mm wide - White	
J1675	BBJ Pipe Tie 300mm long x 20mm wide - White	
J1676	BBJ Pipe Tie 350mm long x 20mm wide - White	
J1677	BBJ Pipe Tie 400mm long x 20mm wide - White	


NYLON CABLE TIES

Stock No.	Description	Colour	Pack Qty.	Size (mm)		Qty.	Price \$ Excl. GST
				Width	Length		
H0084	Cable Tie	Natural	100	2.5	100	Sold Individually	
H0085	Cable Tie	Black					
H0086	Cable Tie	Natural		3.5	150		
H0087	Cable Tie	Black					
H0088	Cable Tie	Natural		4.6	200		
H0089	Cable Tie	Black					
H0091	Cable Tie	Natural		7.6	390		
H0090	Cable Tie	Black					
H0094	Cable Tie	Natural		50	387		
H0095	Cable Tie	Black					
H0096	Cable Tie	Natural	460				
H0098	Cable Tie	Black		760			



Note: Cable ties sold individually, not by packet quantity.

DEKTITE PIPE FLASHING - SQUARE BASE

Low profile flashings provide weatherproof seals around all pipes, cable entries and other. Black EPDM (UV stable).
Temp range -50°C to 115°C

Stock No.	Model	Pipe Diameter (mm)	Dimensions (mm)	Price \$ Excl. GST
N0500	DFE100BS *	0 to 35mm	100 x 100	
N0501	DFE101BS *	5 to 55mm	139 x 139	
N0502	DFE102BA	50 to 70mm	181 x 181	
N0507	DFE103B	50 to 127mm	218 x 218	
N0504	DFE104B	75 to 175mm	279 x 279	
N0505	DFE105B	100 to 200mm	309 x 309	
N0506	DFE106B	125 to 230mm	363 x 363	



* DFE100BS and DFE101BS both have multiple cable nipples

DEKTITE PIPE FLASHING - RETROFIT

Wraps around existing or difficult to access pipes, installations are a breeze. Grey EPDM (UV stable).
Temp range -50°C to 115°C.

Stock No.	Model	Pipe Diameter (mm)	Dimensions (mm)	Price \$ Excl. GST
N0521	RF801G	20 - 70 mm	160 diameter	



ROOF PENETRATIONS

- Complies with NZ Metal Roofing Code of Practice.

Stock No.	Model	Description	Price \$ Excl. GST
N0495	RFPN65	Top Hat Roof Penetration Kit - 65mm Kit contains: Decktite flashing, PVC slotted pipe, PVC cap, 12 x hex head screws, Bostik sealant	
N0497	RFPN80SC	Top Hat Roof Penetration Kit - 80mm Kit contains: Decktite flashing, PVC slotted pipe, PVC cap, 12 x hex head screws, Bostik sealant	
N0496	RFPN110FC	Top Hat Roof Penetration Kit - 110mm Kit contains: Decktite flashing, PVC slotted pipe, PVC cap, 12 x hex head screws, Bostik sealant	



BUILDING ENVELOPE PENETRATION SEALS

A one piece self adhesive collar for sealing around pipe and conduit. Can be used on all accepted wall underlays including bituminous paper.

- BRANZ Appraised for flexible and rigid wall underlays

Stock No.	Model	Description	Price \$ Excl. GST
N0451	TSEAL 15-22	Trade Seal size 15-22mm	
N0452	TSEAL 25-32	Trade Seal size 25-32mm	
N0453	TSEAL 42-55	Trade Seal size 42-55mm	
N0454	TSEAL 50-70	Trade Seal size 50-70mm	



SEALING PUTTY - FLAME PROOF

Stock No.	Model	Description	Price \$ Excl. GST
AC0702	PT-1K	Toyo Flameproof Sealing Putty - Ivory - 1 Kg	



TOP PLATE & STUD STIFFENER

The Top Plate Stiffener has been designed to allow a service hole of no greater than 60mm to be drilled through a top plate (including top plate packer if used) to allow services such as air conditioning or central vacuum pipes to be passed through the member. The fitting of a Top Plate Stiffener reinstates the integrity of the penetrated top plate.

Stock No.	Description	Price \$ Excl. GST
AC1225	Top Plate and Stud Stiffener	



FAN BLADES - INDUCED TYPE

Stock No.	Diameter		No. of Blades	Pitch (Deg)	Rotation	Min. Watts	Bore	Price \$ Excl. GST
	(mm)	(inch)						
D0105	178	7"	5	40°	CCW	7	Driveplate	
D0106	200	8"	5	40°	CCW	10	Driveplate	
D0107	229	9"	5	40°	CCW	22	Driveplate	
D0111	200	7-7/8"	5	28°	CCW	5	Driveplate	
D0109	254	10"	5	30°	CCW	22	8 mm	
D0118	254	10"	5	25°	CCW	10	Driveplate	
D0115	305	12"	3	20°	CCW	22	Driveplate	



FAN BLADES - BLOWER TYPE

Stock No.	Diameter		No. of Blades	Pitch (Deg)	Rotation	Min. Watts	Bore	Price \$ Excl. GST
	(mm)	(inch)						
D0309	254	10"	5	30°	CCW	22	8 mm	



PLASTIC FAN BLADES - INDUCED TYPE

Stock No.	Diameter		No. of Blades	Pitch (Deg)	Rotation	Min. Watts	Bore	Price \$ Excl. GST
	(mm)	(inch)						
M0166	178	7"	3	25°	CCW	4	3/16"	



PLASTIC FAN BLADES - BLOWER TYPE

Stock No.	Diameter		No. of Blades	Pitch (Deg)	Rotation	Min. Watts	Bore	Price \$ Excl. GST
	(mm)	(inch)						
D0015	100	4"	5	30°	CW	4	1/8"	
D0027	125	5"	5	25°	CW	4	3/16"	
M0165	254	10"	5	30°	CW	20	5/16"	



Components

SHADED POLE "C FRAME" MOTORS

Stock No.	Model	Rotation	Watts	RPM	Shaft	Description	Price \$ Excl. GST
D0200	SM-672	CW/CCW	5	3000	3/16"	Universal Motor Kit. Replacement for C-Frame motors. Includes 2 fan blades 100mm CW, 140mm CCW, mounting bracket, 1/4" shaft adaptor & hub adaptor.	
D0121	J05RF-11	CW	6.5	2200	3/16"	C-Frame Shaded Pole Motor	


SHADED POLE MOTORS

Stock No.	Model	Rotation	Watts	RPM	Shaft	Description	Price \$ Excl. GST
D0123	M4Q045-CA03-38	CCW	10	1300	D.Plate	General purpose motor	
D0124	M4Q045-CF01-38	CCW	16	1300	D.Plate	General purpose motor	
D0125	M4Q045-EA01-38	CCW	25	1300	D.Plate	General purpose motor	
D0129	550167	CCW	25	1300	8 mm	4 bolt bottom	
D0155	M4Q045-EF01-38	CCW	34	1300	D.Plate	General purpose motor	
D0137	8668594	CCW	90	1440	1/2"	120 x 216 Base complete L'Unite unit spare	
D0169	134-8554LTB-A80	CW/CCW	180	1340	1/2"	Fan motor	


DOUBLE SHAFT MOTORS

Stock No.	Model	Rotation	Watts	RPM	Shaft	Description	Price \$ Excl. GST
D0162	50D502-80A	CW/CCW	20	1300	5/16"	Bi-directional motor	
D0160	50D503-80A	CW/CCW	40	1300	5/16"	Bi-directional motor	
D0133	50D505-80A	CW/CCW	60	1300	5/16"	Bi-directional motor	


UNADA EC FAN MOTOR

Stock No.	Model	Description	Price \$ Excl. GST
D0138	FM103709M	Unada EC Fan Motor. All in one solution. Fully programmable. 0-25 W, 400-2300 RPM, CW or CCW. Optional timed reverse.	
W9664	FM103709M-P	Unada Motor Programmer	



COMPACT FAN MOTOR ASSEMBLY

Stock No.	Model	Size (mm)	Rotation	Nom. Watts	Description	Price \$ Excl. GST
D0154	ACI4420HHR	119 x 119 x 38	CW	-	High efficiency fan with EC technology	


EXTERNAL ROTOR MOTOR FANS - 220-240/1/50

Stock No.	Model	Dia. (mm)	Application	Nom. Watts	Description	Price \$ Excl. GST
R0930	S4E300-AS01-01	300	Induced	80	Fan Motor Assembly - 1 phase	
M0159	R09-3030P-4M	300	Blower	95	Fan Motor Assembly - 1 phase	
GF315ACC	VT0603	315	Induced	92	Fan Motor to suit Guntner GACC Evap	
R0935	S4E350-AN02-90	350	Induced	130	Fan Motor Assembly - 1 phase	
GF400ACC	VT0605	400	Induced	195	Fan Motor to suit Guntner GACC Evap	
R0940	S4E400-AP02-69	400	Induced	180	Fan Motor Assembly - 1phase	
R0940B	S4E400-AP02-35	400	Blower	180	Fan Motor Assembly - 1 phase	
R0945	S4E450-AP01-11	450	Induced	350	Fan Motor Assembly - 1 phase	
GF500ACC	VT01285	500	Induced	420	Fan Motor to suit Guntner GACC Evap	
R0950	S4E500-AM03-01	500	Induced	420	Fan Motor Assembly - 1 phase	


EXTERNAL ROTOR EC MOTOR FANS - 220-240/1/50

Stock No.	Model	Dia. (mm)	Application	Nom. Watts	Description	Price \$ Excl. GST
GF200ECS	VT03033U	200	Induced	60	EC Fan Motor to suit Guntner GASC Evaporator	
GF315ECS	VT03164U	315	Induced	64	EC Fan Motor to suit Guntner GASC Evaporator	
GF315ECC	VT03089U	315	Induced	85	EC Fan Motor to suit Guntner GACC Evaporator	
GF400ECC	VT03090U	400	Induced	190	EC Fan Motor to suit Guntner GACC Evaporator	


EXTERNAL ROTOR MOTOR FAN - 380-420/3/50

Stock No.	Model	Dia. (mm)	Application	Nom. Watts	Description	Price \$ Excl. GST
R0963	S4D630-AD01-01	630	Induced	880	Fan Motor Assembly - 3 phase	




ACCUMULATORS - SUCTION LINE

Stock No.	Model	Conn. Size (inch)	Nom. kW Cap. @ -6°C SST			Dia. x Hgt. (mm)	Price \$ Excl. GST
			R449A	R404A / R507	R134a		
F0804	VA-30-4S	1/2	4.7	4.8	3.0	76 x 210	
F0805	VA-32-5S	5/8	7.1	7.2	4.5	76 x 314	
F0806	VCA-32-6S	3/4	9.5	9.6	6.0	76 x 321	
F0807	VA-54-7SRD	7/8	17.3	17.5	11.0	127 x 248	
F0809	VA-57-9SRD	1-1/8	28.0	28.3	17.7	127 x 371	
F0811	VA-59-11SRD	1-3/8	44.7	45.2	28.2	127 x 468	
F0813	VA-616-13SRD	1-5/8	67.7	68.4	42.8	152 x 556	



FLARE NUTS - SHORT BARREL

Stock No.	Size (inch)	Price \$ Excl. GST
J0401	1/4" FF	
J0402	5/16" FF	
J0403	3/8" FF	
J0404	1/2" FF	
J0405	5/8" FF	
J0406	3/4" FF	


MALE FLARE REDUCING UNION

Stock No.	Size (inch)	Price \$ Excl. GST
J0452	3/8" MF x 1/4" MF	
J0454	1/2" MF x 1/4" MF	
J0456	1/2" MF x 3/8" MF	
J0459	5/8" MF x 3/8" MF	
J0460	5/8" MF x 1/2" MF	
J0464	3/4" MF x 1/2" MF	
J0465	3/4" MF x 5/8" MF	


FLARE NUTS - REDUCING BARREL

Stock No.	Size (inch)	Price \$ Excl. GST
J0421	3/8" MF - 1/4" Tube	
J0422	1/2" MF - 3/8" Tube	
J0423	5/8" MF - 1/2" Tube	


FEMALE FLARE SWIVEL UNION

Stock No.	Size (inch)	Price \$ Excl. GST
J0541	1/4" FF Connectors	
J0543	3/8" FF Connectors	
J0544	1/2" FF Connectors	
J0545	5/8" FF Connectors	


FLARE SEAL CAPS

Stock No.	Size (inch)	Price \$ Excl. GST
J0770	1/4" Flare	
J0771	5/16" Flare	
J0772	3/8" Flare	
J0773	1/2" Flare	
J0774	5/8" Flare	


FEMALE FLARE CONNECTORS

Stock No.	Size (inch)	Price \$ Excl. GST
J0551	1/4" FF c/w Gaskets	
J0553	3/8" FF c/w Gaskets	
J0554	1/2" FF c/w Gaskets	


MALE FLARE UNIONS

Stock No.	Size (inch)	Price \$ Excl. GST
J0431	1/4" MF x 1/4" MF	
J0432	5/16" MF x 5/16" MF	
J0433	3/8" MF x 3/8" MF	
J0434	1/2" MF x 1/2" MF	
J0435	5/8" MF x 5/8" MF	
J0436	3/4" MF x 3/4" MF	


MALE FLARE TO FEMALE PIPE REDUCING UNION

Stock No.	Size (inch)		Price \$ Excl. GST
	MF	FP	
J0536	1/4"	1/8"	
J0537	1/4"	1/4"	
J0538	1/4"	3/8"	
J0535	3/8"	1/2"	



MALE FLARE TO FEMALE FLARE REDUCING UNIONS

Stock No.	Size (inch)		Price \$ Excl. GST
	MF	FF	
J0472	1/4"	3/8"	
J0474	1/4"	1/2"	
J0475	3/8"	1/2"	
J0479	1/2"	5/8"	
J0486	3/8"	1/4"	
J0488	1/2"	3/8"	
J0491	5/8"	1/2"	



CYLINDER ADAPTERS & CAPS

Stock No.	Size (inch)		Price \$ Excl. GST
	MF	FBSP	
J0539	1/4"	3/4"	
J0540	3/8"	3/4"	
J0539C	3/4" F.BSP Cap		
J0542	R32 Cyl. Adapter. Left Hand Thread		



ACME ADAPTERS

Stock No.	Size (inch)	Price \$ Excl. GST
J0742	1/4" FF - 1/2" Male	
J0743	1/2" FF - 1/4" M.FI	
J0744	14 mm Male - 1/4" MF (Suits Auto A/C Couplers)	



MALE FLARE TO MALE PIPE UNIONS

Stock No.	Size (inch)		Price \$ Excl. GST
	MF	MBSP	
J0501	1/4"	1/8"	
J0501A	5/16	1/8	
J0502	1/4"	1/4"	
J0502A	5/16	1/4	
J0504	1/4"	3/8"	
J0507	3/8"	1/8"	
J0508	3/8"	1/4"	
J0510	3/8"	3/8"	
J0511	3/8"	1/2"	
J0515	1/2"	1/4"	
J0517	1/2"	3/8"	
J0518	1/2"	1/2"	
J0520	3/4"	3/4"	
J0523	5/8"	3/8"	
J0524	5/8"	1/2"	
J0525	5/8"	3/4"	
J0530	3/4"	1/2"	
J0531	3/4"	3/4"	



DOUBLE MALE FLARE ELBOWS

Stock No.	Size (inch)	Price \$ Excl. GST
J0561	1/4" Male Flare	
J0563	3/8" Male Flare	
J0564	1/2" Male Flare	
J0565	5/8" Male Flare	
J0566	3/4" Male Flare	



MALE FLARE TO MALE PIPE ELBOWS

Stock No.	Size (inch)		Price \$ Excl. GST
	MF	MBSP	
J0590	1/4"	1/8"	
J0591	1/4"	1/4"	
J0592	1/4"	3/8"	
J0594	3/8"	1/4"	
J0595	3/8"	3/8"	
J0596	3/8"	1/2"	
J0599	1/2"	3/8"	
J0600	1/2"	1/2"	
J0601	5/8"	1/2"	
J0604	3/4"	3/4"	



MALE FLARE TO MNPT SCHRADER

Stock No.	Size (inch)		Price \$ Excl. GST
	MF	MNPT	
T0320	1/4"	1/8"	
T0326	1/4"	1/4"	



MALE FLARE SEAL PLUGS

Stock No.	Size (inch)	Price \$ Excl. GST
J0690	1/4" M.Fl	
J0691	5/16" M.Fl	
J0692	3/8" M.Fl	
J0693	1/2" M.Fl	
J0694	5/8" M.Fl	
J0695	3/4" M.Fl	


MALE FLARE TEES

Stock No.	Size (inch)	Price \$ Excl. GST
J0610	1/4" M.Fl	
J0612	3/8" M.Fl	
J0613	1/2" M.Fl	
J0614	5/8" M.Fl	
J0615	3/4" M.Fl	


MALE PLUGS MBSP

Stock No.	Size (inch)	Price \$ Excl. GST
J0731	1/4" MP	
J0732	3/8" MP	
J0733	1/2" MP	


MALE FLARE TO MALE PIPE TEES

Stock No.	Size (inch)	Price \$ Excl. GST
J0617	1/4" M.Fl x 1/4" M.Fl x 1/8" MP	
J0618	1/4" M.Fl x 1/4" M.Fl x 1/4" MP	
J0619	3/8" M.Fl x 3/8" M.Fl x 1/4" MP	


PIPE BUSHINGS MBSP

Stock No.	Size (inch)		Price \$ Excl. GST
	MBSP	FBSP	
J0750	1/4"	1/8"	
J0752	3/8"	1/4"	
J0754	1/2"	3/8"	
J0756	3/4"	1/2"	
J0739	1/8"	1/8"	
J0740	1/4"	1/4"	


MALE FLARE TO FEMALE PIPE TEE

Stock No.	Size (inch)	Price \$ Excl. GST
J0620	1/4" M.Fl x 1/4" M.Fl x 1/4" F.Fl	


TEFLON THREAD SEAL TAPE

Stock No.	Description	Price \$ Excl. GST
N0069	Teflon Thread Seal Tape 12mm x 10m roll	



CAPILLARY SERVICE PACKS

These service packs offer a complete selection for large commercial and air conditioning units to the smallest domestic refrigeration requirements. Selection Data Information included in Pack.

