

Refrigeration & Air Conditioning Tools Catalogue



People
Product
Partnerships

realcold

A BEIJER REF Company



SPARTAN SMART MANIFOLD



SPECIFICATIONS:

- Gauge: Class 1.0
- Pressure Display: psi, bar, MPa, kg/cm², kPa
- Temperature Display: °F or °C
- Deep Vacuum Display: micron, mBar, kPa, Pa, Torr, mTorr, mmHg
- Sensing Resolution: 1 psi (.07 bar, .007 MPa, .07 kg/cm²)
- Sensing Accuracy: ±1 psi or 1% of reading (whichever is greater)
- Working Pressure: 0 to 725 psi (50 bar, 5 MPa, 52 kg/cm²)
- Proof Pressure: 1000 psi (70 bar, 7 MPa, 70 kg/cm²) (Tolerable pressure without internal damage)
- Refrigerant Temperature Range: -40 to 93°C
- Operating Temperature: 0 to 45°C
- Temperature Accuracy: ±0.5°C between 0 to 71°C
- Storage Temperature: -12 to 49°C
- Vacuum Sensor: Range 20,000 to 1 micron
- Connections: 1/4" m-flare and 3/8" m-fl (vacuum hose connection (4 way only))
- Power: Li-Ion rechargeable battery (charge through supplied USB type C cable)
- Battery Life: 30-36 hours normal use (25-30 hours with bluetooth enabled)
- Auto-Off: after 30 minutes, sleep mode 4 minutes
- Data Logging: Up to 36 hours

SPECIFICATIONS FOR BLUETOOTH[®] WIRELESS TECHNOLOGY:

- 260' (80m) maximum line-of-sight range
- Bluetooth[®] 4.2 and 5

Mastercool introduces the new SPARTAN series smart manifold with Bluetooth[®] wireless technology. This smart manifold is equipped with a 4.3" color touchscreen LCD, allowing the user to navigate through all of the screens and options with a quick slide of their finger. Now with a built-in premium vacuum sensor and an accuracy down to 1 micron, there is no need for additional equipment to properly diagnose and service your A/C system.

Offered in 4 way option, this manifold will display pressure, vacuum, temperature, and will automatically calculate your superheat and subcool. Both models include data logging and will offer additional features such as leak test timers and alarms but that's not all! In conjunction with this manifold will be the ability to download our free Mastercool Connect app, which will provide full mobility as activity can be easily viewed on all compatible hand-held devices. This will allow for endless amounts of data collection and diagnostics at your fingertips.

Join the Spartan revolution and move with us into the future of A/C diagnostics and service.

Included Refrigerants: R12, R22, R23, R32, R113, R114, R115, R116, R123, R1234yf, R1234ez, R1270, R124, R134, R134a, R141b, R142b, R143, R143a, R152a, R170, R227ea, R290, R401A, R401B, R404A, R407A, R407B, R407C, R407D, R407F, R409A, R410A, R410B, R411A, R411B, R412A, R413A, R414A, R414B, R417A, R422A, R422B, R422C, R422D, R427A, R434A, R437A, R438A, R441A, R443A, R448A, R449A, R452A, R452B, R454B, R455A, R456A, R501, R502, R503, R504, R507A, R508B, R509A, R513A, R514A, R600, R600a, R601a, R601a, R744



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SERVICE MANIFOLDS

Spartan Smart Digital 4-Way Manifold

T4116M - 99943-BT



- Class 1.0 gauge provides accurate, high quality readings
- Bluetooth® wireless technology provides communication with the Mastercool Connect app to allow for full mobility as activity can be easily viewed on all compatible hand-held devices

Black Series Mini-Fold Compact Manifold

T4113M - 94103



- Easily perform pressure/temperature calculations for up to 91 different refrigerants
- Unit conversion between MPa, kPa, bar, psi, kg/cm2, inHg
- Large 4-digit "blue" backlit LCD display
- Easy to grip knobs

+ Optional Spartan Carry Case

T4117M - 99923-PB



- Plastic Blow Moulded Box for Manifold Gauge Sets

4-Way Service Manifolds

T4110M - 96203-MB: R134a, R404A, R407C, R507A

T4111M - 96203-EB: R410A, R407C, R22



- Full 3/8" bore through the block increases flow considerably, faster charging and recovery
- Ball valve rotates 90° between two teflon washers requiring little effort to turn, even under pressure
- Opens and closes quickly with only a quarter turn
- Knob position shows whether valves are open or closed (Vertical = Open, Horizontal = Closed)
- 80 mm gauges / 1.6 gauge class

