



Mastercool[®] Inc.
"World Class Quality"

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2020 HVAC/R PROMOTION

NEW PRODUCTS



Mastercool introduces the new SPARTAN series digital manifold. This new manifold is equipped with a 4" color LCD touchscreen that navigates with a quick slide of your finger. Now with a built-in premium vacuum sensor with an accuracy down to 1 micron there is no need for additional equipment to properly diagnose and service your A/C system.

Offered in 2 way and 4 way options, this manifold will display pressure, vacuum, temperature, and will automatically calculate your superheat and subcool. Both models will allow for data logging and will offer additional features such as leak test timers and alarms.

Using the included Bluetooth[®] wireless technology and Mastercool's free app allows for endless amounts of data collection and diagnostics in the palm of your hand.

- 99923-BT-2 2 Way Digital Manifold with Bluetooth[®] Wireless Technology & (2) Clamps
- 99926-BT-2 2 Way Digital Manifold with Bluetooth[®] Wireless Technology, 60" High Pressure Hoses, Standard Fittings and (2) Clamps
- 99943-BT-2 4 Way Digital Manifold with Bluetooth[®] Wireless Technology & (2) Clamps
- 99946-BT-2 4 Way Digital Manifold with Bluetooth[®] Wireless Technology, 60" High Pressure Hoses, Standard Fittings, Black Vacuum Hose and (2) Clamps

52234-BT

Digital Thermometer/Hygrometer with Bluetooth[®] Wireless Technology

- Works with Mastercool's IOS and Android app to remotely provide:
 - Relative humidity (Tamb=23±5°C): 1~99%, accuracy: ±3% from 20~80%, otherwise ±5%
 - Dry bulb temperature (DBT): -20~65°C, accuracy: ±2.5°C
 - Wet bulb temperature (WBT): -20~65°C, accuracy: ±2.5°C



18 VOLT CORDLESS, 1.5 CFM, 2 STAGE VACUUM PUMP

90058-5A

Complete Kit includes:

- 18 V cordless vacuum pump
- 1/4" SAE port
- Mastercool designed rechargeable battery
- Mastercool adapter sleeve
- Standard 110V battery charger



98063-BT Digital Vacuum Gauge with Bluetooth[®] Wireless Technology

With the increased use of Bluetooth[®] wireless technology, Mastercool introduces its new compact hand-held digital vacuum gauge. Utilizing our new sensor technology with state of the art glass beaded thermistor and temperature compensation, Mastercool is offering the latest technology to the HVAC/R technician.

Included in this package will be the capability to download Mastercool's free app. This will allow for full mobility as activity will be easily viewed on all compatible hand held smart devices.



RECOVERY



TWINTURBO

REFRIGERANT RECOVERY MACHINE

- Revolutionary double piston oil-less compressor
- Largest volume recovery rate in market
- All refrigerants including R410A

69300 115V - 60 HZ

69395 HVAC Spark Free Combustible Gas Recovery Machine
• Compatible with all CFC, HCFC and HFC's

mini TWINTURBO

REFRIGERANT RECOVERY MACHINE

COMPATIBLE WITH COMBUSTIBLE GASES

69400 115V - 60 HZ

Whether you find yourself up a ladder, in a crawl space or not wanting to carry a heavy piece of equipment this is the right machine for you. Best of all, its been constructed with the safest spark free component allowing for use with all combustibile gases.



VACUUM PUMPS



90063-2V-110-B 90066-2V-110-B 90068-2V-110-B 90612-2V-110-B

- 90065 Elite Ball Bearing Vacuum Pump 5 CFM Two Stage
- 90067 Elite Ball Bearing Vacuum Pump 7.5 CFM Two Stage << popular >>
- 90059-B 1.8 CFM Vacuum Pump (Single Stage)
- 90062-B 3 CFM Vacuum Pump (Single Stage)
- 90066-B 6 CFM Vacuum Pump (Single Stage)
- 90066-B-SF SPARK FREE 6 CFM Vacuum Pump (Single Stage)
- 90063-2V-110-B 3 CFM Vacuum Pump (Two Stage)
- 90066-2V-110-B 6 CFM Vacuum Pump (Two Stage) << popular >>
- 90068-2V-110-B 8 CFM Vacuum Pump (Two Stage)
- 90612-2V-110-B 12 CFM Vacuum Pump (Two Stage)