Stock No.	Model	Tube I.D.		Length (mm)	Price \$ Excl. GST
		inch	mm		
G0381	SP-1	0.026	0.66	3660	
G0382	SP-2	0.032	0.80	3660	
G0383	SP-3	0.036	0.90	3660	
G0384	SP-4	0.044	1.10	4270	
G0392	SP-4.5	0.047	1.20	4270	
G0385	SP-5	0.051	1.30	4270	
G0386	SP-6	0.055	1.40	3660	
G0393	SP-6.5	0.059	1.50	3660	
G0387	SP-7	0.064	1.62	3050	
G0388	SP-8	0.070	1.78	3660	
G0389	SP-9	0.075	1.90	2750	
G0390	SP-10	0.080	2.04	3050	
G0391	SP-11	0.088	2.24	3660	



These service packs offer a complete selection from large commercial air conditioning units to the smallest domestic refrigeration requirements.


SPORLAN LIQUID LINE DRIERS

Stock No.	Model	Connection Size (inch)	Dessicant Volume (cm3)	Length (mm)	Price \$ Excl. GST
Flare Connection					
SP3001	C032	1/4" M.FI	49	108	
SP3002	C052	1/4" M.FI	82	120	
SP3003	C082	1/4" M.FI	147	143	
SP3004	C162	1/4" M.FI	262	160	
SP3008	C053	3/8" M.FI	82	131	
SP3009	C083	3/8" M.FI	147	154	
SP3011	C163	3/8" M.FI	262	171	
SP3012	C303	3/8" M.FI	492	246	
SP3015	C084	1/2" M.FI	147	161	
SP3017	C164	1/2" M.FI	262	177	
SP3018	C304	1/2" M.FI	492	251	
SP3019	C414	1/2" M.FI	672	251	
SP3022	C165	5/8" M.FI	262	185	
SP3023	C305	5/8" M.FI	492	259	
SP3025	C415	5/8" M.FI	672	259	
Solder Connection					
SP3071	C032S	1/4" ODS	49	96	
SP3072	C052S	1/4" ODS	82	108	
SP3073	C082S	1/4" ODS	147	131	
SP3078	C053S	3/8" ODS	82	112	
SP3079	C083S	3/8" ODS	147	135	
SP3081	C163S	3/8" ODS	262	151	
SP3085	C084S	1/2" ODS	147	138	
SP3087	C164S	1/2" ODS	262	154	
SP3092	C165S	5/8" ODS	262	161	


SPORLAN REVERSIBLE HEAT PUMP DRIERS (Bi-Flow)

Stock No.	Model	Connection Size (inch)	Dessicant Volume (cm3)	Length (mm)	Price \$ Excl. GST
Flare Connection					
SP3240	HPC-103	3/8" M.FI	164	171	
SP3241	HPC-104	1/2" M.FI	164	177	
Solder Connection					
SP3250	HPC-103S	3/8" ODS	164	151	
SP3251	HPC-104S	1/2" ODS	164	154	
SP3261	HPC-165SHH	5/8" ODS	229	187	



DRIERS



SPORLAN SUCTION LINE FILTER DRIERS

The Sporlan SF Suction Line Filter protects the compressor from dirt. It is designed with an optional relief feature that opens if the filter plugs. It also has a full flow design for low pressure drop. It is suitable for use with all brazing alloys and maximum corrosion resistance.

Stock No.	Model	Conn. Size (inch)	Description	Filter Area (cm2)	Length (mm)	Price \$ Excl. GST
With Bypass Relief Feature (Bi-Directional Flow)						
SP3155	SF-285-T	5/8" SW	Sporlan Suction Filter	181	212	
SP3156	SF-286-T	3/4" SW	Sporlan Suction Filter	181	223	
SP3157	SF-287-T	7/8" SW	Sporlan Suction Filter	181	227	
SP3159	SF-289-T	1-1/8" SW	Sporlan Suction Filter	181	242	
SP3161	SF-4811-T	1-3/8" SW	Sporlan Suction Filter	310	333	
SP3163	SF-4813-T	1-5/8" SW	Sporlan Suction Filter	310	341	



MUELLER SUCTION LINE FILTER DRIERS

The Suction Line Filter Drier has been specifically designed for system clean-up after a burn out or any time system cleanliness is questionable. High acid and water absorption. For use with HCFCs, HFCs, and lubricants that go with them. Not recommended for permanent use.

Stock No.	Model	Conn. Size (inch)	Description	Filter Area (cm2)	Length (mm)	Price \$ Excl. GST
H0306	A17224	1/2" SW	Mueller Suction Filter	167	154	
H0308	A17227	5/8" SW	Mueller Suction Filter	167	158	
H0311	A17225	1/2" MF	Mueller Suction Filter	167	175	
H0312	A17226	5/8" MF	Mueller Suction Filter	167	184	
H0313	A17228	3/4" SW	Mueller Suction Filter	167	170	
H0314	A17229	7/8" SW	Mueller Suction Filter	167	172	
H0315	A17230	1-1/8" SW	Mueller Suction Filter	167	173	
H0316	A17231	1-1/8" SW	Mueller Suction Filter	335	249	



COPPER SPUN LIQUID LINE DRIERS (Directional / Bi-Directional)

Stock No.	Model	Conn. Size (inch)	Description	Price \$ Excl. GST
H0250	MA Line D109	1/4"	10 gram XH9 Service Drier - Bi-directional	
H0247	MA Line D111	1/4"	12 gram XH9 Service Drier - capillary connection outlet with separate charging port	
H0256	MA Line D114	5/16" x 1/4"	30 gram XH9 Service Drier	



Note: Driers with XH9 desiccant are suitable for all refrigerants including blends and R134a


SPORLAN REPLACEABLE CORE TYPE - SUCTION LINE

Stock No.	Model	Conn. Size	Dessicant Volume (cm3)	Core Qty.	Length (mm)	Dia. (mm)	Price \$ Excl. GST
SP3462	RSF-489T	1-1/8" ODS	48	1	241	152	
SP3463	RSF-4811T	1-3/8" ODS	48	1	244		
SP3464	RSF-4813T	1-5/8" ODS	48	1	244		
SP3465	RSF-4817T	2-1/8" ODS	48	1	244		
SP3471	RSF-9621T	2-5/8" ODS	96	2	392		
SP3472	RSF-9625T	3-1/8" ODS	96	2	384		



Note: Cores are not included. Please refer to **Page 179** for cores.

SPORLAN REPLACEABLE CORE TYPE - LIQUID LINE

Stock No.	Model	Conn. Size	Dessicant Volume (cm3)	Core Qty.	Length (mm)	Dia. (mm)	Price \$ Excl. GST
SP3405	C-485G	5/8" ODS	48	1	232	152	
SP3407	C-487G	7/8" ODS	48	1	236		
SP3408	C-489G	1-1/8" ODS	48	1	241		
SP3416	C-967G	7/8" ODS	96	2	377		
SP3417	C-969G	1-1/8" ODS	96	2	382		
SP3419	C-9611G	1-3/8" ODS	96	2	384		
SP3113	C-14411G	1-3/8" ODS	144	3	525		



Notes: G SUFFIX - indicates unit is supplied with 1/4" female pipe connection in the flange plate and pipe plug. If the unit is intended for liquid line service an angle charging valve for system charging purposes can be installed in place of the pipe plug. If the unit is used in the suction line for clean-up after burnout, then insert a Schrader type access valve to serve as a pressure tap.

DRIERS



REPLACEABLE CORES TO SUIT REFILLABLE SHELLS

Stock No.	Model	Description	Price \$ Excl. GST
SP3702	RC-4864	Activated standard core - Standard core is suitable for most installations for liquid or suction line applications.	
SP3703	RC-4864-HH	Activated charcoal core - This core should be used for wax removal on low temperature systems, and for clean-up of systems that have had a hermetic motor burnout.	
SP3704	RCW-48	High Water capacity core - This core should be used on systems that have a high amount of moisture in the system. Designed specially for use with POE lubricants.	
SP3706	RC-10098	Activated standard core - Standard core is suitable for most installations for liquid or suction line applications. Fits types C-30000 and C-40000 Series shells.	



SUCTION LINE FILTER ELEMENT TO SUIT REFILLABLE SHELLS

Stock No.	Model	Description	Price \$ Excl. GST
SP3710	RPE-48-BD	Pleated Suction Line Filter Element - This element should be used in RSF shells installed in the suction line to obtain the lowest possible pressure drop after cores were used for system clean-up.	



GASKETS

Stock No.	Model	Description	Price \$ Excl. GST
SP3725	1291-001	AS-1704 Gasket	




LIQUID / MOISTURE INDICATING SIGHT GLASSES

Stock No.	Model	Connection		Description	Price \$ Excl. GST
		Size (inch)	Type		
Male Flare					
SP2700	SA-12	1/4	Male	Sporlan Sightglass	
SP2703	SA-13	3/8	Male	Sporlan Sightglass	
SP2710	SA-14	1/2	Male	Sporlan Sightglass	
SP2717	SA-15	5/8	Male	Sporlan Sightglass	
Male x Female Flare					
SP2701	SA-12FM	1/4	Male x Female	Sporlan Sightglass	
SP2704	SA-13FM	3/8	Male x Female	Sporlan Sightglass	
SP2711	SA-14FM	1/2	Male x Female	Sporlan Sightglass	
SP2709	SA-15U	5/8	Male x Female	Sightglass with swivel nut	
Solder					
SP2702	SA-12S	1/4	Solder	Sporlan Sightglass	
SP2705	SA-13S	3/8	Solder	Sporlan Sightglass	
SP2712	SA-14S	1/2	Solder	Sporlan Sightglass	
SP2718	SA-15S	5/8	Solder	Sporlan Sightglass	
SP2722	SA-17S	7/8"	Solder	Sporlan Sightglass	
SP2723	SA-19S	1-1/8	Solder	Sporlan Sightglass	
SP2724	SA-211	1-3/8	Solder	Sporlan Sightglass	
SP2726	SA-213	1-5/8	Solder	Sporlan Sightglass	
SP2728	SA-217	2-1/8	Solder	Sightglass - Solder	



SCHRADER VALVE / ACCESS PORTS

Stock No.	Description	Price \$ Excl. GST
T0080	Access Port sweats into 1/4" tube or 3/8" tube	
T0322	Access Port 9-way multi-fitting 1/8" through 1/2"	
T0324	Access Port with 50 mm 1/4" OD copper tail	
T0325	Access Valve 1/4" Flare by 5/16" OD tube	
T0358	Quick Seal Nut 1/4" Flare	
T0360	Valve Core Remover with Core Storage Facility	
T0365	Schrader Valve Core	
T0370	Schrader Valve Core - Suitable for R410A	


SCHRADER VALVE TEES

Stock No.	Model	Description	Price \$ Excl. GST
T0330	VTS-46	Solder Tee type -1/4" Schrader on 1/4" ODS x 1/4" ODS tube	
T0350	VTS-44	Swivel Tee - 1/4" schrader x 1/4" M.Fl x 1/4" F/Fl swivel nut	


LINE TAP VALVES

Needle automatically retracts to permit unrestricted flow.

Stock No.	Model	Description	Price \$ Excl. GST
T0309	A-1	Line Tap Valve to suit 1/4", 5/16" and 3/8" OD tube. Designed for permanent use on system. Mounts in any position.	
T0310	BPV31	Supco Bullet Piercing Valve for 1/4", 5/16" and 3/8" OD tube. Designed for permanent use on system. Mounts in any position.	





MUELLER BALL VALVES - WITH ACCESS PORT

Mueller ball valves may be used on high and low pressure refrigerant lines for either gas or liquid service. Suitable for HCFC, HFC refrigerants, and all refrigerant oils. The ball seals are carbon filled teflon. This permits higher sealing force than with virgin teflon, yet gives extended sealing life with the greater strength of the filled material.

Maximum working pressure is 775 psi (53 bar).
Maximum temperature range -40°C to +149°C.

Stock No.	Model	Conn. Size (inch)	Description	Price \$ Excl. GST
H0868	AQ17860C	3/8	Full Port Ball Valve with access port	
H0869	AQ17861C	1/2	Full Port Ball Valve with access port	
H0870	AQ17862C	5/8	Full Port Ball Valve with access port	
H0871	AQ17864C	7/8	Full Port Ball Valve with access port	
H0872	AQ17865	1-1/8	Full Port Ball Valve with access port	
H0873	AC17866	1-3/8	Full Port Ball Valve with access port	
H0875	AC17867	1-5/8	Full Port Ball Valve with access port	
H0876	AC17868	2-1/8	Full Port Ball Valve with access port	
H0877	AC17871	2-5/8	Reduced Port Ball Valve with access port	
H0878	AC17872	3-1/8	Reduced Port Ball Valve with access port	



MUELLER BALL VALVES FOR TRANSCRITICAL CO₂ SYSTEMS - (Indent only)

Mueller ball valves designed for Transcritical CO₂ systems. Full port construction. No access valve. Bleed hole in ball allows for the support of gas pressure without stressing other components.

Maximum working pressure is 2031 psi (140 bar).
Maximum temperature range -40°C to +149°C.

Model	Conn. Size (inch)	Description	Price \$ Excl. GST
AF17856XHP	3/8	Full Port Ball Valve for Transcritical CO ₂ systems	
AF17861XHP	1/2	Full Port Ball Valve for Transcritical CO ₂ systems	
AF17862XHP	5/8	Full Port Ball Valve for Transcritical CO ₂ systems	
AF17864XHP	7/8	Full Port Ball Valve for Transcritical CO ₂ systems	
AF17865XHP	1-1/8	Full Port Ball Valve for Transcritical CO ₂ systems	
AF17866XHP	1-3/8	Full Port Ball Valve for Transcritical CO ₂ systems	
AF17867XHP	1-5/8	Full Port Ball Valve for Transcritical CO ₂ systems	
AF17868XHP	2-1/8	Full Port Ball Valve for Transcritical CO ₂ systems	



VALVES - CHECK


MUELLER INLINE CHECK VALVES

These valves offer minimum restriction to flow and provide a positive seal against reverse flow. They will operate in any position.

Maximum working pressure is 700 psi (48 bar).

Maximum temperature range -40°C to +149°C

Stock No.	Model	Size (inch)	Description	Price \$ Excl. GST
Flare Connection				
G0501	A15620	1/4	In-line check valve - male flare connection	
G0503	A15621	3/8	In-line check valve - male flare connection	
G0505	A15622	1/2	In-line check valve - male flare connection	
G0507	A15623	5/8	In-line check valve - male flare connection	
Solder Connection				
G0490	A15632	1/4	In-line check valve - solder connection	
G0491	A15633	3/8	In-line check valve - solder connection	
G0492	A15634	1/2	In-line check valve - solder connection	
G0493	A15635	5/8	In-line check valve - solder connection	


MUELLER FOUR-BOLT CHECK VALVES

Four-bolt check valves feature forged brass bodies that exceed the most stringent quality standards in the industry. The four-bolt flanges allow easy removal and reassembly of internal components. Suitable for either horizontal or vertical installation (not to be installed with bonnet facing down). Y type design provides minimal pressure drop and increased flow capacity.

Maximum working pressure is 700 psi (48 bar).

Maximum temperature range -40°C to +149°C

Stock No.	Model	Size (inch)	Description	Price \$ Excl. GST
Solder Connection				
G0509	B34235	7/8	Four bolt check valve - solder connection	
G0510	B34236	1-1/8	Four bolt check valve - solder connection	
G0511	B34237	1-3/8	Four bolt check valve - solder connection	
G0512	B34238	1-5/8	Four bolt check valve - solder connection	
G0514	B34239	2-1/8	Four bolt check valve - solder connection	


FOUR-BOLT CHECK VALVE - GASKETS

Stock No.	Model	Description	Price \$ Excl. GST
G0516	P35708	Gasket for B34235 (7/8") & B34236 (1-1/8")	
G0517	P35691	Gasket for B34237 (1-3/8") & B34238 (1-5/8")	
G0518	P35721	Gasket for B34239 (2-1/8")	



VALVES - HAND SHUT OFF & RECEIVER


MUELLER HAND SHUT OFF VALVES

Mueller valves have full size openings for maximum flow with minimum restriction. The maximum working pressure is 700 psi (48 bar) with flow in direction of the arrow, and 300 psi (24 bar) with flow against the arrow. Working temperature range is -40°C to +149°C. All valves diaphragm type.

Stock No.	Model	Size (inch)	Description	Price \$ Excl. GST
Solder Connection				
H0820	A14848	1/4	Hand shut off valve - solder connection	
H0822	A14851	1/2	Hand shut off valve - solder connection	
Flare Connection				
H0841	A14833	1/4	Hand shut off valve - flare connection	
H0842	A14835	3/8	Hand shut off valve - flare connection	
H0843	A14836	1/2	Hand shut off valve - flare connection	
H0844	A14837	5/8	Hand shut off valve - flare connection	


MUELLER LIQUID RECEIVER VALVES

Maximum working pressure 700 psi (48 bar).
Maximum temperature range -40°C to 149°C.