2-Way Service Manifolds

T4115 - 93103-EB1: R22, R407C, R32, R410A (80mm)

T2182M - 93103-E: R410A, R507A, R404A (63mm)



- Our free floating piston valve results in less wear and tear in comparison to market standard twisting piston valves
- Double O-Ring allows for a much better seal resulting in less leaks
- 1.0 gauge class, 80 mm gauges on T4115, 63mm gauges on T2182M

R744/CO₂ Manifold

T4120 - 55661



SUITABLE FOR CO₂

- Double O-Ring allows for a much better seal resulting in less leaks
- Oil filled, class 1.0, 70 mm gauges
- Units in PSI/MPa
- 1/4" SAE
- 3x150mm Steel braided hoses for CO₂
- Assemblies packed in plastic carrying case

Single Valve Manifold

T2200M - 92103-EL



- 63 mm/1.6 class gauges
- BRA, PSI, °C
- R410A, R507A, R404A

*For hoses and replacement gauges refer to **page 17**



18 VOLT CORDLESS, 1.5 CFM, 2 STAGE VACUUM PUMP



SPECIFICATIONS:

- No. of Stages: 2
- Free Air Displacement: 1.5 CFM (42-35 l/min at 60-50 Hz)
- Motor: DC 18V, 90 W
- Ultimate Vacuum: 15 microns/3 Pa
- Oil Capacity: 105 ml
- Dimensions without battery: 252 x 94 x 155 cm
- Net Weight: 3.6 kg
- Rechargeable Battery Li-ion 18 V 5.0 Ah
- Battery Charger Input: 100-240 V, 50-60 Hz, 73 W Output: 18V/14.4V 3A

Mastercool 18V Cordless Vacuum Pump

T2420M - 90058-A



- No. of Stages: 2
- Free Air Displacement: 1.5 CFM (42-35 l/min at 60-50 Hz)
- Motor: DC 18V, 90 W
- Ultimate Vacuum: 15 microns/3 Pa
- Oil Capacity: 105 ml
- Dimensions without battery: 252 x 94 x 155 cm
- Net Weight: 3.6 kg
- Battery fitment AEG direct

Mastercool 18V Battery

T2421M - 90058-BAT



- Li-ion 18 V 5.0 Ah
- Compatible with RLS Rapid Lock System Tool
- Compatible with Makita Tools

Mastercool 18V Charger

T2422M - 90058-CH



- Mastercool battery charger

Mastercool Vacuum Pump Adaptor Sleeve

T2423M - 90058-SL-MC

T2419M - 90058-SL-MIL



- T2423M: Adapter sleeve to allow for use with Mastercool and Makita® Batteries
- T2419M: Adapter sleeve to allow for use with Milwaukee® batteries

VACUUM PUMPS

Mastercool Vacuum Pump 70L/min 2 Stage

T2424M - 90063 - 2V -220 - SVBL



- No. of Stages: 2
- Free air Displacement: 58lit/min
- Ultimate Vacuum: 15 microns
- Motor: 1/3 hp
- Pump Speed: 1440 RPM
- Complete with solenoid valve shut off

Mastercool Vacuum Pump 142 L/min Spark Free

T2425M - 90066 - 220 - BLSF



- No. of Stages: 2
- Free Air Displacement: 142 lit/min
- Ultimate Vacuum: 15 Microns
- Pump Motor: 1/2 HP
- Pump Speed: 1440 RPM
- Approved for A2L and A3 Refrigerants

Mastercool Vacuum Pump 189L/min 2 Stage

T2426M - 90068 - 2V -220 - SVBL



- No. of stages: 2
- Free Air Displacement: 189lit/min
- Ultimate Vacuum: 15 microns
- Motor: 3/4 hp
- Pump Speed: 1440 RPM
- Complete with solenoid valve shut off

Mastercool Vacuum Pump 283L/min

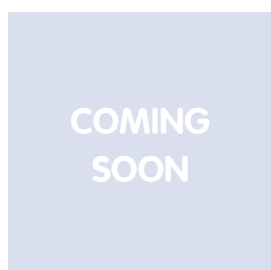
T2427M - 90612 - 2V -220 - BL



- No. of stages: 2
- Free Air Displacement 283 Lit/min
- Ultimate Vacuum: 15 Microns
- Motor 1.0 HP
- Pump Speed 1440 RPM