ELECTRONIC LEAK DETECTION



56100 Raptor Refrigerant Leak Detector

56200 Raptor Refrigerant Leak Detector with UV Blue Light



IntellaSense REFRIGERANT LEAK DETECTOR

- High Sensitivity, Fast Response / Meets and Exceeds J2791 and J2913
- Detects: Combustible Gases, Hydrogen, Refrigerants (all CFC's, HCFC's & HFC's)

55800 IntellaSense Refrigerant Leak Detector with 2 "D" batteries, leak test vial and replacement filters in blow molded box



IntellaSense III COMBUSTIBLE GAS LEAK DETECTOR

- Detects combustible gases (Acetone, Acetylene, Ammonia, Benzene, Butane, Butanol, Chlorine, Ethane, Ethanol, Gasoline, Hexane, Hydrogen, Hydrogen Sulfide, Isobutane, Methane, Methanol, Methyl Acetate, Methyl Chloride, Methyl Ether, Naptha, N-Butane, Pentane, Propane, Propanol, Sulfur Dioxide and Trichloroethane)
- Ultimate Sensitivity: 50 – 1000 ppm

55975 IntellaSense III Combustible Gas Leak Detector in blow molded case with 2 "C" batteries, leak test vial and replacement filters



COMPATIBLE WITH COMBUSTIBLE GASES

MANIFOLDS

R12, R22 & R502

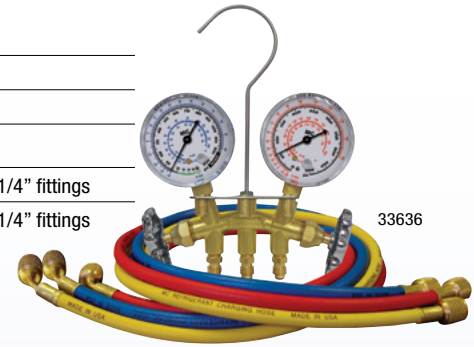
93636 Aluminum 2-way manifold, 2 1/2" gauges with 3 - 36" hoses

93661 Aluminum 2-way manifold, 2 1/2" gauges with 3 - 60" hoses

R410A, R22 & R404

57136 Aluminum 2-way manifold, 3 1/8" gauges with 3 - 36" hoses & 1/4" fittings

57161 Aluminum 2-way manifold, 3 1/8" gauges with 3 - 60" hoses & 1/4" fittings



R12, R22 & R502

33636 Brass 2-way manifold, 2 1/2" gauges with 3 - 36" hoses

33661 Brass 2-way manifold, 2 1/2" gauges with 3 - 60" Hoses << popular >>

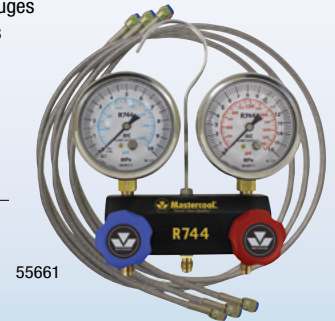
R410A, R22 & R404

59136 Brass 2-way manifold, 3 1/8" gauges with 3 - 36" hoses & 1/4" fittings

59161 Brass 2-way manifold, 3 1/8" gauges with 3 - 60" hoses & 1/4" fittings << popular >>

CO2 (R744)

55661 2-way piston valve manifold, 2 3/4" oil filled gauges with 3 - 60" steel braided hoses



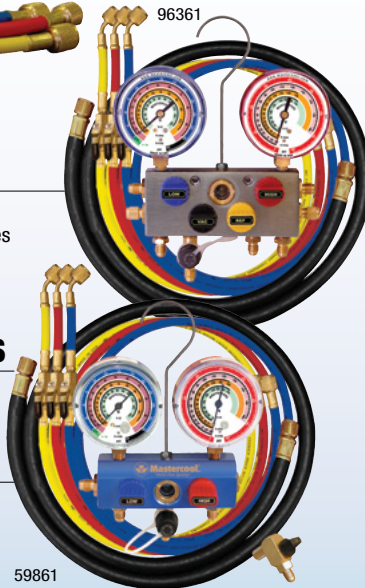
R410A, R22 & R404

96361 Aluminum 4-way manifold, 3 1/8" gauges with 3 - 60" hoses << popular >>

3/8" BALL VALVE MANIFOLDS

59861 Aluminum 3-way manifold, 3 1/8" gauges with 60" hoses (3 - 1/4" red, blue, yellow and 1 - 3/8" black)

59661 Aluminum 3-way manifold, 3 1/8" gauges with 60" hoses (3 - 1/4" red, blue and yellow)



TEMPERATURE MEASUREMENT

COMPLETE A/C SYSTEM DIAGNOSTIC TOOL

- Calculates actual superheat and subcool temperatures for many popular refrigerants
- Provides all the functions of a high-end anemometer: airflow volume, air velocity, dry bulb temperature, wet bulb temperature, relative humidity and dew point