Stock No.	Model	Size	Description	Price \$ Excl. GST
H0951	A-11031	1/4" M.Fl x 1/4" NPT	Receiver Valve	
H0952	A-13613	1/4" M.Fl x 3/8" NPT	Receiver Valve	
H0953	A-11030	3/8" M.Fl x 1/4" NPT	Receiver Valve	
H0954	A-13503	3/8" M.Fl x 3/8" NPT	Receiver Valve	
H0955	A-11042	1/2" M.Fl x 3/8" NPT	Receiver Valve	
H0956	A-13220	1/2" M.Fl x 1/2" NPT	Receiver Valve	
H0958	A-13183	5/8" M.Fl x 1/2" NPT	Receiver Valve	




EVAPORATOR PRESSURE REGULATORS

Stock No.	Model	Conn. Size (inch)	Description	Press. Range (psig)	Price \$ Excl. GST
Flare Connection					
SP2100	ORIT-6	1/2	EPR Valve - Flare	0-50	
Solder Connection					
SP2103	ORIT-6	5/8	EPR Valve - Solder	0-50	
SP2104	ORIT-6	7/8	EPR Valve - Solder		
SP2130	ORIT-10	7/8	EPR Valve - Solder		
SP2132	ORIT-10	1-1/8	EPR Valve - Solder		
SP2134	ORIT-10	1-3/8	EPR Valve - Solder		
SP2107	ORIT-6	5/8	EPR Valve - Solder	30-50	
SP2109	ORIT-6	7/8	EPR Valve - Solder		
SP2110	ORIT-6	1-1/8	EPR Valve - Solder		
SP2114	ORIT-10	7/8	EPR Valve - Solder		
SP2115	ORIT-10	1-1/8	EPR Valve - Solder		
SP2116	ORIT-10	1-3/8	EPR Valve - Solder		


EVAPORATOR PRESSURE REGULATORS (Externally Pilot Operated)

Stock No.	Model	Conn. Size (inch)	Description	Press. Range (psig)	Price \$ Excl. GST
Solder Connection					
SP2164	(S) ORIT-20	1-5/8	EPR Valve - Solder	0-100	


EVAPORATOR PRESSURE REGULATORS (Internally Pilot Operated)

Stock No.	Model	Conn. Size (inch)	Description	Press. Range (psig)	Price \$ Excl. GST
Solder Connection					
SP2204	(S) ORIT-PI-27S	7/8	EPR Valve - Solder	0-100	
SP2206	(S) ORIT-PI-29S	1-1/8	EPR Valve - Solder		
SP2216	(S) ORIT-PI-311S	1-3/8	EPR Valve - Solder		
SP2224	(S) ORIT-PI-513S	1-5/8	EPR Valve - Solder		
SP2226	(S) ORIT-PI-517S	2-1/8	EPR Valve - Solder		



• (S) ORIT-PI's are Evaporator Pressure Regulating Valves Piloted Internally (no high side connection required) with an Electric Shut-off option.

Note: MKC1 Coil supplied separately.

• Refer to the Realcold Technical Department for capacity ratings.


EVAPORATOR PRESSURE REGULATORS (Electrically Operated)

Stock No.	Model	Conn. Size (inch)	Description	Cable Length (m)	Price \$ Excl. GST
Solder Connection					
SP2240	CDS9	5/8	EPR Valve - Solder	3	
SP2241	CDS9	7/8	EPR Valve - Solder		
SP2242	CDS9	1-1/8	EPR Valve - Solder		
SP2242A	CDS9	1-3/8	EPR Valve - Solder		
SP2244	CDS17	1-3/8	EPR Valve - Solder		
SP2245	CDS17	1-5/8	EPR Valve - Solder		
SP2246	CDS17	2-1/8	EPR Valve - Solder		


CRANKCASE PRESSURE REGULATORS

Stock No.	Model	Conn. Size (inch)	Description	Press. Range (psig)	Price \$ Excl. GST
Solder Connection					
SP2003	CRO-6-0/60	1/2	CPR Valve - Solder	0-60	
SP2004	CRO-6-0/60	5/8	CPR Valve - Solder		
SP2012	CRO-10-0/60	7/8	CPR Valve - Solder		
SP2013	CRO-10-0/60	1-1/8	CPR Valve - Solder		
SP2014	CRO-10-0/60	1-3/8	CPR Valve - Solder		
SP2009	CRO-6-30/110	5/8	CPR Valve - Solder	30-110	
SP2010	CRO-6-30/110	7/8	CPR Valve - Solder		
SP2015	CRO-10-30/110	7/8	CPR Valve - Solder		
SP2016	CRO-10-30/110	1-1/8	CPR Valve - Solder		
SP2017	CRO-10-30/110	1-3/8	CPR Valve - Solder		


HOT GAS BYPASS VALVE

Stock No.	Model	Conn. Size (inch)	Description	Press. Range (psig)	Price \$ Excl. GST
Solder Connection					
SP2360	ADRSE-2	01-Feb	Hot Gas Bypass Valve	0-80	



- Other valves sizes available on request.
- Please contact one of our technical staff to assist you with selecting a suitable valve for your application.

VALVES - RELIEF & DUAL PORT


MUELLER PRESSURE RELIEF VALVES

Valves listed are constructed and stamped with the ASME UV symbol in accordance with the requirements of the ASME and are approved by Maritime Transport - a Division of the New Zealand Ministry of Transport. The set point of the relief valve must not exceed the safe working pressure (SWP) stamped on an approved receiver.

Stock No.	Model	Size Connections		Pressure Settings		Discharge Capacity	Price \$ Excl. GST
		Inlet	Outlet	PSI	kPa	Kg air/min	
Atmospheric Type							
G0543	A-18774-400	1/8" MPT	Atmosphere	400	2756	3.2	
G0544	A-18774-350	1/8" MPT	Atmosphere	350	2413	2.9	
G0545	A-18774-300	1/8" MPT	Atmosphere	300	2068	2.4	
G0548	B-33755-400	1/4" MPT	Atmosphere	400	2756	3.2	
G0547	B-33755-350	1/4" MPT	Atmosphere	350	2413	2.9	
G0546	B-33755-300	1/4" MPT	Atmosphere	300	2068	2.4	
Straight Through Type							
H0932	A-18737-400	3/8" MPT	5/8" MF	400	2756	15.2	
BZPK06-016	A-15504-425	1/2" MPT	5/8" MF	425	2930	16.1	
G0567	A-15504-400	1/2" MPT	5/8" MF	400	2756	15.2	
W9405	A-15504-250	1/2" MPT	5/8" MF	250	1724	9.6	
G0565	A-15504-350	1/2" MPT	5/8" MF	350	2413	13.4	
G0559	A-15504-300	1/2" MPT	5/8" MF	300	2068	11.5	
G0572	B-34519-180	1-5/16-12 UNF	1" NPTFI	180	1241	19.0	
G0573	B-34580-180	1-5/8-12 UNF	1-1/4" NPTFI	180	1241	31.2	

Note: The above are National Pipe Threads 9.27

THREE WAY HAND SHUT-OFF VALVES

Stock No.	Description	Max. Working Pressure	Price \$ Excl. GST
G0580	Henry 925 Brass 1/2" FPT Dual shut off valve	675 psi	
G0582	Mueller Brass 1/2" FPT Dual shut off valve	700 psi	

- Body - Forged Brass. Seat Discs - Steel
- Working Temperature Range: -40°C to +149°C


SAGINOMIYA 4-WAY REVERSING VALVE

Stock No.	Model	Description	Nom. Cap. (kW)		Refrigerant	Pipe Sizes		Coil incl.	Price \$ Excl. GST
			Min	Max		Disch.	Suct. & Coils		
G1100	STF-0201G	Reversing Valve c/w Coil	2.8	11.4	R22/R407C/R410A	3/8"	1/2"	YES	
G1112	STF-0214G	Reversing Valve c/w Coil	2.8	11.4	R22/R407C/R410A	1/2"	5/8"	YES	
G1114	STF-0408G	Reversing Valve c/w Coil	8.3	29.2	R22/R407C/R410A	1/2"	3/4"	YES	


GREE AIR CONDITIONER 4-WAY REVERSING VALVE

Stock No.	Model	Description	Nom. Cap. (kW)		Refrigerant	Pipe Sizes		Coil incl.	Price \$ Excl. GST
			Min	Max		Disch.	Suct. & Coils		
ACSG0301	SHF-7H-34U	Reversing Valve <u>without</u> Coil	6.5	11.0	R22/R407C/R410A	3/8"	1/2"	NO	


COILS FOR REVERSING VALVES

Stock No.	Model	Description	Price \$ Excl. GST
G1105	SG961	Coil suits CHV/STF Reversing Valves	
ACSG0681	SHF-4-10L3	Coil suits Gree SHF-7H-34U Valve	



ROTALOCK VALVES

Features and Benefits

- Polished steel spindle with Teflon gland seal.
- Seat surfaces are copper.
- Optimum flow due to recessed spindle (back seat position).
- Zinc Blue Passivated coating (Salt spray tested to 300 hours)
- Dual 1/4" MSAE access ports.
- Safe Working Pressure: 4,200 kPa.
- Suitable for all fluorinated refrigerants and oil



Stock No.	Model	Size	Rotalock Thread Size	Price \$ Excl. GST
H1006	2616-041220-HEX	1/4" M.Fl - Horizontal	3/4"	
H1007	2606-061620	3/8" F.Sw - Horizontal	1"	
H1009	2616-061220	3/8" M.Fl - Horizontal	3/4"	
H1014	2606-081620	1/2" F.Sw - Horizontal	1"	
H1017	2606-101620	5/8" F.Sw - Horizontal	1"	
H1031	2606-122030	3/4" F.Sw -Horizontal	1-1/4"	
H1036	2606-142030	7/8" F.Sw - Horizontal	1-1/4"	
H1042	2606-182835	1-1/8" F.Sw - Horizontal	1-3/4"	
H1045	2606-222835	1-3/8" F.Sw - Horizontal	1-3/4"	



ROTALOCK SPUD CONNECTORS

Stock No.	Model	Size	Rotalock Thread Size	Price \$ Excl. GST
H1074	965-26XX-20S	1-1/4" Rotalock Spud less process port	1-1/4"	
H1080	965-26XX-28S	1-3/4" Rotalock Spud less process port	1-3/4"	



ROTALOCK ELBOW CONNECTOR

Stock No.	Model	Size	Rotalock Thread Size	Price \$ Excl. GST
H1115	291-1016	Rotalock Elbow 5/8" ODF x 1" R/L Nut.	1"	24.00



TEFLON SEALS

Stock No.	Model	Size	Price \$ Excl. GST
H1103	800-26XX-12	3/4" Teflon Fibre Seal	
H1104	800-26XX-16	1" Teflon Fibre Seal	
H1105	800-26XX-20	1-1/4" Teflon Fibre Seal	
H1106	800-26XX-28	1-3/4" Teflon Fibre Seal	





PARKER SOLENOID VALVES

Features and Benefits

- V series are extremely rugged, simple design - few parts
- Tight closing through use of ruby and stainless steel in the valve seat
- Coil included



PARKER SOLENOID VALVES - INCLUDES COIL

Stock No.	Model	Conn. Size	Type	Operating Pressure Differential (bar)			MWP (bar)	Kv (m3/hr)	Price \$ Excl. GST
				Min	Max (a.c)	Max (d.c)			
Flare Connections									
G0250	V4F2	1/4"	Direct Acting	0	30	21	35	0.27	
G0254	V4F3	3/8"	Direct Acting	0	30	21	35	0.27	
G0255	V10F3	3/8"	Pilot Operated	0.1	30	21	35	1.4	
G0265	V13F4	1/2"	Pilot Operated	0.1	30	21	35	1.88	
G0275	V19F5	5/8"	Pilot Operated	0.1	30	10	35	3.3	
Solder Connections									
G0252	V3S2	1/4"	Direct Acting	0	30	21	35	0.19	
G0260	V10S3	3/8"	Pilot Operated	0.1	30	21	35	1.4	
G0270	V13S4	1/2"	Pilot Operated	0.1	30	21	35	1.88	
G0280	V19S5	5/8"	Pilot Operated	0.1	30	10	35	3.3	
G0285	V23S6	3/4"	Pilot Operated	0.1	30	10	35	3.85	
G0290	V23S7	7/8"	Pilot Operated	0.1	30	10	35	4.32	
G0295	V23S9	1-1/8"	Pilot Operated	0.1	30	10	35	4.32	

Notes: The valves can be mounted in any position, except with the coil pointing downwards

PARKER SOLENOID VALVE BRACKET

Stock No.	Model	Description	Price \$ Excl. GST
G0251	170511	Parker Solenoid Valve Bracket	

Please refer to **Page 192** for solenoid valve coils.



SPORLAN SOLENOID VALVES

Features and Benefits

- Can be mounted in a horizontal or vertical line
- E series can be brazed without disassembly
- Tight closing through use of synthetic seating material



SPORLAN SOLENOID VALVES - LESS COIL

Stock No.	Model	Conn. Size	Description	Coil Type (not incl.)	Price \$ Excl. GST
Flare Connections					
SP1411	B6F1	3/8"	Solenoid Valve - M.FI	MKC1	
SP1427	B10F2	1/2"	Solenoid Valve - M.FI	MKC2	
SP1800	180	1/4"	Solenoid Pilot Control Valve - M.FI	MKC2	
Solder Connections					
SP1405	E5S120	1/4"	Solenoid Valve - ODF	MKC1	
SP1414	E6S130	3/8"	Solenoid Valve - ODF	MKC1	
SP1415	ME6S130	3/8"	Solenoid Valve - ODF - with Manual Lift	MKC1	
SP1430	E9S240	1/2"	Solenoid Valve - ODF	MKC2	
SP1431	ME9S240	1/2"	Solenoid Valve - ODF - with Manual Lift	MKC2	
SP1450	E14S250	5/8"	Solenoid Valve - ODF	MKC2	
SP1452	ME14S250	5/8"	Solenoid Valve - ODF - with Manual Lift	MKC2	
SP1462	E19S270	7/8"	Solenoid Valve - ODF	MKC2	
SP1464	ME19S270	7/8"	Solenoid Valve - ODF - with Manual Lift	MKC2	
SP1472	E25S290	1-1/8"	Solenoid Valve - ODF	MKC2	
SP1474	ME25S290	1-1/8"	Solenoid Valve - ODF - with Manual Lift	MKC2	
SP1827	ME35S1110	1-3/8"	Solenoid Valve - ODF - with Manual Lift	MKC2	
SP1829	ME42S2130	1-5/8"	Solenoid Valve - ODF - with Manual Lift	MKC2	



Notes:

- The E5, E6 E9 and E14 are compact solenoids with Pilot Operated construction. They may be mounted horizontal, side on or in a vertical Line.
 - The E19 to E25 are Pilot Operated solenoids. They may be mounted horizontal, side on, or in a vertical Line.
 - All E series valves feature extended connections, for installation without disassembly, using low silver content brazing alloy.
- Please refer to **Page 192** for solenoid valve coils.

SOLENOID VALVE COILS
SPORLAN SOLENOID VALVE COILS

Stock No.	Model	Description	Price \$ Excl. GST
SP1900	MKC1	Solenoid Coil 240V 50Hz	
SP1901	MKC1E	Solenoid Coil 240V 50Hz	
SP1905	MKC2	Solenoid Coil 240V 50Hz	
SP1906	MKC2E	Solenoid Coil 240V 50Hz	



Notes: Many more models and variations are available - just ask your Realcold representative for advice.

PARKER SOLENOID VALVE COILS

Stock No.	Model	Description	Price \$ Excl. GST
G0302	304505	YB14 Parker Solenoid Coil 14W 230V 50/60Hz c/w tails	
G0310	304390	YB09 Parker Solenoid Coil 9W 24v 50/60hz c/w tails	
G0312	304987	RT14 Parker Solenoid Coil 14W 230v 50/60hz Din Plug Connection	
G0313	C18209N21	Parker DIN Plug Kit	


CASTEL SOLENOID VALVE COIL

Stock No.	Model	Description	Price \$ Excl. GST
C1965	7580111	Solenoid Coil 240V 50Hz	


MANUAL SOLENOID ACTIVATOR

Stock No.	Model	Description	Price \$ Excl. GST
H1060	2405-MAG	Manual Solenoid Activator	





SPORLAN SPW SERIES PWM VALVES

The Sporlan SPW line of electric expansion valves uses pulse width modulation (PWM) control to manage refrigerant flow in direct expansion CO₂, HFC, HCFC and HFO refrigeration systems. The valve's duty cycle is varied based on measured evaporator superheat. Typical controllers monitor superheat and vary the duty cycle across a 6 second period.

Features and Benefits

- Controls refrigerant by cycling on/off during 6 second period
- Designed for CO₂, HFC, HCFC and HFO System Operation
- Operates from 10% to 100% of rated capacity
- Maximum Rated Pressure (MRP) 1305 psig / 90 barg
- Maximum Operating Pressure Differential (MOPD) 507 psid / 35 bar

Selection Criteria

- All capacities below are based on 75% valve capacity to allow for pulldown and start up after defrost
- Valve selection should not be less than 20% of rated capacity at nominal conditions
- Liquid Line design should not exceed a velocity of 0.7m/sec



SPORLAN SPW SERIES VALVE - (Excludes Coil)

Stock No.	Model	Selection Capacity (kW) @ 75%				Conn. Size (inch)	Price \$ Excl. GST
		R449A	R404A	R134a	R744		
		-5°C SST			-35°C SST		
SPW-0	953430	0.31	0.23	0.26	0.50	3/8" x 1/2"	
SPW-1	953431	0.75	0.56	0.62	1.22	3/8" x 1/2"	
SPW-2	953432	1.36	1.00	1.11	2.18	3/8" x 1/2"	
SPW-3	953433	2.08	1.53	1.74	3.37	3/8" x 1/2"	
SPW-4	953434	3.58	2.65	2.97	5.84	3/8" x 1/2"	
SPW-5	953435	5.63	4.22	4.69	9.15	3/8" x 1/2"	
SPW-6	953436	9.60	7.10	8.04	15.38	3/8" x 1/2"	
SPW-7	953437	16.67	12.50	13.80	27.15	3/8" x 1/2"	

Selection capacities are based on:

HFC - Condensing temp 42°C and 38°C Liquid temp (4K Subcooling)
 R744 - Condensing temp - 5°C and 4°C Liquid temp

SPW SERIES COIL

Stock No.	Model	Description	Price \$ Excl. GST
SPWC-1E	335007	Coil for SPW Valve. 220 - 240 Volt, 50/60 Hz	
G0313	C18209N21	DIN Plug Kit	



Notes:

- Approved only for liquid expansion applications
- Valve supplied less coil
- Refer to **Page 131** for valve controllers

CORRECTION FACTORS FOR SUBCOOLING

Refrigerant	15°K	10°K	4°K	0°K
R449A	1.16	1.08	0.00	0.96
R404A	1.20	1.10	0.00	0.92
R134A	1.14	1.07	0.00	0.94

Subcooling correction factors only relate to the refrigerants above.