Freddox Vacuum Pump 58L/min 2 Stage Spark Free

FD2405 - FD-2BM



COMING
SOON

- Dual stage intelligent vacuum pump
- Suitable with CFC7, HCFC7, HFC, 7HC refrigerant
- Motor 1/4HP
- Ultimate pressure 0,02mbar (2Pa)
- Connection 1/4" and 3/8" flare
- Flow 58l/m
- Connexion 1/4"
- Dimensions (215x105x132mm)
- Light Weight 3.5kg only
- Power supply 220V/50Hz-60Hz

Freddox Vacuum Pump 119L/min 2 Stage Spark Free

FD2401 - FD-4BM



COMING
SOON

- Dual stage intelligent vacuum pump
- Suitable with CFC7, HCFC7, HFC, 7HC refrigerant
- Motor 1/4HP
- Ultimate pressure 0,02mbar (2Pa)
- Connection 1/4" and 3/8" flare
- Flow 119l/m
- Connexion 1/4" and 3/8"
- Dimensions (290x128x171mm)
- With manometer included
- Light Weight 5.3kg only
- Power supply 220V/50Hz-60Hz

VACUUM PUMPS & LEAK TESTING

Solenoid Valve for Vacuum Pump

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

T2418 - 90056-18-R



- Forged Intake Valve Assembly for Vacuum Pump

Mechanical Vacuum Gauge

T2239 - RG-80V



- 80mm Mechanical Vacuum Gauge with pointer
- 1000 to 0 mbar

Nitrogen Pressure Regulator

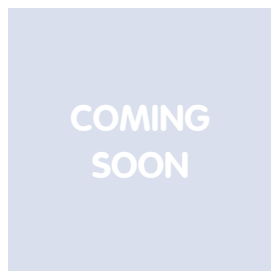
T2150 - 53004



- 1/4" SAE flare outlet port, with control valve
- High pressure gauge 300 bar (4400 psig)
- Low pressure gauge 70 bar (1000 psig)

Freddox Vacuum Meter

FD4328 - FD-VG90



- Range 1 to 0.1 bar/740000 to 0.75 micron
- Target Vacuum Alarm function (90dB)
- System vacuum leak detection
- Automatic shut down after 10min
- Portable design
- Connection 1.4" SAE
- 40h battery life (3xAA batteries)

Mastercool Digital Vacuum Gauge with Bluetooth*

T4328M - 98063-BT



- Sensor: Glass bead thermistor with temperature compensation
- Connection Fitting: 1/4 SAE F-FL with stem depressor
- Operating Temperature: 0 to 45°C
- Accuracy: ±10% of reading
- Power: 2 AA batteries included
- Weight: 0.13 kg without batteries / 0.23 kg with batteries
- Dimensions: 50 x 160 x 36 mm

Leak Testing Adapter

T2155M - 53042-YF



- 80 mm gauge

Electronic Leak Detector c/w LCD Display

T2340 - 55800



REFRIGERANTS:

- Detects All refrigerants (CFC,HFC, HCFC and blends)
- Unit has been tested and approved to work with R1234yf as well as R32 and R410a

CLEAN GUARD

NC Clean Guard L Mini Split Bag

N0760 - 4150-01



NC Clean Guard XL Mini Split Bag

N0761 - 4150-02



NC Clean Guard Ceiling Cassette Bag

N0762 - 4150-03



PROFESSIONAL MAINTENANCE BAG FOR WALL-MOUNTED AND CEILING CASSETTE DUCTLESS SYSTEMS

- For use when cleaning indoor coils with Nu-Calgon cleaners
- Easiest install on the market – installs in seconds
- Durable braided elastic band with wheel lock adjusts in seconds for a desired fit
- 4150-01 & 4150-02 now with hook-and-loop and antimicrobial
- Heavy duty design
- Eight-foot drain line for Clean Guard (XL). The Clean Guard CC uses a 10 foot drain line
- 360° coverage prevents overspray on wall
- Reusable



RECOVERY & SCALES

Mastercool Compact Combustible Gas Recovery Unit
T2390 - 69400-220



SUITABLE
FOR
R32

- 220 V - 50 Hz
- 1/2 HP motor
- Operating Temperature: 0-50°C
- Compatible with all CFC, HCFC, HFC's, and combustible gases
- Weight: 11 kg (24 lbs)
- Constructed with the safest spark free components