For all other refrigerants or alternative R744 selection please consult your Local Realcold representative.

VALVES - THERMOSTATIC EXPANSION
 SPORLAN J8 SERIES

SPORLAN J8 THERMOSTATIC EXPANSION VALVES
Features and Benefits

- US manufacture and quality
- Copper capillary 5-times better conductivity than Stainless Steel
- Plasma welded rather than laser welded
- New design, Long-life diaphragm
- Copper connections or Flare SAE connections
- Compatible as a direct replacement for Danfoss TX valves
- Orifices are also suitable for use with Danfoss T2 and TE2 Valves



Stock No.	Model	Refrigerant	Equalised	Outlet Connection	MOP Bar / °C	Evap. Temp Range	Price \$ Excl. GST
R134a Refrigerant							
SP5001	J8S-JW	R134a	Internal	1/2" Solder	-	-40 to +15°C	
SP5002	J8ES-JW		External		-	-40 to +15°C	
SP5030	J8S-JX60		Internal		4.1 / +17°C	-40 to +15°C	
SP5031	J8ES-JX60		External		4.1 / +17°C	-40 to +15°C	
SP5015	J8F-JW		Internal	1/2" Flare	-	-40 to +15°C	
SP5016	J8EF-JW		External		-	-40 to +15°C	
SP5038	J8F-JX60		Internal		4.1 / +17°C	-40 to +15°C	
SP5039	J8EF-JX60		External		4.1 / +17°C	-40 to +15°C	
R404A / R507 Refrigerant							
SP5005	J8S-SW	R404A R507	Internal	1/2" Solder	-	-40 to +10°C	
SP5006	J8ES-SW		External		-	-40 to +10°C	
SP5034	J8S-SX110		Internal		7.6 / +12°C	-40 to +10°C	
SP5035	J8ES-SX110		External		7.6 / +12°C	-40 to +10°C	
SP5036	J8S-SX35		Internal		2.4 / -17°C	-40 to -18°C	
SP5037	J8ES-SX35		External		2.4 / -17°C	-40 to -18°C	
SP5017	J8F-SW		Internal	1/2" Flare	-	-40 to +15°C	
SP5018	J8EF-SW		External		-	-40 to +15°C	
SP5040	J8F-SX110		Internal		7.6 / +12°C	-40 to +10°C	
SP5041	J8EF-SX110		External		7.6 / +12°C	-40 to +10°C	
SP5042	J8F-SX35		Internal		2.4 / -17°C	-40 to -18°C	
SP5043	J8EF-SX35		External		2.4 / -17°C	-40 to -18°C	

VALVES - THERMOSTATIC EXPANSION
 SPORLAN J8 SERIES


Stock No.	Model	Refrigerant	Equalised	Outlet Connection	MOP Bar / °C	Evap. Temp Range (°C)	Price \$ Excl. GST
R22 / R407C / R407F / R448A / R449A Refrigerant							
SP5060	J8S-NW	R22 R407C R407F R448A R449A	Internal	1/2" Solder	-	-40 to +15°C	
SP5062	J8ES-NW		External		-	-40 to +15°C	
SP5068	J8S-NX100		Internal		6.9 / +17°C	-40 to +15°C	
SP5070	J8ES-NX100		External		6.9 / +17°C	-40 to +15°C	
SP5064	J8F-NW		Internal	1/2" Flare	-	-40 to +15°C	
SP5066	J8EF-NW		External		-	-40 to +15°C	
SP5072	J8F-NX100		Internal		6.9 / +17°C	-40 to +15°C	
SP5074	J8EF-NX100		External		6.9 / +17°C	-40 to +15°C	



SPORLAN J8 ORIFICES

Orifices are also suitable for use with Danfoss T2 and TE2 Valves

Stock No.	Model	Description	Price \$ Excl. GST
SP5007	J8C - 0X	Sporlan J8 Orifice	
SP5008	J8C - 00	Sporlan J8 Orifice	
SP5009	J8C - 01	Sporlan J8 Orifice	
SP5010	J8C - 02	Sporlan J8 Orifice	
SP5011	J8C - 03	Sporlan J8 Orifice	
SP5012	J8C - 04	Sporlan J8 Orifice	
SP5013	J8C - 05	Sporlan J8 Orifice	
SP5014	J8C - 06	Sporlan J8 Orifice	



VALVES - THERMOSTATIC EXPANSION
 SPORLAN J8 SERIES


SPORLAN J8 VALVE CAPACITY TABLES (kW)

Refrigerant	Stock Number	Orifice Number	Pressure Drop across the Valve								
			6 bar			10 bar			14 bar		
			Evaporating Temperature								
			-30°C	-10°C	0°C	-30°C	-10°C	0°C	-30°C	-10°C	0°C
R404A / R507	SP5007	J8C - 0X	0.4	0.4	0.5	0.4	0.5	0.5	0.4	0.4	0.5
	SP5008	J8C - 00	0.7	0.9	1.0	0.8	1.0	1.0	0.8	0.9	1.0
	SP5009	J8C - 01	1.1	1.5	1.8	1.1	1.6	2.0	1.1	1.6	2.0
	SP5010	J8C - 02	1.6	2.5	3.0	1.7	2.7	3.2	1.7	2.7	3.2
	SP5011	J8C - 03	2.7	4.2	5.0	2.9	4.5	5.4	2.8	4.5	5.3
	SP5012	J8C - 04	4.5	6.9	8.3	4.7	7.4	9.0	4.7	7.4	8.9
	SP5013	J8C - 05	5.5	8.4	10.0	5.7	9.0	10.8	5.7	9.0	10.8
	SP5014	J8C - 06	6.0	9.3	11.0	6.3	9.9	11.9	6.2	9.9	11.8

Refrigerant	Stock Number	Orifice Number	Pressure Drop across the Valve								
			4 bar			6 bar			8 bar		
			Evaporating Temperature								
			-30°C	-10°C	0°C	-30°C	-10°C	0°C	-30°C	-10°C	0°C
R134a / R513A	SP5007	J8C - 0X	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6
	SP5008	J8C - 00	0.8	0.9	1.0	0.9	1.0	1.0	0.9	1.0	1.1
	SP5009	J8C - 01	1.2	1.4	1.7	1.3	1.5	1.9	1.4	1.6	2.0
	SP5010	J8C - 02	1.8	2.2	2.6	2.0	2.4	3.0	2.1	2.6	3.1
	SP5011	J8C - 03	2.9	3.7	4.4	3.3	4.1	5.0	3.5	4.3	5.2
	SP5012	J8C - 04	4.8	6.0	7.3	5.3	6.7	8.2	5.7	7.1	8.7
	SP5013	J8C - 05	5.8	7.3	8.9	6.5	8.1	9.9	6.9	8.6	10.8
	SP5014	J8C - 06	6.4	8.0	9.7	7.2	9.0	10.9	7.6	9.5	11.5

This information is intended only as a guide. For further information or selection assistance, please contact your local Realcold branch. Realcold accepts no liability for the information provided and any selection is the responsibility of the purchaser / installer.

VALVES - THERMOSTATIC EXPANSION
 SPORLAN J8 SERIES

SPORLAN J8 VALVE CAPACITY TABLES (kW)

Refrigerant	Stock Number	Orifice Number	Pressure Drop across the Valve								
			6 bar			10 bar			14 bar		
			Evaporating Temperature								
			-20°C	-10°C	0°C	-20°C	-10°C	0°C	-20°C	-10°C	0°C
R22 / R407C / R407F R448A / R449A	SP5007	J8C - 0X	0.6	0.6	0.6	0.6	0.7	0.7	0.6	0.7	0.7
	SP5008	J8C - 00	1.1	1.2	1.3	1.2	1.3	1.4	1.3	1.4	1.5
	SP5009	J8C - 01	1.7	2.1	2.5	2.0	2.3	2.8	2.0	2.4	2.9
	SP5010	J8C - 02	2.7	3.3	4.1	3.1	3.8	4.6	3.2	4.0	4.8
	SP5011	J8C - 03	4.5	5.6	6.7	5.1	6.4	7.7	5.3	6.7	7.9
	SP5012	J8C - 04	7.5	9.2	11.2	8.5	10.6	12.8	8.8	11.0	13.2
	SP5013	J8C - 05	9.1	11.1	13.6	10.2	12.8	15.5	10.6	13.2	15.9
	SP5014	J8C - 06	10.0	12.2	14.9	11.3	14.0	17.0	11.7	14.5	17.5

This information is intended only as a guide. For further information or selection assistance, please contact your local Realcold branch. Realcold accepts no liability for the information provided and any selection is the responsibility of the purchaser / installer.

CORRECTION FACTOR (CF) LIQUID TEMPERATURE

TEV corrected capacity = Required Evaporator capacity / correction factor (CF) for subcooling

Refrigerant	Subcooling	4°K	10°K	15°K	20°K	25°K	30°K	35°K
R404A/R507	Correction Factor	1.00	1.10	1.20	1.29	1.37	1.46	1.54
R134a	Correction Factor	1.00	1.08	1.13	1.19	1.25	1.31	1.37
R22 / R407C / R407F R448A / R449A	Correction Factor	1.00	1.08	1.14	1.21	1.27	1.33	1.39

VALVES - THERMOSTATIC EXPANSION
 SPORLAN Q SERIES

SPORLAN Q TX VALVES
Features and Benefits

- Changeable orifice and power element makes Q a truly universal valve
- The interchangeable nature of the Q family make it ideal for reducing inventory
- SQ Valve bodies feature a forged inlet with a removable 100 mesh strainer


SQ SERIES VALVE BODIES

Stock No.	Model	Description	Conn. Size (inch)	Price \$ Excl. GST
Solder Connections. SQ Body with Forged Inlet with Removable Mesh Strainer				
SP0001	SQ-ODF	Internally Equalised, Solder connections	3/8 x 1/2	
SP0002	SQE-ODF	Externally Equalised, Solder connections		

Q SERIES VALVE BODIES

Stock No.	Model	Description	Conn. Size (inch)	Price \$ Excl. GST
Flare Connections				
SP0003	Q-SAE	Internally Equalised, Flare connections	3/8 x 1/2	
SP0004	QE-SAE	Externally Equalised, Flare connections		

Q ORIFICES

Stock No.	Model Orifice Size	Colour code	Nominal Capacity (kW)			Price \$ Excl. GST
			R404A	R449A	R134a	
SP0010	Q-0	Red	0.6	1.0	0.6	
SP0011	Q-1	Yellow	0.9	2.3	0.9	
SP0012	Q-2	Green	1.8	3.3	1.8	
SP0013	Q-3	Blue	3.5	5.0	3.5	
SP0014	Q-4	Pink	5.3	7.9	5.3	
SP0015	Q-5	Black	7.0	10.4	7.0	
SP0016	Q-6	White	10.6	13.9	8.8	

ELEMENT

Stock No.	Model	Refrigerant	Application	Price \$ Excl. GST
SP0049	KT43-VCP100	R22, R407C	Air Conditioning (MOP)	
SP0020	KT-43-VC	R22, R407A, R407C, R407F, R448A, R449A	+10°C to -25°C	
SP0044	KT43-VZ		-40°C to -17°C	
SP0030	KT43JC-5	R134a, R513A, R401	+10°C to -25°C	
SP0040	KT43SC-5	R404A, R402A, R507	+10°C to -25°C	
SP0041	KT43SZ-5		-20°C to -40°C	
SP0042	KT43SZP-5		-20°C to -40°C (MOP)	
SP0047	KT43-DC		R449A, R448A	+10°C to -25°C

- Nominal kW values are a guide only. Use Sporlan selection tables or software for accurate selection
- Please contact one of our technical staff if you would like us to select a valve for your application

VALVES - THERMOSTATIC EXPANSION
 SPORLAN BQ SERIES

SPORLAN BQ BALANCED PORT TX VALVES
Features and Benefits

- BQ series "balanced port" design offers stable control
- Changeable orifice and power element makes BQ a truly universal valve
- SBQ Valve bodies feature a forged inlet with a removable 100 mesh strainer


SBQ SERIES VALVE BODIES

Stock No.	Model	Description	Conn. Size (inch)	Price \$ Excl. GST
Solder Connections. SBQ Body with Forged Inlet with Removable Mesh Strainer				
SP0071	SBQ-ODF	Internally Equalised, Solder connections	3/8 x 1/2	
SP0072	SBQE-ODF	Externally Equalised, Solder connections		

BQ SERIES VALVE BODIES

Stock No.	Model	Description	Conn. Size (inch)	Price \$ Excl. GST
Flare Connections				
SP0073	BQ-SAE	Internally Equalised, Flare connections	3/8 x 1/2	
SP0074	BQE-SAE	Externally Equalised, Flare connections		

BQ ORIFICES

Stock No.	Model Orifice Size	Colour code	Nominal Capacity (kW)			Price \$ Excl. GST
			R404A	R449A	R134a	
SP0080	AAA	Red	0.4 - 0.7	0.4 - 1.2	0.4 - 0.7	
SP0081	AA	Yellow	0.9 - 1.2	1.7 - 2.3	0.9 - 1.2	
SP0082	A	Blue	1.8 - 3.5	2.6 - 5.3	1.7 - 3.5	
SP0083	B	Pink	4.4 - 7.0	6.2 - 10.6	4.4 - 6.2	
SP0084	C	White	7.9 - 10.6	11.4 - 19.3	7.0 - 10.6	

ELEMENT

Stock No.	Model	Refrigerant	Application	Price \$ Excl. GST
SP0049	KT43-VCP100	R22, R407C	Air Conditioning (MOP)	
SP0020	KT-43-VC	R22, R407A, R407C, R407F, R448A, R449A	+10°C to -25°C	
SP0044	KT43-VZ		-40°C to -17°C	
SP0030	KT43JC-5	R134a, R513A, R401	+10°C to -25°C	
SP0040	KT43SC-5	R404A, R402A, R507	+10°C to -25°C	
SP0041	KT43SZ-5		-20°C to -40°C	
SP0042	KT43SZP-5		-20°C to -40°C (MOP)	
SP0047	KT43-DC	R449A, R448A	+10°C to -25°C	

- Nominal kW values are a guide only. Use Sporlan selection tables or software for accurate selection
- Please contact one of our technical staff if you would like us to select a valve for your application

VALVES - THERMOSTATIC EXPANSION
 SPORLAN S SERIES

SPORLAN S SERIES TX VALVES
Features and Benefits

- General purpose valve for commercial refrigeration applications
- Brass body with silver soldered connections for leakproof, high strength connection.
- Accessible internal construction allows the valve to be disassembled, and the internal parts cleaned and inspected
- Removable thermostatic elements allows field replacement


SPORLAN S SERIES

Stock No.	Model	Refrigerant	Capacity (kW)	Application	Conn. Size (inch)	Charge	Price \$ Excl. GST
R407C / R22 Refrigerant							
SP0734	SVE-5	R407C R22	18	Med Temp	1/2 x 7/8	C	
SP0737	SVE-8		28	Med Temp	5/8 x 7/8	C	
SP0741	SVE-15		56	Med Temp	7/8 x 1-1/8	C	
R404A / R507 Refrigerant							
SP0774	SSE-4-C	R404A R507	14	Med Temp	1/2 x 7/8	C	
SP0777	SSE-6-C		21	Med Temp	5/8 x 7/8	C	
SP0780	SSE-7-C		25	Med Temp	5/8 x 7/8	C	
SP0786	SSE-10-C		35	Med Temp	5/8 x 7/8	C	
SP0803	SSE-4-Z		14	Low Temp	1/2 x 7/8	Z	
SP0806	SSE-4-ZP		14	Low Temp	1/2 x 7/8	ZP	
SP0809	SSE-6-Z		21	Low Temp	5/8 x 7/8	Z	
SP0812	SSE-6-ZP		21	Low Temp	5/8 x 7/8	ZP	
SP0814	SSE-7-Z		25	Low Temp	5/8 x 7/8	Z	
SP0817	SSE-7-ZP		25	Low Temp	5/8 x 7/8	ZP	
SP0820	SSE-10-Z		35	Low Temp	7/8 x 1-1/8	Z	
SP0823	SSE-10-ZP		35	Low Temp	7/8 x 1-1/8	ZP	

The Type ZP charges have essentially the same characteristics as the Type Z charge with one exception: they produce a pressure limit Maximum Operating Pressure (MOP). ZP charges are not intended as replacements for Z charges. Each should be selected for its own unique purpose.

VALVES - THERMOSTATIC EXPANSION
 SPORLAN O SERIES

SPORLAN O SERIES TX VALVES (Balanced Port)
Features and Benefits

- General purpose valve for commercial refrigeration applications
- Balanced port design offers stable control
- Brass body with silver soldered connections for leakproof, high strength connection.
- Accessible internal construction allows the valve to be disassembled, and the internal parts cleaned and inspected
- Removable thermostatic elements allows field replacement


SPORLAN O SERIES

Stock No.	Model	Refrigerant	Capacity (kW)	Application	Conn. Size (inch)	Charge	Price \$ Excl. GST
R407C / R22 Refrigerant							
SP0756	OVE-20	R407C R22	70	Med Temp	7/8 x 1-3/8	C	
SP0757	OVE-30		105	Med Temp	1-1/8 x 1-3/8	C	
SP0758	OVE-40		140	Med Temp	1-1/8 x 1-3/8	C	
SP0761	OVE-40-CP100		140	Med Temp	1-1/8 x 1-3/8	CP100	
SP0764	OVE-55-CP100		193	Med Temp	1-1/8 x 1-3/8	CP100	
R404A / R507 Refrigerant							
SP0792	OSE-12	R404A R507	42.0	Med Temp	7/8 x 1-3/8	C	
SP0841	OSE-21-Z		74	Low Temp	1-1/8 x 1-3/8	Z	
SP0842	OSE-21-ZP		74	Low Temp	1-1/8 x 1-3/8	ZP	
SP0845	OSE-30-Z		105	Low Temp	1-1/8 x 1-3/8	Z	
SP0846	OSE-30-ZP		105	Low Temp	1-1/8 x 1-3/8	ZP	
SP0849	OSE-35-ZP		123	Low Temp	1-1/8 x 1-3/8	ZP	
SP0851	OSE-45-C		158	Med Temp	1-1/8 x 1-3/8	C	

The Type ZP charges have essentially the same characteristics as the Type Z charge with one exception: they produce a pressure limit Maximum Operating Pressure (MOP). ZP charges are not intended as replacements for Z charges. Each should be selected for its own unique purpose.


SPORLAN S & O SERIES TX VALVE REPLACEMENT ELEMENTS

Stock No.	Model	Refrigerant	Description	Price \$ Excl. GST
SP1202	KT33-VCP100	R407C / R22	Air Con, MOP100. Suits large O Series Valves	
SP1220	KT83-VCP100	R407C / R22	Air Con, MOP100. Suits small O & S Series Valves	
SP1221	KT83-VC	R407C / R22	Air Con. Suits small O & S Series Valves	
SP1224	KT83-SC	R404A	Medium Temp. Suits small O and S Series Valves	
SP1225	KT83-SZ	R404A	Low Temp. Suits small O and S Series Valves	



Many more models and variations are available - just ask your Realcold representative for advice.

C Charge: 10/-23°C Commercial Applications

CP100 Charge: Air Conditioning MOP Charge

Z Charge: -18/-40°C Low Temperature

ZP Charge: -18/-40°C M.O.P. MOP valves are normally used to prevent hunting or compressor overload, or to limit flow at start-up under lightly loaded conditions. Can be used in place of a crankcase pressure regulator (in certain applications).

SPORLAN ACCESSORIES

Stock No.	Model	Description	Price \$ Excl. GST
SP0060	791-001	Cartridge O-Ring	
SP0061	184-002	Allen Wrench	
SP0062	QVT-1	Q Valve Tool	
SP0063	1538-000	Inlet Strainer for all Q Body 3/8" Flare Valves	
SP0064	3427-000	Inlet Strainer for all Q Body 3/8" ODF Valves	



VIBRATION ELIMINATORS

Designed for installation in air conditioning and refrigeration piping to minimise transmission of vibration from the compressor or other parts of the system.

The Packless VAFS line of improved vibration absorbers are electrically welded with no braze joints for improved strength and reliability and designed for use with modern high pressure refrigerants.

All VAFS models are manufactured with stainless steel flexible tubing and stainless steel braids.



Stock No.	Model	Connection Size (inch)	Length (mm)	Max. Working Pressure		Price \$ Excl. GST
				psi	kPa	
VAFS-3	VAFS-3	3/8	210	650	4500	
VAFS-4	VAFS-4	1/2	229	650	4500	
VAFS-5	VAFS-5	5/8	248	650	4500	
VAFS-6	VAFS-6	3/4	267	650	4500	
VAFS-8	VAFS-8	7/8	292	650	4500	
VAFS-9	VAFS-9	1-1/8	330	650	4500	
VAFS-10	VAFS-10	1-3/8	375	650	4500	
VAFS-11	VAFS-11	1-5/8	432	650	4500	
VAFS-12	VAFS-12	2-1/8	508	650	4500	

VIBRATION ELIMINATOR INSTALLATION TIPS.

- Install the unit as close to the compressor as possible, and at right angles to the vibration motion. Anchor the refrigerant piping at the end of the unit furthest away from the vibration source. Allow sufficient space for the unit so that it will not be subject to static compression or tension after brazing it into place. Units should be installed in a straight line; they are not intended to compensate for offset piping.
- If the unit is installed in an area where condensate can accumulate on it, cover the unit with a waterproof barrier to prevent moisture from freezing under the braid and ferrules, causing the unit to rupture. Care should be taken when making the sweat connections - direct the torch flame away from the braid and clean excess flux from the unit.
- For situations of severe vibration, install two units in series at right angles to one another.

ANTI-VIBRATION PADS

ISO Cube is a natural rubber pad, designed to reduce vibration and noise emanating from refrigeration and air conditioning equipment. Circular design of each pad offers a suction cup effect, which eliminates the need to bolt the pad down. Standard pad is divided into eighty one 50 mm segments. These 50 durometer pads will withstand a load of 180 psi per each 50 mm square.

Stock No.	Description	Price \$ Excl. GST
V0265	ISO Cube Anti-Vibration Pad. ISO-18. 450 x 450 x 19 mm	
V0290	ISO Cube Anti-Vibration Single Square. 50 x 50 mm	



Stock No.	Description	Price \$ Excl. GST
V0271	MA-Line Solid Rubber Anti-Vibration Pad 455 x 455 x 5 mm	

VIBRATION ISOLATORS

Stock No.	Model	Description	Price \$ Excl. GST
AC1130	VMCB	Anti Vibration Mounting -40mm strut. Pack of 4	
AC1131	VM3	Anti Vibration Mounting Stand (H)75mm. Pack of 4	



COMPRESSOR LUBRICANTS

POLYOLESTER OIL

Stock No.	Type	Application	Size (Litre)	Price \$ Excl. GST
N0581	Emkarate RL 32MAF	Low / Med Temp	1.0	
N0580			5.0	
N0579			20.0	
N0582	Emkarate RL 68H	Med / High Temp	1.0	
N0583			5.0	
N0598			20.0	
N0584	Emkarate RL 100 H	Automotive / Marine	1.0	



MINERAL OIL

Stock No.	Description	Application	Size (Litre)	Price \$ Excl. GST
N0531	Grade 3 (3GS) Mineral Oil	Low / Med Temp	3.8	
N0535	Grade 3 (3GS) Mineral Oil		18.9	
N0541	Grade 4 (4GS) Mineral Oil	Med / High Temp	3.8	
N0545	Grade 4 (4GS) Mineral Oil		18.9	
N0551	Grade 5 (5GS) Mineral Oil	Automotive / Marine	4.0	



SCREW COMPRESSOR OIL

Stock No.	Type	Description	Size (Litre)	Price \$ Excl. GST
C5862	FC 170	Screw Compressor Oil	19.0	
C5860	FC 300		19.0	

AMMONIA OIL

Stock No.	Type	Application	Size (Litre)	Price \$ Excl. GST
N0560	Suniso 4SA	Ammonia Oil	20.0	

Note: Compressor lubricants are not suitable for vacuum pumps. Safety Data Sheets are available, upon request, for hazardous substances.

OIL CHARGING PUMP

Stock No.	Description	Price \$ Excl. GST
T2052	Oil Charging Pump. Designed to pump oil into the system while the unit is operating without shutting down for charging. Works against 200 psi of pressure and is compatible with all oil types including synthetic, mineral, and polyolester. Pumps 78 ml per stroke.	




BITZER POLYOLESTER LUBRICANTS

Stock No.	Type	Description	Size (Litre)	Price \$ Excl. GST
BZPI06-018	BSE32	Suits Bitzer Reciprocating Compressors	1.0	
BZPI06-015			5.0	
BZPI06-012			20.0	
BZPI06-027	BSE170	Suits Bitzer Screw Compressors	5.0	
BZP91511505			10.0	
BZPI06-028			20.0	
BZPI06-033	BSE60K	Suits Bitzer CO ₂ Compressors	1.0	
BZPI06-039			5.0	
BZPI06-038			10.0	
BZPI06-035	BSE85K		1.0	
BZPI06-036			5.0	
BZPI06-041	BVC-32	Suits Bitzer Scroll	1.0	
BZPI106-042			5.0	


VACUUM PUMP LUBRICANTS

This is a specially selected oil with a low vapour pressure and high stability for sealing.

Stock No.	Type	Description	Size (Litre)	Price \$ Excl. GST
N0105M	Mastercool	Vacuum Pump Oil	0.53	
N0106M			0.95	
N0109M			3.8	


PAG (POLYALKYLENE GLYCOL) OIL

Stock No.	Type	Description	Size (Litre)	Price \$ Excl. GST
N0565	92709-100-8	PAG 100 Oil	236	



OIL SEPARATORS - CONVENTIONAL

Stock No.	Model	Conn. Size (inch)	Nominal Capacity (kW)				Dimensions H x D (mm)	Price \$ Excl. GST
			R404A		R22			
			-5°C	-25°C	-5°C	-25°C		
F0070	NS-1004	1/2	6.7	6.0	6.7	6.0	260 x 102	
F0072	NS-1005	5/8	18.0	15.8	18.6	17.0	362 x 102	
F0074	NS-1007	7/8	28.2	25.0	27.4	25.7	450 x 102	
F0076	NS-3009	1-1/8	36.8	32.7	35.6	33.5	533 x 102	
F0078	NS-3011	1-3/8	46.5	41.8	46.0	42.8	540 x 102	
F0080	NS-3013	1-5/8	63.6	57.5	61.6	58.0	472 x 153	



Note: Nominal capacities shown are based on 38°C condensing temperature with an 18°C suction gas temperature.

REPLACEMENT FLOAT

Stock No.	Model	Description	Price \$ Excl. GST
F0330	A1900-30	Float Assembly suits S-5200 and S1900 series	
F0331	2-023-001	Float Valve Gasket	


OIL RESERVOIR & ACCESSORIES

Stock No.	Model	Description	Price \$ Excl. GST
F0052	S-9130	Adjustable Mechanical Oil Level Regulator with 3/8" M.Fl SAE equalisation connection. 90 psi max. differential.	
F0053	S-9108	Oil Reservoir (4 US gallon capacity) 15 litres. The oil reservoir is the holding vessel for stand-by oil necessary for the operation of the oil control system.	
F0055	S-9109	Oil Reservoir (2 US gallon capacity) 7.5 litres.	
F0057	S-9104	Reservoir Pressure Valve. This valve will maintain a 5 psi positive pressure differential at the oil reservoir over the crankcase pressure ensuring an adequate oil supply to the oil level regulator. 3/8" F.Fl x 3/8" M.Fl connections.	
F0062	S-9104H	High Pressure Reservoir Valve. Some parallel compressor systems have a satellite compressor which maintains a higher suction pressure than the other compressor system. The S-9104H provides a 20 psi positive pressure in the oil reservoir for this application. 3/8" F.Fl x 3/8" M.Fl connections.	
F0058	S-9106H	Horizontal Shut-Off Valve. 3/8" M.Fl x 3/8" F.Fl swivel connection. Horizontal model for use where space is limited.	
F0059	S-9106V	Vertical mount Shut-Off Valve 3/8 M.Fl x 3/8 F.Fl swivel connection. This valve allows each oil level regulator to be isolated if service is required on a compressor.	
F0064	SH9105	Oil Line Strainer. 3/8 M.Fl connections. This strainer protects the oil level regulator by removing foreign matter.	
F0066	S-4005	Oil Filter Drier. 3/8" M.Fl. connections. 6 micron filtration removes foreign material from the oil as it passes through the filter.	



TRAX OIL CONTROL SYSTEMS

Stock No.	Model	Description	Price \$ Excl. GST
F0092A	OM3	TRAX Oil Level Control System. 24V AC Coil & Power supply	
F0092B	OM3-P30	Traxoil Power Cable. 24V AC - 3.0 mtr	
F0092C	OM3-N30	Traxoil Relay Cable. 3.0 mtr	


OIL LEVEL REGULATOR

Stock No.	Model	Description	Price \$ Excl. GST
BZPK04-080	INT280-60	Kriwan INT280-60 Oil Level Regulator	


OIL DIFFERENTIAL PROTECTION CONTROLS - (Oil Failure)

Stock No.	Model	Time Delay (sec)	Reset	Cap. Length (mm)	Press. Range Adj. (psi)	Price \$ Excl. GST
G0096	P30-3601	60	Manual	915	10 - 60	
G0097	P30-3701	90	Manual	915	10 - 80	
G0099	P30-3801	120	Manual	915	10 - 60	

* The P30 Ranco controls are complete with copper capillaries and flare nuts.


SPORLAN OIL FILTERS

Stock No.	Model	Description	Price \$ Excl. GST
SP2600	OF-303	Sporlan OF-303 Oil Filter 3/8" Flare	
SP2601	OF-303-BP	Sporlan OF-303-BP Oil Filter with Bypass 3/8" Flare	


TEMPRITE OIL FILTERS & ACCESSORIES

Stock No.	Description	Price \$ Excl. GST
BZPB36-078	Standard Oil Filter Kit to suit 922/923 & 922R/923R	
BZPB36-080	Standard Oil Filter Kit to suit 924/925 & 924R/925R	
BZPB36-082	Standard Oil Filter Kit to suit 926/927 & 926R/927R	
BZPB36-084	Standard Oil Filter Kit to suit 928 & 928R	
BZPB36-086	Standard Oil Filter Kit to suit 930 & 930R	
BZPB36-201	Top or Bottom gasket (4") for 922-925 & 922R-925R	
BZPB36-202	Top or Bottom gasket (6") for 926-927 & 926R & 927R	
BZPB36-205	O Ring Kit to suit 922/925 & 922R/925R	
BZPB36-088	Pressure differential indicator Model 224	



PVC DRAIN PIPE & FITTINGS

CONDENSATE DRAIN PIPE

Stock No.	Size (mm)	Description	Price \$ Excl. GST
AC1001	15	PVC White Drain Pipe - 3.9m length	
AC1003	20	PVC White Drain Pipe - 3.9m length	
AC1005	25	PVC White Drain Pipe - 3.9m length	
AC1007	32	PVC White Drain Pipe - 3.9m length	



90° ELBOW

Stock No.	Size (mm)	Description	Price \$ Excl. GST
AC1001	15	PVC White Drain Pipe - 3.9m length	
AC1003	20	PVC White Drain Pipe - 3.9m length	
AC1005	25	PVC White Drain Pipe - 3.9m length	
AC1007	32	PVC White Drain Pipe - 3.9m length	



45° ELBOW

Stock No.	Size (mm)	Description	Price \$ Excl. GST
AC1018	15	45° PVC Elbow	
AC1020	20	45° PVC Elbow	
AC1022	25	45° PVC Elbow	
AC1024	32	45° PVC Elbow	



EQUAL TEE

Stock No.	Size (mm)	Description	Price \$ Excl. GST
AC1028	15	PVC Equal Tee	
AC1030	20	PVC Equal Tee	
AC1032	25	PVC Equal Tee	
AC1034	32	PVC Equal Tee	



SOCKET COUPLER

Stock No.	Size (mm)	Description	Price \$ Excl. GST
AC1036	15	PVC Double Ended Socket	
AC1038	20	PVC Double Ended Socket	
AC1040	25	PVC Double Ended Socket	
AC1042	32	PVC Double Ended Socket	



PVC DRAIN PIPE & FITTINGS

REDUCING SOCKET

Stock No.	Size (mm)	Description	Price \$ Excl. GST
AC1044	20 to 15	PVC Reducing Socket	
AC1046	25 to 15	PVC Reducing Socket	
AC1048	25 to 20	PVC Reducing Socket	
AC1049	32 to 25	PVC Reducing Socket	



REDUCING BUSH

Stock No.	Size (mm)	Description	Price \$ Excl. GST
AC1052	20 to 15	PVC Reducing Bush	
AC1054	25 to 15	PVC Reducing Bush	
AC1056	25 to 20	PVC Reducing Bush	



THREADED MALE SOCKET

Stock No.	Size (mm)	Description	Price \$ Excl. GST
AC1060	15	PVC Threaded Socket - Male	
AC1062	20	PVC Threaded Socket - Male	
AC1064	25	PVC Threaded Socket - Male	



THREADED FEMALE SOCKET

Stock No.	Size (mm)	Description	Price \$ Excl. GST
AC1070	15	PVC Threaded Socket - Female	
AC1072	20	PVC Threaded Socket - Female	
AC1074	25	PVC Threaded Socket - Female	



BARREL UNION

Stock No.	Size (mm)	Description	Price \$ Excl. GST
AC1110	15	PVC Barrel Union	
AC1112	20	PVC Barrel Union	
AC1114	25	PVC Barrel Union	
AC1077	32	PVC Barrel Union	



PVC DRAIN PIPE & FITTINGS
PIPE SADDLE - IVORY

Stock No.	Size (mm)	Description	Price \$ Excl. GST
AC1090	15	Pipe Saddle	
AC1092	20	Pipe Saddle	
AC1094	25	Pipe Saddle	
AC1095	32	Pipe Saddle	


PIPE SADDLE - ZINC PLATED

Stock No.	Size (mm)	Description	Price \$ Excl. GST
AC1096	15	Single Sided Clip - Zinc Plated	
AC1098	20	Single Sided Clip - Zinc Plated	


XTRA SURFACE MOUNT CLIPS

Stock No.	Size (mm)	Description	Price \$ Excl. GST
AC1120	15	Surface Mount Clip - Packet of 10	
AC1122	20	Surface Mount Clip - Packet of 10	
AC1124	25	Surface Mount Clip - Packet of 10	


PVC ADHESIVE

Stock No.	Size (ml)	Description	Price \$ Excl. GST
AC1078	125	PVC Pipe Clear Adhesive - Type P	
AC1080	250	PVC Pipe Clear Adhesive - Type P	


CONDENSATE TRAPS & BRUSHES

Stock No.	Description	Price \$ Excl. GST
AC1102	20mm Cleanable Clear J Condensate Trap	
AC1108	Flexible Cleaning Brush	
AC1150	Vision Trap Drain - (P Trap)	


DEFROST HEATER TAPE

Stock No.	Model	Description	Price \$ Excl. GST
N0626	FST25	Self Regulating Heat Tape, 25 watts per metre at 10°C, 230V. Minimum installation temperature -40°C	
N0635		Seal Kit FCT BTV-2	



N0626 can be used in evaporator drains, provided correct termination kits are fitted.