Mastercool Twin Turbo Refrigerant Recovery Unit
T2380M - 69300



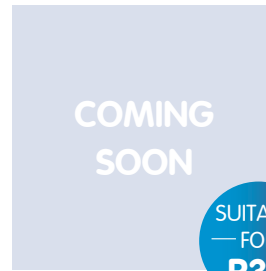
- 220 V - 50 Hz
- 1/2 HP Oil Less Compressor
- Weight: 28.3 lbs
- Dimensions: 18" (l) x 10" (w) x 14" (h)
- Case Material is HDPE (High Density Polyethylene)
- Compatible Refrigerants: All CFC, HCFC, and HFC's

Wireless Charging Scale With Solenoid
T2371M - 98315



- Wireless unit prevents unwanted tangles in wires
- Easily store the remote in the body of the platform
- Keypad provides synchronization and zeroing
- Extremely accurate weight sensor
- Magnet on remote allows easy placement on fixtures
- Wireless signal strength indicator conveniently displays on remote

Freddox Combustible Recovery Unit
FD2380 - FT-520D



SUITABLE
FOR
R32

- Digital display with back light and alarm buzzer
- Sparkfree design
- Compact dimensions (375 x 250 x 320mm)
- Light weight (10kg)
- 82 refrigerants pre registered
- Brushless motor 1HP
- Compatible with most category of trendy refrigerants

Accu-Charge III Electronic Refrigerant Scale
T2370M - 98211-A



- Charge Programming: Allows user to program desired quantities.
- Pause/Charge
- Tank Capacity Programming: Allows user to know the amount of refrigerant that is left in the tank at any time
- Repeat: Allows user to charge previously stored amount
- With Bluetooth®

Electronic Refrigerant Scale
T2369 - 98209



- Slim design for easy storage
- Two keys for easy operation
- Unit change (grams & ounces)
- One touch tare weighing function

Recovery Cylinder

T2493M
 - RC11-R32 / R1234yf
 -11.4 Kg



Recovery Cylinder

T2490M - 62010 - 10kg



Recovery Cylinder

T2491M - RC20 - 20kg



Recovery Cylinder

T2492M - 68010 - 45kg



HIGH PRECISION CHARGING SCALE

High Precision Charging Scale*

T2365M - 98202



With storage for a 14 oz. refrigerant cylinder (sold separately) packaged in a custom moulded plastic case

SPECIFICATIONS:

- Capacity: 176 ounces (5000 grams)
- Sensitivity: 0.035 ounces (1 grams)
- Charging Capability: up to 1 gram accuracy
- Dimensions: 5.5 (w) x 7.3 (l) x 1.6 (h) in. (140 (w) x 185 (l) x 40 (h) mm)
- Power Source: 3 x AAA 1.5v battery
- Fitting: 1/4" SAE M flare fitting with check valve

Mastercool's high precision charging scale accurately measures small cans of refrigerant for charging systems that need a precise charge.

- Hex cylinder adapter included for easy attachment of refrigerant cylinder to scale
- Specially designed for R600a and R290
- Built in check valve will hold any remaining refrigerant within the 36" nylon tube
- Slim design for easy storage
- Two button keypad for easy operation
- Unit change (grams & ounces)
- One touch tare weighing function
- Auto zero
- Auto off automatically turns off its power if the scale is not used within 3 hours



R600a Refrigerant Cylinder

T2366M - 91050-600



- R600a Refrigerant Grade Isobutane C4H10

R290 Refrigerant Cylinder

T2367M - 91050-290



- R290 Refrigerant Grade Propane C3H8

HAND TOOLS

45° Eccentric Flaring Tool

T2026M - 70057-A



- Aluminum design
- Light weight and durable
- Automatic torque release
- Flares 6 Sizes: 1/4, 5/16, 3/8, 1/2, 5/8 and 3/4" O.D. Tubing

Eccentric Cone Type Flaring Tool

T0742 - CH-806A



- 1/4" to 3/4"

45° Flaring and Swaging Kit (275)

T4010M - 70053



- 1/8" to 3/4"

Set of 5 Swaging Punches

T4000M - 70048



- 1/4" to 5/8"

Hydra Swage Tube Expander Kit

T2035M - 71600



- 3/8" to 1-1/8"