REFRIGERANTS

Stock No.	Refrigerant	Type	GWP	Description	Size (Kg)	Price \$ Excl. GST
L0100	R134a	HFC	1430	R134a Disposable Cylinder	13.6	
L0141	R404A	HFC	3922	R404A Disposable Cylinder	10.9	
L0145	R507	HFC	3985	R507 Disposable Cylinder	11.3	
L0157	R407C	HFC	1774	R407C Disposable Cylinder	11.3	
L0161	R410A	HFC	2088	R410A Disposable Cylinder	11.3	
L0167	R407F	HFC	1825	R407F Disposable Cylinder	11.3	
R32-3KG	R32	HFC	675	R32 Disposable Cylinder	3.0	
L0169	R449A	HFO	1397	R449A Disposable Cylinder	11.35	
L0173	R513A	HFO	631	R513A Disposable Cylinder	13.6	



Note: Please refer to www.realcold.co.nz to download a copy of the SDS sheet/s.

REFRIGERANT LEVY

Stock No.	Description	Size	Price \$ Excl. GST
LEVYT	Training Levy for all refrigerants	per Kg	
LEVY2	Levy for all Synthetic Refrigerants	per Kg	
LEVYHFO	Levy for all HFO refrigerants	per Kg	
LEVY32	Levy for R32 Refrigerant	per Kg	

RECOVERY CYLINDERS

Stock No.	Description	Size (Kg)	Price \$ Excl. GST
T2490M	10 Kg recovery cylinder	10	
T2491M	20 Kg recovery cylinder	20	
T2493	11 Kg recovery cylinder for R32 / R1234yf	11	
T2494M	57 Kg recovery cylinder	57	



REFRIGERANT CYLINDER DUAL PORT VALVE

Stock No.	Model	Description	Price \$ Excl. GST
T2495M	62010-022X	Dual port recovery cylinder valve	



CYLINDER ADAPTORS

Stock No.	Description	Price \$ Excl. GST
J0539	Cylinder Adaptor - 1/4" M.Fl x 3/4" FBSP	
J0540	Cylinder Adaptor - 3/8" M.Fl x 3/4" FBSP	
J0542	Cylinder Adaptor - 5/16" M.Fl x 3/4" FBSP, Left Hand Thread. (R32)	
J0539C	3/4" FBSP Cap	



COUPLERS & ADAPTORS
COUPLERS

Stock No.	Model	Description	Price \$ Excl. GST
Air Conditioning (R410A) Couplers			
T2711M	90413	R410A Adapter - 5/16" F.Fl swivel female nut x 1/4" M.Fl	
T2712M	90366	R410A Adapter - 1/4" F.Fl x 5/16" M.Fl	
Automotive (R134a) Couplers			
T2307M	82834-E	Service coupler High Side R134a manual 1/4" FL-M x 16 mm - Red	
T2308M	82934-E	Service coupler Low Side R134a manual 1/4" FL-M x 13 mm - Blue	
Automotive (R1234yf) Couplers			
T2305	83834	Service coupler High Side R1234yf - 12mm-F x 17mm - Red	
T2306	83934	Service coupler Low Side R1234yf - 12mm.F x 14mm - Blue	
Imperial Kwik - Couplers			
T0092	16C	Kwik-Coupler - 1/4" Female x 1/4" Male. Straight Coupler	
T0093	17C	Kwik-Coupler - 1/4" Female x 1/4" Male. 90° Elbow Coupler	
T0095	26C	Kwik-Coupler - 5/16" Female x 5/16" Male. Straight Coupler	
T0097	27C	Kwik-Coupler - 5/16" Female x 5/16" Male. 90° Elbow Coupler	
T0093A	65155 & 65153	Gasket Set for Kwik-Couplers	


Components
CONTROL VALVES

Stock No.	Model	Description	Price \$ Excl. GST
T2715M	90328	1/4" Female Flare x 1/4" Male Flare Control Valve	
T2717M	90328-5/16	5/16" Female Flare x 5/16" Male Flare Control Valve	


MANUAL SHUT-OFF BALL VALVES

Stock No.	Model	Description	Price \$ Excl. GST
T4303M	90430	1/4" Female Flare x 1/4" Male Flare Manual Shut-off Valve	
T4304M	90433	5/16" Female Flare x 5/16" Male Flare Manual Shut-off Valve	
T0318	CH-15BV-SHA	1/4" Male Flare x 1/4" Male Flare Manual Shut-off Valve	


SCHRADER VALVE CORE REMOVERS

Stock No.	Model	Description	Price \$ Excl. GST
T4050M	91490	Standard Schrader Valve Core Remover/Installer	
T2290M	91496	Standard Schrader Valve Core Remover Tool - with access port	
T4060M	91498	Universal Schrader Valve Core Remover/Installer Kit - suitable for multiple refrigerants including R410A	





2 STAGE VACUUM PUMPS

A good quality vacuum pump is an integral tool for complete HVAC&R service. Mastercool vacuum pumps are durable and time tested. They stand up to the most gruelling conditions and will provide years of reliable service. Mastercool offers a complete selection of pumps. Regardless of your service requirements, Mastercool has a model for your application.

VACUUM PUMP - 71 L/min (3.0 CFM)

Stock No.	Model	Description	Weight (Kg)	Price \$ Excl. GST
T2405	90063-2V-220B-SV	Lightweight reliable 2 Stage vacuum pump. Solenoid valve to protect the refrigeration system from oil contamination during power outage. 1/3 HP motor. 71 L/min.	7.4	



VACUUM PUMP - 119 L/min (5.0 CFM)

Stock No.	Model	Description	Weight (Kg)	Price \$ Excl. GST
T2401M	90065-220-AUS - SV	2 Stage vacuum pump. Solenoid valve to protect the refrigeration system from oil contamination during power outage. 1/3 HP motor. 119 L/min.	13.2	



VACUUM PUMP - 142 L/min (6.0 CFM) R32 COMPATIBLE

Stock No.	Model	Description	Weight (Kg)	Price \$ Excl. GST
T2408	90066-B-SF-220	2 Stage Spark Free vacuum pump. 1/2 HP motor. 142 L/min. R32 compatible	11.0	



VACUUM PUMP - 189 L/min (8.0 CFM)

Stock No.	Model	Description	Weight (Kg)	Price \$ Excl. GST
T2406	90068-2V-220B-SV	2 Stage vacuum pump. Solenoid valve to protect the refrigeration system from oil contamination during power outage. 3/4 HP motor. 189 L/min.	15.8	



VACUUM PUMP LUBRICANTS

This is a specially selected oil with a low vapour pressure and high stability for sealing.

Stock No.	Type	Description	Size	Price \$ Excl. GST
N0105M	Mastercool	Vacuum Pump Oil	531 ml	
N0106M			946 ml	
N0109M			3.79 L	





VACUUM PUMP SOLENOID VALVE & GAUGE ASSEMBLY

- Mastercool's universal solenoid valve and gauge assembly can be assembled on any vacuum pump
- Protects pump and systems with full control by solenoid valve
- Gauge assembly will also allow for vacuum leak test

Stock No.	Model	Description	Price \$ Excl. GST
T2404M	90066-SV-220	Universal Solenoid Valve and Gauge Assembly 3/8" NPT Vacuum Port. 1/4" Flare Hose Port. Easily connects to vac-pump (some basic wiring needed)	



FORGED INTAKE VALVE ASSEMBLY

Stock No.	Model	Description	Price \$ Excl. GST
T2418	90056-18-R	Forged Intake Valve Assembly for Vacuum Pump	



DIGITAL VACUUM GAUGE

Stock No.	Model	Description	Price \$ Excl. GST
T2435M	98061	Digital Vacuum Gauge. Range 20,000 to 1 Micron. Sensor: Thermocouple sensor. Cable 2.6 mtr. Operating Temp 0 - 45°C	
T2437M	98061 - Sensor	Replacement Sensor	



MECHANICAL VACUUM GAUGE

Stock No.	Model	Description	Price \$ Excl. GST
T2239	RG-80V	80mm Mechanical Vacuum Gauge with pointer. 1000 to 0 mbar.	




TUBE CUTTERS

Stock No.	Model	Size (inch)	Description	Price \$ Excl. GST
T4025M	70027	1/8 to 5/8	Mini tube cutter	
T2011M	72029	1/8 to 1-1/8	Mini tube cutter	
T4021M	72035	1/4 to 1-1/2	Heavy duty tube cutter	
T2008M	70038	1-1/4 to 3	Heavy duty tube cutter	


TUBE CUTTER SPARE WHEELS

Stock No.	Model	Description	Price \$ Excl. GST
T4022M	70028	Cutting wheel for 70027	
T4023M	72030	Cutting wheel for 72029	
T4024M	72034	Cutting wheel for 70035	
T4026M	70138	Cutting wheel for 70038	


DEBURRER & REAMING TOOLS

Stock No.	Model	Description	Price \$ Excl. GST
T2089M	71685	Pencil type reamer - metal. Includes one spare tungsten blade.	
T2091M	71686-2	Spare blades for 71685 Pencil reamer (2 pieces)	
T2090M	70085	Inner/Outer Reamer for 3/16" to 1-1/2' tubing	


FLARING & SWAGING KITS

Stock No.	Model	Size (inch)	Description	Price \$ Excl. GST
T4010M	70053	1/8 to 3/4	45° Flaring and Swaging Kit (275)	
T0981	87001	1/4 to 3/4	Pro-fit Flaring Kit - 5 pieces 1/4" hex shank bits	
T0982	87011	1/4 to 7/8	Pro-fit Swaging Kit - 6 pieces 1/4" hex shank bits	


FLARING & SWAGING TOOLS

Stock No.	Model	Size (inch)	Description	Price \$ Excl. GST
T0742	CH-806A	1/4 to 3/4	Eccentric cone type flaring tool	
T2020M	70051	3/16 to 5/8	Standard 45° Flaring Tool	
T2026M	70057-A	1/4 to 3/4	Eccentric Flaring Tool - aluminium design	
T4000M	70048	1/4 to 5/8	Set of 5 swaging punches	



TUBE EXPANDER TOOLS

Stock No.	Model	Size (inch)	Description	Price \$ Excl. GST
T2035M	71600	3/8 to 1-1/8	Hydra Swage tube expander kit	
T2038M	71600-11	1-3/8	Expander head	
T2039M	71600-13	1-5/8	Expander head	
T2037M	71600-17	2-1/8	Expander head	


TUBE BENDERS - LEVER TYPE

Stock No.	Model	Size (inch)	Description	Price \$ Excl. GST
T0701	CH-364-04-1/4	1/4	Lever Type Tube Bender	
T0703	CH-364-06-3/8	3/8	Lever Type Tube Bender	
T0704	CH-364-08-1/2	1/2	Lever Type Tube Bender	
T0705	CH-364A-10-5/8	5/8	Lever Type Tube Bender	
T0706	CH-364-12-3/4	3/4	Lever Type Tube Bender	
T0710	CH-367	1/4 to 3/8	3 in 1 Lever Tube Bender	


TUBE BENDERS - RATCHET STYLE

Stock No.	Model	Size (inch)	Description	Price \$ Excl. GST
T2070M	70070	3/8 to 7/8	Ratchet Style Tube Bender Kit	


BENDING SPRINGS

Stock No.	Model	Size (inch)	Description	Price \$ Excl. GST
T0001	CH-102-04	1/4	Tube Bending Spring	
T0006	CH-102-05	5/16	Tube Bending Spring	
T0002	CH-102-06	3/8	Tube Bending Spring	
T0003	CH-102-08	1/2	Tube Bending Spring	
T0004	CH-102-10	5/8	Tube Bending Spring	
T0005	CH-102-12	3/4	Tube Bending Spring	


INTERNAL COPPER TUBE BENDER

Stock No.	Model	Size (inch)	Description	Price \$ Excl. GST
T4323	EVOPBEND 3/8	3/8	Internal Copper Polybender - 3m length	
T4324	EVOPBEND 1/2	1/2	Internal Copper Polybender - 3m length	
T4325	EVOPBEND 5/8	5/8	Internal Copper Polybender - 3m length	
T4326	PB34	3/4	Internal Copper Polybender - 3m length	



RATCHET WRENCHES

Stock No.	Model	Description	Price \$ Excl. GST
T2046M	70082	Ratchet wrench 1/4", 3/8", 3/16" & 5/16" square ratchet	
T2049M	70081	Ratchet wrench - steel forged with reversible ratchet - 9/16", 1/2" hex, 1/4" and 3/16" square.	


PINCH OFF TOOL

Stock No.	Model	Size	Description	Price \$ Excl. GST
T4001M	70083	7" Throat	Pinch-off Plier	


PVC PIPE CUTTER

Stock No.	Model	Size	Description	Price \$ Excl. GST
T0729	CH-42	up to 42mm	PVC Pipe Cutter	


FIN COMBS

Stock No.	Model	Description	Price \$ Excl. GST
T0255	T-100	Interchangeable Multi-Head Fin Tool - 8 thru 14 fpi	
T0256	T-8	Head to suit T-100 - 8 fins per inch - Orange	
T0258	T-10	Head to suit T-100 - 10 fins per inch - White	
T0257	T-12	Head to suit T-100 - 12 fins per inch - Green	
T0791	CH-352	Stainless Steel Fin Comb	


INSPECTION MIRROR

Stock No.	Model	Size	Description	Price \$ Excl. GST
T1016	MA-143A	32mm	Round Inspection Mirror	



BRAZING HAND TORCH

Stock No.	Model	Description	Price \$ Excl. GST
N6007	HTS99	Auto-Igniting Brazing Torch <ul style="list-style-type: none"> Adjustable flame control Swirl tip swivels 360° Piezo igniter for instant flame Heavy duty 	



GAS CARTRIDGES

Stock No.	Description	Size	Price \$ Excl. GST
N6050	Disposable "MAPP" Gas Canister	400 gm	
N6011	Disposable Oxygen Cylinder	950 ml	



Some helpful hints on using your Bernzomatic:

Notes:

Use only in well ventilated areas

Do not adjust the flame so low that the steel burner tip becomes red hot or damage to the tip may result.

Q. Why does my torch head break at the air holes?

A. In order to ensure that the cylinder does not break or explode if the torch is accidentally dropped or abused, BernzOmatic torches are designed to break safely at the air holes.

Q. Why will my torch not stay lit when tipped upside down?

A. When a non regulated brass torch is tipped upside down, the liquid propane in the torch works its way through the torch and blows out the flame.

Q. Why in cold weather do I only get a small flame out of my torch?

A. The size of the torch flame varies with the pressure in the gas cylinder. When it is very cold there is only a small amount of gas pressure in the cylinder.

Q. Why is my torch hard to light?

A. Most torches light better when the valve is just cracked open, and there is a small gas flow.

LEAK DETECTION



LEAK DETECTION

Stock No.	Model	Description	Price \$ Excl. GST
T2340	55800	The Intellasense Refrigerant leak detector detects combustible gases, hydrogen and all HFC's & HCFC's and blends including R1234yf and R32. Sensitivity down to 1.5 grams (0.05 oz) / year.	
T4210M	56100	The Raptor Refrigerant leak detector offers state-of-the-art features and micro-processing technology. Digital Signal Micro Processor. Visual Leak Level Indicator. Detects all HFC & HCFC refrigerants. Detects leaks as small as 3 grams (0.1 oz) / year	
T2341	55744	Electronic leak detector for R744 (CO ₂). High sensitivity for detecting even the most difficult to find leaks.	