Manual Expander Kit

T2030A - BD13800



- 8 Heads
- 1/4" to 1.1/8"

RLS Rapid Lock Tool Kit

TZ1001A - PZK-KK5: 19kN Kit includes 5 x Jaws, No Battery



- Includes the Klauke 19kN Press Tool, 5 Jaws (3/8", 1/2", 5/8", 7/8", 1-1/8"), and Accessory Kit (contents listed below) in a hard plastic carrying case
- For Battery option refer to T2421M MC Battery or use with your Makita battery
- Tubing Cutter
- Deburring Tool
- RLS Press Gauge
- Brush
- RLS Depth Gauge
- Abrasive Pad
- Permanent Maker

Extra or replacement Jaws

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

HAND TOOLS

Ratchet Style Tube Bender Kit

T2070M - 70070



- Hand-operated ratchet design bends tubes easily
- Bends: 3/8, 1/2, 5/8, 3/4 and 7/8" O.D. soft tubing
- Includes heavy duty tube cutter for (1/8 - 1 1/8" O.D. tubing)
- Includes inner-outer reamer for (3/16 - 1 1/2" O.D. tubing)
- Comes in custom moulded case

4-in-1 Lever Style 180° Tube Bender

T0710 - T0069-A



- All metal multi-purpose 180° Tube Bender for 3/16, 1/4, 5/16 and 3/8" O.D. Tubing.

Lever Type Tube Bender



- CH-364-04-1/4 - **T0701** - 1/4"
- CH-364-06-3/8 - **T0703** - 3/8"
- CH-364-08-1/2 - **T0704** - 1/2"
- CH-364A-10-5/8c - **T0705** - 5/8"
- CH-364-12-3/4 - **T0706** - 3/4"

Tube Bending Spring

T0001/06/02/03/04/05 - CH-102-04/05/06/08/10/12



- CH-102-04 - **T0001** - 1/4"
- CH-102-05 - **T0006** - 5/16"
- CH-102-06 - **T0002** - 3/8"
- CH-102-08 - **T0003** - 1/2"
- CH-102-10 - **T0004** - 5/8"
- CH-102-12 - **T0005** - 3/4"

Internal Pipe Bender for Pair Coil

T4323/T4324/T4325/T4326 - PB38/PB12/PB58/PB34



- PB38 - **T4323** - 3/8"
- PB12 - **T4324** - 1/2"
- PB58 - **T4325** - 5/8"
- PB34 - **T4326** - 3/4"

Round Inspection Mirror

T1016 - MA-143A



- 32mm

Heavy Duty Ratchet Hose Cutter

T0729 - 80011



- Ratcheted action makes this cutter extremely easy to operate resulting in quick, clean cuts
- Cutting blade is made of special alloy, heat treated steel for long life
- Cuts all rubber hoses and PVC pipe up to 1 1/2" O.D. (Not recommended for PVC200)

Mighty Bracket

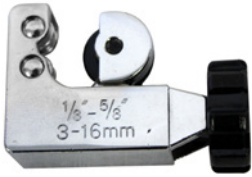
T4003 - 97705



- Mini-Split Installation Support Tool
- Allows single person installation
- Simple clip-on support
- Does not damage walls
- Folds for easy storage
- Includes tote bag

HAND TOOLS

Mini Tube Cutter
T4025M - 70027



- 1/8" to 5/8"
- Ball bearings
- Reduced friction

Mini Tube Cutter
T2011M - 72029



- 1/8" to 1-1/8"
- Ball bearings
- Reduced friction

Heavy Duty Tube Cutter
T4021M - 72035



- 1/4" to 1-1/2"
- Ball bearings
- Reduced friction

Heavy Duty Tube Cutter
T2008M - 70038



- 1-1/4" to 3"

Inner Reamer
T2089M - 71685



- Designed to remove inner burrs easily
- Full metal grip
- Includes one spare tungsten blade for long use

Inner-Outer Reamer
T2090M - 70085



- For 3/16" to 1 1/2"

Pinch-Off Plier
T4001M - 70083



- Pinches off and locks on copper tubing
- Size: Throat 7", Depth 1", Jaw Thickness 1/4".

JB Evacuation Plier
T4002 - A32100



- Plier-type tool with a quick release trigger to puncture large holes into the line for discharge of a recovery unit
- Fits 3/16" to 7/8" OD hard tubing

HAND TOOLS

Brazing Turbo Set 200

N6010 - OTS200



- Complies fully with International Standards.
- Independently certified by Apragaz.
- Both Oxygen and FlamePro Regulators have in-built flashback arrestors.
- Handpiece / Blowpipe has in-built flashback arrestors for both supply lines.
- Unique two-piece nozzle design which allows a stable flame in all conditions including strong winds.
- Compact and lightweight (27 cm high and about 6 kg weight with cylinders fitted)
- Cylinders are always secure, including when in use, during transport and when in storage.
- Metal carry case cannot accumulate any gas from accidental leakage.
- Meets OH&S requirements and Safe Work Australia - Welding Processes - Code of Practice. Specifically, the supply of flashback arrestors for the regulators and handpiece / blowpipe and that cylinders are secured at all times.
- Tesuco Turbo Set 200 Professional Kit Instruction video can be viewed on YouTube at any time.
- Made in Italy.

Vulcane Pro Brazing Torch

N6007 - PTV472



- Its modern design makes it light weight and easy to handle
- Three position controls for safety - lock/unlock/operating
- Dual-mode ignition trigger for continuous or intermittent use
- Built in Piezo ignition which is easily replaced
- Includes removable stand for hands free brazing

Gas Cartridges

N6050 / N6011



- **N6050**
Disposable "MAPP" Gas Canister
- **N6011**
Disposable Oxygen Cylinder

Ratchet Wrench

T2046M - 70082



- Compact chrome satin plated wrench specially designed for use in hard to reach places
- 1/4, 3/8, 3/16 and 5/16" square ratchet

Ratchet Wrench

T2049M - 70081



- Steel forged wrench with reversible ratchet
- 9/16", 1/2" hex, 1/4 and 3/16" square

Interchangeable Multi-Head Fin Tool

T0255 - T-100



- Kit includes fin tools that are hand held to straighten and repair damaged fins in most radiators, coolers, and air conditioning condensers
- Includes six interchangeable heads of 13, 15, 16, 17, 18 and 20 fins per inch

Stainless Steel Fin Comb

T0791 - CH-352



- Material: Aluminium alloy, Stainless steel
- High quality and durable, great for refrigeration work
- For air conditioner blade straightening cooling cleaning fin comb tool

TESTING

Mastercool Infrared Laser Thermometer

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

Mastercool Dual Probe Thermometer

T2170M - 52228



- Max Hold Function
- Data Hold Function
- T1 - T2 differential
- Includes two Type K thermocouples
- Range -50°C to +1300°C

Mastercool Hand Held Waterproof Thermometer

T2440M - 52229



- Maximum / Minimum temperature memory
- High / Low temperature alarm setting
- Range -50°C to +300°C

Clamp-on Thermocouple

T2171M - 52336



- 1m length

Thermocouple Probe

T2172M - 52332



- 3m length

Glycol Refractometer

T1032 - MA-REF401C



- 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

Oil Charging Pump

T2052



- 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, & polyolester
- Pumps 78 ml per stroke

TESTING & DATA LOGGER

Sauermann Vane Thermo-anemometer

T4340 - Si-VV3



- Temperature measurement form -10°C to 60°C
- Battery life: 120 hours

Sauermann Dual Input Thermometer

T4341 - Si TT3



- Temperature measurement form -200°C to 1300°C
- Battery life: 400 hours

Sauermann Infrared Thermometer

T4342 - Si-TI3



- Temperature measurement form -40°C to 500°C
- Battery life: 120 hours

Sauermann Clamp-on Thermocouple

T4343 - Si HH3



- Temperature measurement form -20°C to 60°C
- Battery life: 250 hours
- Calculated values: dew point, absolute humidity, enthalpy, mixing ratio, wet bulb temperature

Sauermann Digital Differential Pressure Manometer

T4344 - Si-PM3



- Measuring range: from -150 to 150 hPa (-60 to 60 inH₂O)
- Battery life: 170 hours

Sauermann Data Logger

T4346 - KH 50



- 1-line display
- Internal sensor
- Battery life: 365 days
- Measuring range: -40°C to 70°C; 0 to 100% RH, IP40

Sauermann Data Logger

T4345 - KT 50



- 1-line display
- Internal sensor
- Battery life: 500 days
- Measuring range: -40°C to 70°C; IP65