LIQUID LEAK DETECTION

Stock No.	Description	Size (Litre)	Price \$ Excl. GST
T0440	Cal Blue Plus Leak Detector - with spray applicator	0.95 L	
T0442	Cal Blue Plus Leak Detector	3.8 L	



NITROGEN PRESSURE REGULATOR

Stock No.	Model	Description	Price \$ Excl. GST
T2150	53004	Nitrogen Pressure Regulator with 63mm gauges with guards. <ul style="list-style-type: none"> • High pressure gauge 4400 psig (300 bar) • Low pressure gauge 1000 psig (70 bar) 	



LEAK TESTING ADAPTOR

Stock No.	Model	Description	Price \$ Excl. GST
T2155M	53042	Leak Testing Adaptor with 80mm gauge	



Components



RECOVERY UNITS

MASTERCOOL 69300 TWIN TURBO REFRIGERANT RECOVERY SYSTEM

Features & Benefits

- Revolutionary double piston oil-less compressor
- Safety high pressure switch
- Simple internal structure for field service
- Large fan and condenser keeps the unit running cooler & speeds up the recovery process
- For use with all HFC & HCFC refrigerants including R410A
- Injection molded high density polyethylene case for maximum durability
- Front cover has bumper guards built in to reduce damage to the control knobs
- R32 Compatible



Stock No.	Model	Description	Price \$ Excl. GST
T2380M	69300-220	TWIN TURBO Refrigerant Recovery Unit. 1/2 HP oil less compressor Suitable for HFC and HCFC refrigerants Vapour recovery @ 0.31 Kg/min Liquid recovery @ 3.5 Kg/min Push / Pull @ 9.1 Kg/min Weight: 12.8 Kg	

MASTERCOOL 69400 MINI TWIN TURBO REFRIGERANT RECOVERY SYSTEM

Features & Benefits

- Revolutionary double piston oil-less compressor
- Simple internal structure for field service
- For use with all HFC and HCFC's and Combustible gases including R32
- Injection molded high density polyethylene case for maximum durability



Stock No.	Model	Description	Price \$ Excl. GST
T2390	69400-220	MINI TWIN TURBO Refrigerant Recovery Unit. 1/2 HP oil less compressor Suitable for HFC and HCFC's and Combustible gases including R32. Weight: 11 Kg	

RECOVERY CYLINDERS

Stock No.	Model	Description	Price \$ Excl. GST
T2490M	62010	10 Kg Recovery cylinder	
T2491M	63010	20 Kg Recovery cylinder	
T2493M	RC11-R32	11.4 Kg Recovery cylinder (R32 /R1234yf)	
T2494M	RC57	57 Kg Recovery cylinder	



REFRIGERANT CYLINDER DUAL PORT VALVE

Stock No.	Model	Description	Price \$ Excl. GST
T2495M	62010-022X	Dual port recovery cylinder valve	





ELECTRONIC SCALES

Stock No.	Model	Description	Price \$ Excl. GST
T2370M	98211-A	Accu-Charge III - Refrigerant Charging Scale with a solenoid. Charge programming. Tank capacity is programmable. Capacity: 110 Kg.	
T2100M	98230	Charging Solenoid Module - The 98230 Charging Solenoid Module turns the 98211-A Accu-Charge III into Automatic Programmable Scales.	
T2371M	98315	Wireless refrigerant Charging Scale with Solenoid. Magnet on remote allows easy placement on fixtures. Charge programming. Tank capacity is programmable. Capacity: 110 Kg.	
T2369	98209	Electronic Refrigerant Scale. Slim design for easy storage. Two Keys for Easy Operation. Capacity: 5 Kg.	





INFRARED LASER THERMOMETER

Stock No.	Model	Description	Price \$ Excl. GST
T2442M	52224 - C	Digital Infrared Gun Style Thermometer with dual laser spot. 12:1 cone of view. Emissivity: 0.95. Range: -60°C to 550°C.	



THERMOMETERS

Stock No.	Model	Description	Price \$ Excl. GST
T2170M	52228	Dual Probe Thermometer. Max Hold Function. Data Hold Function. T1 - T2 differential. Includes two Type K thermocouples. Range -50°C to +1300°C	
T2440M	52229	Hand Held Waterproof Thermometer. Maximum / Minimum temperature memory. High / Low temperature alarm setting. Range -50°C to +300°C	



SMART PROBES

Stock No.	Model	Description	Price \$ Excl. GST
T2172M	52332	Thermocouple Probe. 3 m length.	
T2171M	52336	Clamp-on Temperature Probe. 1m length.	



REFRACTOMETERS

Stock No.	Model	Description	Price \$ Excl. GST
T1032	MA-REF401C	Glycol Refractometer. Precision optical instrument designed to measure the freezing point of ethylene or propylene based cooling systems. The two Celsius non-linear scales cover -50°C to 0°C for ethylene glycol and propylene glycol. Resolution 0°C	



Components

MANIFOLD GAUGE SETS
2-WAY ALUMINIUM MANIFOLD SETS (Excludes Hoses)

Stock No.	Model	Description	Refrigerants	Scale	Price \$ Excl. GST
T2182M	93103-E	2-Way Aluminium Manifold - 63 mm Gauges	R410A, R22, R404A	Bar / PSI / °C	
T4115	93103-EB1	2-Way Aluminium Manifold - 80 mm Gauges	R32, R410A, R407C	Bar / PSI / °C	


4-WAY ALUMINIUM MANIFOLD SETS (Excludes Hoses)

Stock No.	Model	Description	Refrigerants	Scale	Price \$ Excl. GST
T4110M	96203-MB	4-Way Ball Valve Manifold - 80 mm Gauges	R134a, R407C, R22, R507, R404A	Bar / °C	
T4111M	96203-EB	4-Way Ball Valve Manifold - 80 mm Gauges	R407C, R22, R410A	Bar / PSI / °C	


2-WAY DIGITAL MANIFOLD SET (Includes Hoses)

Stock No.	Model	Description	Refrigerants	Scale	Price \$ Excl. GST
T2191M	99661-A	Digital 2-Way Manifold Kit c/w 3 x 150 cm hoses, vacuum sensor with cable & clamp-on thermocouple. All in a protective carry case.	60+ refrigerants	Bar / PSI, / °C, / Mpa / Kg-cm ²	1,080.00


4-WAY DIGITAL MANIFOLD SET (Includes Hoses)

Stock No.	Model	Description	Refrigerants	Scale	Price \$ Excl. GST
T2192M	99961-EU	Digital 4-Way Manifold Kit c/w 3 x 150 cm ball valve hoses with manual shut-off valves, one black vacuum hose, vacuum sensor with cable, clamp-on thermocouple, data logger software and USB cable. All in a protective carry case.	60+ refrigerants	Bar / PSI, / °C, / Mpa / Kg-cm ²	


2-WAY R744 (CO₂) MANIFOLD SET (Includes Braided Hoses)

Stock No.	Model	Description	Refrigerants	Scale	Price \$ Excl. GST
T4120	55661	2-Way Piston Valve Manifold - c/w oil filled, class 1.0, 70mm gauges, 3 x 150cm stainless steel braided hoses.	R744	PSI / Mpa	

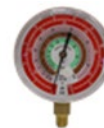

SINGLE VALVE MANIFOLD SET (Excludes Hoses)

Stock No.	Model	Description	Refrigerants	Scale	Price \$ Excl. GST
T2200M	92103-EL	Single Valve Manifold - 63mm Gauge	R404A, R507, R22, R410A	Bar / PSI / °C	



GAUGES - 80mm ANTI-FLUTTER

Stock No.	Model	Refrigerant	Description	Size (mm)	Scale	Price \$ Excl. GST
High Pressure Gauges						
T2217M	EBH	R410A, R407C, R22	HP Gauge	80	Bar & psi, °C	
T4320M	MBH	R134a, R404A, R407C, R22	HP Gauge	80	Bar / °C	
T2218M	MRBH	R134a, R404A, R22	HP Gauge	80	Bar & psi, °C	
T2221M	EBH1	R32, R410A, R407C, R22	HP Gauge	80	Bar & psi, °C	
Low Pressure Gauges						
T2229M	EBL	R410A, R407C, R22	LP Gauge	80	Bar & psi, °C	
T4321M	MBL	R134a, R404A, R407C, R22	LP Gauge	80	Bar / °C	
T2219M	MRBL	R134a, R404A, R22	LP Gauge	80	Bar / °C	
T2220M	EBL1	R32, R410A, R407C, R22	LP Gauge	80	Bar & psi, °C	


GAUGES - 63mm ANTI-FLUTTER

Stock No.	Model	Refrigerant	Description	Size (mm)	Scale	Price \$ Excl. GST
High Pressure Gauges						
T2320M	EH	R410A, R507, R404A, R22	HP Gauge	63	Bar & psi, °C	
T2222M	MRH	R134a, R404A, R22	HP Gauge	63	Bar & psi, °C	
Low Pressure Gauges						
T2210M	MRL	R134a, R404A, R22	LP Gauge	63	Bar & psi, °C	
T2211M	EL	R410A, R507, R404A, R22	LP Gauge	63	Bar & psi, °C	


GAUGES - 70mm OIL FILLED - R744 (CO₂)

Stock No.	Model	Refrigerant	Description	Size (mm)	Scale	Price \$ Excl. GST
High Pressure Gauge						
T2224M	55102-2400	R744	HP Gauge	70	psi / Mpa	
Low Pressure Gauge						
T2225M	55102-1400	R744	LP Gauge	70	psi / MPa	


GAUGE ACCESSORIES

Stock No.	Model	Description	Price \$ Excl. GST
T2233M	91553-E	Gauge Protection Set - 80 mm (Red & Blue)	
T2234M	93553-E	Gauge Protection Set - 63 mm (Red & Blue)	
T2235M	85253-E	Replacement Lens for GGE - 63 mm	
T2236M	98251-E	Replacement Lens for GGE - 80 mm	



CHARGING HOSES - INDIVIDUAL

Stock No.	Model	Colour	Length (cm)	Description	Price \$ Excl. GST
T2242M	47361	Blue	90	1/4" x 1/4" Charging Hose	
T2244M	47362	Yellow			
T2240M	47363	Red			
T2248M	47601	Blue	150		
T2247M	47602	Yellow			
T2246M	47603	Red			
T2254M	47721	Blue	180		
T2250M	47722	Yellow			
T2252M	47723	Red			
T2311M	49361-JT	Blue	90		5/16" x 1/4" Charging Hose R410A
T2310M	49363-JT	Red			
T2312M	49601-JT	Blue	150		
T2314M	49603-JT	Red			
T2279M	55601	S.S.	150	Stainless Steel Braided Hose for CO ₂ (individual hose)	


CHARGING HOSES - INDIVIDUAL WITH MANUAL SHUT-OFF VALVE

Stock No.	Model	Colour	Length (cm)	Description	Price \$ Excl. GST
T2242	90263-60	Blue	150	1/4" Charging Hose with manual shut-off valve	
T2244	90264-60	Yellow			
T2240	90265-60	Red			


VACUUM HOSES

Stock No.	Model	Colour	Length (cm)	Fittings	Price \$ Excl. GST
T2262M	94136	Black	90	3/8" Vacuum Hose	
T2259M	94160		150		
T2266M	94172		180		


CHARGING HOSE SET

Stock No.	Model	Colour	Length (cm)	Description	Price \$ Excl. GST
T2276M	46336	Set of 3	90	1/4" Hose Set with Auto shut-off valve	
T2280M	46372		180		



CHARGING HOSE GASKETS & ACCESSORIES

Stock No.	Description	Price \$ Excl. GST
T0071	Gasket to suit 5/16" hoses (R410A)	
T0072	Gasket to suit 1/4" hoses	
T2601M	Core depressor - 1/4"	
T2602	Gasket to suit 3/8" hose	
T2603	Gasket for 14mm Coupler Adapter	
T4229M	3/8" Vacuum Hose Gasket	



COOLROOM / FREEZER QUICK SELECTION GUIDE

Outside Dimensions L X W 2.4m Height	COOLROOM +2°C Room Temp / 35°C Ambient				FREEZER ROOM -18°C Room Temp / 35°C Ambient			
	Int Volume m ³	Product Load Kg / 24hrs	Room Usage	16/24 hr Watts	Int Volume m ³	Product Load Kg / 24hrs	Room Usage	18/24 hr Watts
1.8 x 1.2	4.0	80	Medium	1200	2.8	60	Medium	1100
			Heavy	1600			Heavy	1350
1.8 x 1.8	6.3	140	Medium	1450	4.7	100	Medium	1150
			Heavy	2000			Heavy	1650
2.4 x 1.8	8.6	180	Medium	1650	6.6	140	Medium	1300
			Heavy	2250			Heavy	1850
2.4 x 2.4	11.8	250	Medium	2100	9.3	190	Medium	1450
			Heavy	2750			Heavy	2350
3.0 x 2.4	14.9	320	Medium	2400	11.9	250	Medium	1900
			Heavy	3150			Heavy	2600
3.0 x 3.0	18.9	400	Medium	2750	15.3	320	Medium	2100
			Heavy	3550			Heavy	2950
3.6 x 2.4	18.0	380	Medium	2700	14.6	310	Medium	2050
			Heavy	3500			Heavy	2850
3.6 x 3.0	22.9	480	Medium	3050	18.7	390	Medium	2350
			Heavy	4000			Heavy	3300
3.6 x 3.6	27.7	580	Medium	3400	22.9	480	Medium	2550
			Heavy	4600			Heavy	3550
4.8 x 3.6	37.3	780	Medium	4150	31.2	660	Medium	3350
			Heavy	5350			Heavy	4500
4.8 x 4.8	50.3	1050	Medium	5150	44.5	890	Medium	3550
			Heavy	6500			Heavy	5050
Notes	<ul style="list-style-type: none"> Internal Volume Based on 75 mm insulation with concrete floor Allow an Additional 500W Per Glass Door Insert 				<ul style="list-style-type: none"> Internal Volume Based on 150 mm insulation including floor Allow an Additional 600W Per Glass Door Insert 			

Capacities Based On The Following:

- Product entering 8 deg above room temperature (Pre-frozen product only entering freezers)
- Off-Cycle 'Air Defrost' for Coolrooms / 80mins per 24hrs total 'Electric Defrost' for Freezers.

Equipment Selection Notes

- Select unit to best match required room capacity at most relevant evaporating and air-on ambient temperature.
 - 32°C & 35°C ambient rated capacity selection will be sufficient for most applications with good unit ventilation.
 - Use 40°C rated capacity selection for constant extreme ambient locations or where ventilation is poor.
 - For 36°C ambient ratings add 32 & 40°C ratings and divide by two.
 - Select Evaporator to match unit capacity at 32°C. Matching at 40°C unit capacity will mean the evaporator will be under-sized for most of the year - This may result in low room RH and drying out of sensitive products.
 - Select evaporator with 20 - 25% more capacity for high humidity applications
 - Select evaporator with 30 - 35% less capacity for Low humidity applications.
 - Select Expansion valve and orifice to match unit capacity at desired evaporating temperature.
 - Use expansion valve with MOP function for low temp condensing unit applications (Not with CPR valve)
 - Use expansion valves that can operate at low superheat for high RH applications
- PLEASE CONTACT REALCOLD FOR ASSISTANCE WITH SELECTION OR IF YOU REQUIRE A QUOTATION.



PRESSURE TEMPERATURE CHART

Temp °C	Pressure kPa										Temp °C
	R449A		R32	R134A	R407C	R507	R404A	R410A	R407F		
	Bubble	Dew							Bubble	Dew	
-40	33	2	77	102	3	37	30	74	35	0	-40
-38	45	12	94	90	14	52	43	92	48	10	-38
-36	59	23	112	75	25	68	59	112	62	21	-36
-34	73	35	131	68	37	76	66	122	77	33	-34
-32	88	47	152	52	50	93	83	144	92	46	-32
-30	105	61	173	34	63	112	101	168	109	60	-30
-28	122	76	197	16	78	132	120	194	127	75	-28
-26	141	91	222	3	93	153	141	221	147	91	-26
-24	161	108	248	8	110	164	152	235	167	108	-24
-22	182	126	276	19	128	188	174	265	189	127	-22
-20	204	145	306	32	147	213	199	298	212	146	-20
-18	228	165	337	45	168	240	225	332	237	167	-18
-16	253	187	371	59	189	268	252	369	262	189	-16
-14	280	210	406	66	212	283	267	388	290	213	-14
-12	308	235	443	82	236	315	297	429	319	238	-12
-10	338	260	483	99	262	348	330	472	350	264	-10
-8	369	288	524	117	289	383	363	516	382	293	-8
-6	402	317	568	137	318	421	400	565	416	322	-6
-4	437	348	614	147	348	440	419	590	452	354	-4
-2	473	380	662	169	380	480	458	642	490	387	-2
0	512	414	713	192	414	523	499	697	529	422	0
2	552	451	767	216	449	567	543	755	571	459	2
4	594	489	823	241	487	615	589	816	614	498	4
6	639	529	881	255	526	639	612	848	660	539	6
8	685	571	943	283	568	690	662	914	708	582	8
10	734	615	1007	313	611	744	714	983	758	628	10
12	784	661	1074	345	656	801	781	1060	810	675	12
14	838	710	1145	379	704	860	839	1137	865	725	14
16	893	760	1218	396	754	891	869	1177	922	777	16
18	951	814	1295	432	805	954	931	1260	982	832	18
20	1011	870	1375	470	860	1020	996	1347	1044	889	20
22	1074	928	1458	511	917	1090	1064	1437	1109	949	22
24	1139	989	1545	553	976	1162	1135	1532	1176	1011	24
26	1207	1052	1635	575	1038	1200	1171	1581	1247	1077	26
28	1277	1118	1730	621	1102	1278	1248	1682	1320	1145	28
30	1351	1187	1828	669	1169	1359	1327	1788	1396	1216	30
32	1427	1259	1929	719	1239	1443	1410	1899	1475	1290	32
34	4506	1334	2035	772	1311	1531	1496	2014	1557	1368	34
36	1588	1412	2145	799	1387	1577	1540	2073	1642	1448	36
38	1673	1493	2260	856	1465	1671	1633	2196	1730	1532	38
40	1760	1577	2378	915	1546	1769	1728	2324	1821	1619	40
42	1851	1664	2501	977	1630	1870	1828	2458	1916	1710	42
44	1945	1756	2629	1042	1717	1976	1931	2597	2015	1805	44
46	2043	1849	2762	1076	1808	2031	1985	2668	2117	1903	46
48	2143	1946	2899	1145	1901	2143	2095	2816	2222	2005	48
50	2247	2047	3041	1217	1998	2260	2209	2970	2331	2111	50
52	2354	2151	3189	1292	2098	2382	2328	3129	2444	2222	52
54	2465	2259	3342	1370	2202	2508	2452	3295	2561	2336	54
56	2579	2371	3500	1411	2308	2573	2516	3381	2681	2455	56
58	2697	2487	3663	1494	2419	2708	2647	3557	2806	2579	58
60	2818	2606	3833	1580	2533	2848	2784	3741	2935	2707	60

TERMS AND CONDITIONS OF SALE

1. General

Any order accepted by Realcold ("the Company") whether or not it is based on any quotation or tender given by the Company is to be deemed to incorporate these terms and conditions. No variation or modification of, or substitution for, these terms and conditions (even if included in, or referred to in, the document placing the order) shall be binding on the Company, unless specifically accepted by the Company in writing.