COUPLERS

Control Valve

T2715M - 90328



- 1/4" Female Flare x 1/4" Male Flare Control Valve

Control Valve

T2717M - 90328-5/16



- 5/16" Female Flare x 5/16" Male Flare Control Valve

Manual Shut-Off Ball Valves

T4303M - 90430



- 1/4" Female Flare x 1/4" Male Flare Manual Shut-off Valve

Manual Shut-Off Ball Valves

T4304M - 90433



- 1/4" Female Flare x 5/16" Male Flare Manual Shut-off Valve

Automotive (R1234yf) Couplers - Red

T2305M - 83834



- Service coupler High Side R1234yf - 12mm-F x 17mm - Red

Automotive (R1234yf) Couplers - Blue

T2306M - 83934



- Service coupler Low Side R1234yf - 12mm.F x 14mm - Blue

Automotive / Transport (R134a) Couplers - Red

T2307M - 82834-E



- Service coupler High Side R134a manual 1/4" FL-M x 16 mm - Red

Automotive / Transport (R134a) Couplers - Blue

T2308M - 82934-E



- Service coupler Low Side R134a manual 1/4" FL-M x 13 mm - Blue

COUPLERS

Schrader Valve Core Removers

T4050M - 91490



- Standard Schrader Valve Core Remover/Installer

Schrader Valve Core Removers

T2290M - 91496



- Temporary removal of service valve core eliminates the restriction it creates and provides full flow of refrigerant and vacuum during recovery, evacuation and recharge. You will save valuable service time.

Schrader Valve Core Removers

T4060M - 91498



- Universal Schrader Valve Core Remover/Installer Kit - suitable for multiple refrigerants including R410A

Air Conditioning (R410A) Couplers

T2711M - 90413



- R410A Adapter - 5/16" F.Fl swivel female nut x 1/4" M.Fl

Air Conditioning (R410A) Couplers

T2712M - 90366



- R410A Adapter - 1/4" F.Fl x 5/16" M.Fl

Cylinder Caps

J0539C



- 3/4" F.BSP Cap

Cylinder Adapters

J0539



- MF - 1/4"
- FBSP - 3/4"

Cylinder Adapters

J0540



- MF - 3/8"
- FBSP - 3/4"

Cylinder Adapters

J0542



- R32 Cyl. Adapter Left Hand Thread

COUPLERS

Imperial Kwik - Couplers

T0092 - 16C



- Kwik-Coupler - 1/4" Female x 1/4" Male
- Straight Coupler

Imperial Kwik - Couplers

T0093 - 17C



- Kwik-Coupler - 1/4" Female x 1/4" Male
- 90° Elbow Coupler

Imperial Kwik - Couplers

T0095 - 26C



- Kwik-Coupler - 5/16" Female x 5/16" Male
- Straight Coupler

Imperial Kwik - Couplers

T0097 - 27C



- Kwik-Coupler - 5/16" Female x 5/16" Male
- 90° Elbow Coupler



The original press fittings specifically engineered to join tube in high-pressure HVAC and refrigeration systems.

Klauke® 19 kN Press Tool and Jaws

Klauke's lightweight, compact design increases productivity thanks to a short pressing cycle that connects fittings in less than 10 seconds, plus a 350° jaw rotation that allows technicians to install in tight spaces. Its high-quality, powerful Makita Li-Ion technology provides 100-150 presses per charge, with a charging time of just 15 minutes (2.0 Ah). Pressing force is 19 kN; minimum press pressure is 525 bar/7,613 psi. Comes with a 24-month warranty from date of purchase.



Original. Patented. Proven



KJ Series Jaws

KJ Series Jaws are available in 1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1-1/8", 1-1/4" and 1-3/8" sizes.

HOSES & REPLACEMENT GAUGES
Gauges - 80mm Anti-Flutter

Stock No.	Model	Refrigerant	Description	Size (mm)	Scale
High Pressure Gauges					
T4320M	MBH	R134a, R404A, R407C, R22	HP Gauge	80	Bar / °C
T2221M	EBH1	R32, R410A, R407C, R22	HP Gauge	80	Bar & psi, °C
Low Pressure Gauges					
T4321M	MBL	R134a, R404A, R407C, 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
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
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
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	
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
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
T2262M	94136	Black	90	3/8" Vacuum Hose
T2259M	94160		150	
T2266M	94172		180	

Charging Hose Set

Stock No.	Model	Colour	Length (cm)	Description
T2276M	46336	Set of 3	90	1/4" Hose Set with Auto shut-off valve
T2280M	46372		180	

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