2. Prices

Unless otherwise agreed in writing by the Company, the Company reserves the right to vary the price quoted for the goods in order to conform with the Company's prices for such goods ruling at the date of despatch, or to take account of any increase in wages, salaries, or cost of materials, between the date of the order and the date of delivery. This includes increases in prices of imported goods due to increased freight rates, taxes, import duty, or other government charges, and/or insurance rates including war risk, or of any variation in rates of exchange. Unless specifically agreed between us, all quoted prices are on a basis of delivery ex our specified warehouse.

3. Acceptance

Quotations are subject to acceptance within 30 days, after which they shall be deemed to have lapsed. The Company will do all in its power to see that deliveries are maintained according to schedule, but cannot accept responsibility for delays due to causes beyond its control.

4. Insurance

Insurance will not be affected by us on goods forwarded from our premises unless we have received written instructions to do so. Risk and the control of the goods shall pass to you the purchaser as soon as they have left our premises to the place nominated by you or to your premises or, if they are collected by you from our premises, then risk shall pass at the time of collection.

5. Storage

Should the Company not receive forwarding instructions sufficient to enable us to dispatch the goods on your behalf within a period of 7 days after the date of notification that they are ready for dispatch, you shall take delivery or arrange for storage of those goods. If you do not take delivery or arrange for storage the Company shall be entitled to arrange storage either at our works or elsewhere on your behalf and all charges for storage, insurance, demurrage, handling, etc., shall be payable by you.

6. Description

(a) Information regarding specifications, description, weights, measurements, powers, capacities, performance, and other data generally relating to the goods sold or supplied by the Company contained in advertisements, catalogue, price lists, illustrations, or other similar matter submitted to the customer by the Company whilst given in good faith, must be regarded only as approximate and intended to present to the customer a general guide. It is up to you to determine the nature, quality and condition of the goods sold or supplied by the Company and their sufficiency for any purpose and there should be no reliance by you upon any representation made by the Company, its servants or agents either orally or in writing (including any advertisement). No description of goods given by the Company will be deemed to constitute a sale by description.

(b) Notwithstanding that a sample of any goods has been exhibited to and inspected by a customer it is hereby declared that such sample was so exhibited and inspected solely to enable the buyer to judge for himself the quality of the bulk and not so as to constitute a sale by sample. The liability of the Company, if any, in respect of any misrepresentation shall not in any event exceed the cost of replacement of the goods in respect of which a claim is made.

(c) The Company will not in any event be liable for consequential loss, injury, or damage arising out of any misrepresentation or performance concerning the goods included in any order accepted by the Company.

7. Payment

Unless otherwise agreed in writing, payment for all goods purchased from the Company shall be made no later than the 20th day of the month following the month in which the goods are made available for delivery. All payments are to be made on due date as a condition precedent to future deliveries. In the event of payment in full not being received within 7 days of the due date, the Company reserves the right to charge interest at its current bank overdraft rate on any amount outstanding, calculated on a daily basis from the due date for payment to the actual date of payment and to charge the customer with any debt collection costs or legal expenses incurred in recovering overdue accounts where the debtor is in default with good cause. The Company reserves the right to take immediate action to recover any monies owing and to sue for the return of goods regardless of terms of payment where a customer commits an act of bankruptcy or goes into liquidation or receivership or enters into a creditors composition or has his credit standing impaired in any other way.

8. Patents and Designs

The Company shall not be liable in respect of any claim which may be made against the Company for infringement of any letters patent or registered design which may arise as a result of the Company carrying out instructions given by you, the customer. You agree to indemnify and keep indemnified the Company from and against all or any such claims and against all costs, damages, and expenses incurred by or recovered against the Company in respect of any such claims.

9. Delivery

Any delivery period referred to in a quotation is subject to confirmation by us on receipt of your order and will commence from the date on which we have both your order and full particulars. Any period or dates quoted for delivery are to be regarded as approximate only and the Company accepts no liability for any loss, injury, damage or expenses consequent upon any delay in delivery of goods. Delay due to circumstances outside the control of the company shall not entitle the customer to cancel any order or to refuse to accept delivery. Notwithstanding that the title of the goods may not have passed, the risk in the goods shall pass to you, the customer upon delivery. The Company reserves the right to deliver in instalments, each instalment to be separately invoiced for payment upon our stated terms and paid for accordingly notwithstanding late delivery or non-delivery of any other instalment.

10. Force Majeure

Should the Company be delayed in or prevented from making delivery owing to any case whatsoever beyond the Company's control, the Company shall be at liberty to cancel or suspend the

order without incurring any liability for any loss or damage resulting therefrom.

11. Damage or Loss in Transit

All forwarding is at the customer's risk. Freight insurance, if required, should be requested at the time of ordering. No claim for shortage in delivery will be entertained in cases where the Company has agreed to deliver the goods to the customer unless a separate notice in writing is given within 7 days of delivery. In the event of loss or damage to goods in transit, advice of such loss or damage must be submitted in writing to the carrier and to the Company within 14 days of the date of consignment as advised by the Company to the customer.

12. Jurisdiction and Forum

These terms and the contract of sale into which they are incorporated and governed by New Zealand law and the parties submit to the non-exclusive jurisdiction of the New Zealand courts. The United Nations Convention on Contracts for the International Sale of Goods does not apply to sales of goods which are the subject of these terms and conditions.

13. Ownership

(a) The Company may recall the goods that were sold, if the payment is not received in full by the due date. The delivery or sale of the goods by the Company to you under these Conditions of Sale creates a fiduciary relationship between the Company and you in relation to those goods. Your right to possession of the goods shall cease if you breach or if you are not a company, commit an available act of bankruptcy or if being a company you do anything or fail to do anything which would entitle a receiver or debenture holder, or creditors composition to take possession of any assets or which would entitle any persons to present a petition for winding up.

(b) All goods sold or delivered by the Company to the customer in which ownership is retained by the Company, must be stored separately so as to be readily identifiable.

(c) If the goods are sold by the customer prior to payment having been made to the Company then the proceeds of sale shall be paid into a separate account for which separate records shall be kept. Such proceeds of sale shall be the property of the Company.

(d) These terms and conditions shall apply notwithstanding that the goods may be amalgamated with or attached to other goods.

(e) The Company and its agents shall at all times have the right to enter the customer's premises without notice to take possession of any goods in which ownership has been retained under these Conditions of Sale.

(f) Any part of these conditions are severable and if any provision herein is held to be illegal or unenforceable for any reason, such illegality or unenforceability shall affect only that portion.

14. Personal Property Securities Act 1999 (the "PPSA")

You grant a security interest to the Company in each and every part of the Goods as security for payment of that part and of each other part or parts of the Goods and for any other amounts owing by the Customer to the Company from time to time, and for the performance by you of all the Customer's other obligations to the

Company from time to time, ("Your indebtedness and obligations"). For the purposes of section 36(1)(b) of the PPSA, and to ensure maximum benefit and protection for the Company by virtue of section 36(1)(b)(iii) of the PPSA, you confirm and agree that you intend to and grant to the Company, as security for your indebtedness and obligations, a security interest in all of your present

and after-acquired property except only for any such property which is or comprises items or kinds of personal property ("Excepted Property"):

(a) in or to which you have rights; and

(b) which has not been supplied by the Company to you, other than any Excepted Property which is or comprises proceeds of any of that present and after acquired property which has been supplied by the Company to you. The Company may allocate amounts received from you in any manner it determines, including in any manner required to preserve any purchase money security interest it has in any Goods.

You waive the right to receive a copy of the verification statement confirming registration of a financing statement or financing change statement relating to the security interest under this Contract. You agree that nothing in sections 114(1)(a), 133 and 134 of the PPSA shall apply to this Contract, or the security under this Contract, and waives your rights under sections 121, 125, 129, 131 and 132 of the PPSA.

15. Return of Goods

The Company reserves the right to accept or reject the return of goods. Credit (if granted) will only be allowed on goods returned within 30 days of invoiced date and with both product and packaging in new and re-saleable condition. If an order has been executed correctly, and return of goods is accepted, a charge will be made to cover handling, restocking, documentation, etc. Goods which are not normal stock items are not returnable.

16. Warranty

Warranty on all equipment and parts is limited to that offered by the original manufacturer. In any event this is restricted to "repair or replacement" of the returned faulty part to our nearest warehouse (freight to customer's account) within a period of 12 months from date of original invoice. Warranty does not apply to:

(a) Any defect which in the Company's opinion arose due to misuse, neglect, accident, vandalism, animal or insect damage, exposure to abnormally corrosive conditions; or to any Act of God i.e. flood, fire, lightning strike.

(b) Any defect resulting from failure or inadequacy of the users electric power, water supply or drainage.

(c) Any defect not immediately notified to the Company.

(d) Any equipment which in the Company's opinion has been installed, operated, altered, dismantled, repaired or serviced by other than an authorised person or which has been fitted with any part not approved or sold by the Company.

(e) Any equipment which in the Company's opinion shows evidence of the presence of refrigerant or oil other than that specified by the Company.

(f) Light bulbs, glass components, belts, fuses, refrigerant, lubricants, or other consumables.

(g) Any equipment where the purchaser has not in the Company's opinion carefully followed the specific operating instructions forwarded

with the equipment concerning the proper use and care of the equipment, or uses the equipment for purposes other than those for which it is designed.

(h) Replacement or cleaning of filter equipment.

(i) Any equipment where the serial plate attached to same has been rendered illegible or removed. Any Warranty claims will only

be considered when accompanied by fully completed Company Warranty Claim Forms and equipment and/or parts intact. In particular compressors are to be complete with all electrics, mounts and sealed off to prevent loss of lubricant. All other conditions and warranties, whether express or implied, and whether arising of common law or by statute, are hereby expressly excluded, and the Company shall not in any circumstances be liable to the customer or other party in respect of consequential loss, damage or injury howsoever arising.

17. Consumer Guarantees Act 1993 (the "CGA")

Where (were it not for this paragraph) the CGA would apply to the contract of sale into which these terms are incorporated, and you acquire (or hold yourself out to be acquiring) the goods for the purposes of a business as defined in the CGA, you agree that the CGA does not apply to the contract of sale. Nothing in these terms (particularly the clauses headed "Warranties" "Liability" and "No Credit for Returned Goods") is intended to have the effect of contracting out of the provisions of the CGA where the CGA applies. Where the CGA applies, these terms are modified accordingly. 18. Technical information Any technical specification or application information supplied by the Company, is without prejudice, and may not be used for the purposes of any liability claims against the Company.

18. Technical information

Any technical specification or application information supplied by the Company, is without prejudice, and may not be used for the purposes of any liability claims against the Company.

19. No Assignment

You must not transfer your rights in respect of the purchase of goods to any other party without the Company's prior consent in writing.

COMPRESSOR AND CONDENSING UNIT WARRANTY

Compressors

Realcold Ltd standard warranty covers start up of all compressors.

Compressors will be repaired or replaced under warranty if returned within 12 months of purchase date, provided that compressor, complete with original electrics, is returned to point of purchase, freight paid, accompanied by a compressor failure report.

Realcold Ltd shall not be held responsible for failure or damage resulting from misuse or incorrect installation.

Condensing Units

Sealed & Semi-Sealed

Warranty is included in the price listed for condensing units and includes replacement of all components for a 12 month period from date of purchase, provided component is returned along with Goods Returned Form to point of purchase, freight paid.

Note:

Replacement components will be debited against the account of the purchaser, with credit to follow upon receipt and inspection of faulty component.

Realcold Ltd shall in no event be liable for any indirect or consequential loss or damage whatsoever.

Refer to www.realcold.co.nz/legal/terms-conditions.aspx for our General Terms of Trade. Goods Returned Forms are available from your representative, or any of our branches.



GREE AIR CONDITIONING WARRANTY TERMS AND CONDITIONS

Subject to the terms and conditions below, Realcold will authorize, free of charge repair of your Gree Air Conditioner or Heat Pump if the fault is due to a manufacturing or materials defect.

This Warranty Covers:

The original Product against defects and labour from the date of purchase by the Owner, for the period below

Type	Series	Years Warranty	
		Parts	Labour
Portable	GPH Series	1	1
Window - wall	GJH Series	2 (6*)	2 (6*)
Hi-Wall GWH	Series	6	6
Console GEH	Series	6	6
Multi Head	GWHD Series	6	6
Ducted	GFH- GUHD Series	6	6
Cassette	GKH-GUHD Series	6	6
Air Curtains	FM Series	2	2
Energy Recovery	FHBQ Series	2	2
Hot Water Heat Pumps	GRS Series	2	2

*Residential use only

- Replacement of parts provided under warranty for the remaining period of the warranty for the original Product purchased.
- Product purchased and operated within New Zealand and its territories. (Realcold NZ Ltd)
- Repairs to be carried out within normal business hours, Monday to Friday, by an Authorised Repairer.
- Original Purchaser / Owner only. Warranty of Product is not transferable to any other party.

This Warranty Does Not Cover:

- Consumables and accessories (e.g. air filters, batteries) unless found to be defective at time of purchase of Product.
- Cosmetic or physical damage.
- Defects caused by incorrect voltage, or Products operated outside published maximum ratings.
- Defects caused by fire, misuse, negligence, alterations, Acts of God, normal weathering/wear and tear, corrosive atmospheric conditions, vermin or foreign matter entering the Product.
- Issues arising from faulty or incorrect installation, of both the original Product and/or and consumable/accessories.
- Additional labour or costs to gain access to Product installed in restricted, high or unsafe locations.
- Travel/transport costs incurred by the Authorised Repairer if the Product is located more than 20km from the location of the nearest Realcold branch or Authorised Agent/Repairer.
- Cost of transporting faulty Product back to a Realcold branch or Authorised Agent/Repairer



MHI AIR CONDITIONING WARRANTY INFORMATION

The Warranty on all Mitsubishi Heavy Industry Product is covered by Mitsubishi Heavy Industries Air Conditioners Australia, PTY. LTD. and its New Zealand subsidiary. This warranty covers all Mitsubishi Heavy Industries Product Purchased From Realcold NZ Limited and Installed in New Zealand.

Please see Mitsubishi Heavy Industries Air Conditioners Australia, PTY. LTD for their Warranty Terms and Conditions

5 YEAR WARRANTY All Products Excluding the KX Range (see MHI Terms and Conditions)

1(5) YEAR WARRANTY KX Range Residential Installations (see MHI Terms and Conditions)

1(3) YEAR WARRANTY KX Range Commercial Installations (see MHI Terms and Conditions)

Contractor / Installer responsibilities:

- Install the air conditioner as per the manufacturer's instructions
- Installation is to be done by a qualified trades person following best trade practices
- The equipment must be safely accessible using a three metre ladder. If the unit is not accessible safely you may be required to arrange safe working conditions. This is not a cost to warranty.
- Explain the operation to the owner / occupier
- Explain to the owner / occupier that the warranty will be void unless the unit is serviced annually

Before making a warranty claim please consider the following:

- Check and reset the power supply.
- Check the air conditioner's remote control settings (pay attention to timers and mode operation)
- Ensure Drains and Filters are clear
- Check either unit for obstructions reducing air flow
- Are the doors or windows open, or are there extra sources of heat in the room?
- Check the Refrigerant Charge

To make a warranty claim

- MHI have an automated warranty request system. Log onto www.mhiala.co.nz and press the warranty tab. Then complete the details requested and press send. If you cannot obtain the information required or do not have access to the internet the contact the MHIAA Warranty and Service Department on 0800 138 007 for assistance
- Be aware that MHI have their own accredited service agents who carry out warranty on their behalf.
- Should the fault be accepted as a warranty the supply of spare parts and the cost of any labour will be met by MHI in accordance with their terms and conditions

Notes

- Unless components are found to be defective and then exchanged or repaired it is deemed by MHI that this was not covered under warranty and there will be a charge for non-warranty calls

Nullarbor Condensing Units

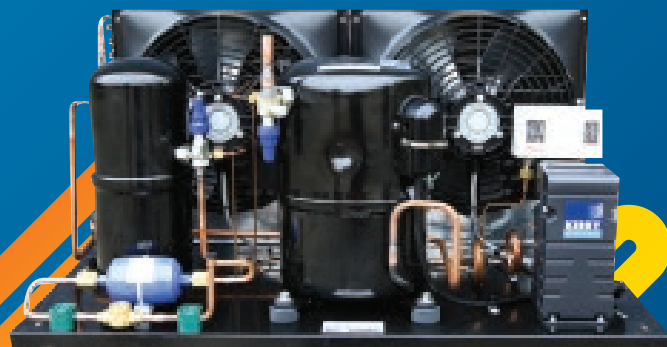


Developed for harsh conditions, the Nullarbor condensing units are rated for operation up to 45°C ambient. With improved performance due to the inclusion of large condensers, the Kirby Nullarbor range delivers high output and efficiency. And because they're from Kirby, they're robust and reliable.

Features and Benefits

The Nullarbor Condensing Units offer proven design attributes to be installation ready:

- Incorporating the latest Kirby BA, WJ and AW series compressors delivers reliability and proven performance
- High ambient condenser optimises efficiency and airflow for continuous operation at temperatures up to 45°C ambient temperatures
- Durable painted galvabond bases maximise service life
- Lower noise and vibration levels through clever compressor design
- Compact footprint for ease of installation
- Premium quality inclusions and controls



OUR BRANDS

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