52260 System Analyzer with Antenna Type Meter & Clamp-On Thermocouple

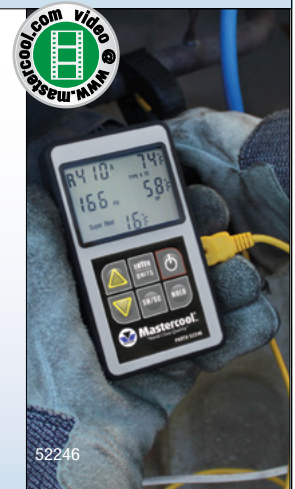
52270 System Analyzer with Round Vane, Clamp-On Thermocouple & Pressure Transducer << popular >>

52280 System Analyzer with Antenna Type Meter, Clamp-On Thermocouple & Pressure Transducer



52246 COMPACT SUPERHEAT/SUBCOOL CALCULATOR

- Preprogrammed with popular refrigerants
- Clamp-on K-Type thermocouple included achieves temperature measurement
- View bubble & dew temperature for corresponding pressure on large LCD display
- Easily select superheat or subcool temperature
- Easily look up saturated temperature using pressure from any gauge set



CHARGING SCALES

98310 Wireless Refrigerant Scale without Solenoid

98315 Wireless Refrigerant Scale with Solenoid

- Accuracy: ± 0.01 kg / ± 0.16 oz / ± 0.01 lb or 0.1% whichever is greater
- Accepts all US & EU standard cylinders
- Capacity: 240 lbs (110 kg)
- Resolution: 0.02 lb / 0.01 kg
- Auto off function
- Operating temperature: 32 to 120°F (0 to 49°C)

98210-A Electronic Charging Scale



REFRIGERANT RECOVERY TANKS

- Y-valve for liquid/vapor
- Reusable & conforms to DOT-4BA400 specifications & ARI guidelines
- Storage & transport of recovered refrigerant gases

* more tank options available, visit www.mastercool.com

Model (without float switch)

30 lb.

50 lb.



62010

63010

over 35% SAVINGS! ➔

62010-60PK

60 piece (1 pallet)

63010-24PK

24 piece (1 pallet)

Connection

1/4" FL-M (7/16-20)

1/4" FL-M (7/16-20)

Size (w x h) / Tare Weight

9.12x17.52"/17.99lb

12.25x18.78"/28.71lb

FLUSH

The "MASTERCLEANSE" large volume flush machine is designed to flush all HVAC/R systems. It will be commonly used for removal of all solids and residues caused by breakage of compressor or filters.

69900 110 V / 60 Hz

- Stainless steel ball valve controls
- 1/4" SAE connection
- Additional external container connection
- External nitrogen bottle connection
- Pump equipped with mechanical seal and PTFE gasket
- Mechanical filter present at suction side



69900

TOTAL A/C QUICK FLUSH

Specific fluid for the inner flushing of air conditioning and refrigeration systems

91051 Total A/C Quick Flush Kit

91050 17 oz. Total A/C Quick Flush Can

91050-6 6 Pack - 17 oz. Total A/C Quick Flush Cans

A/C FLUSH SOLVENT

Effectively removes debris and sludge from A/C components. Evaporates quickly, leaves no residue.

91049-32 32 oz. Flush Solvent

91049-32-6 6 pack - 32 oz. Flush Solvent

91049-128 1 Gallon Flush Solvent

91049-128-4 4 pack - 1 Gallon Flush Solvent



91050

91051

91049-32

91049-128

DIAGNOSTIC TOOLS

52230 Pen Type Hygrometer

52233 Digital Psychrometer

52236 Airflow+ Psychrometer



52230



52233



52236

DIGITAL VACUUM GAUGE

98061 Digital Vacuum Gauge (molded case)

98061-C Digital Vacuum Gauge (clam shell)



- Response time: 250 mSec.
- Thermocouple sensor cable: extends to 6.5 ft
- Sensor: thermocouple sensor
- Connection fitting: 1/4" flare female adapter
- Operating temperature: 32 to 120°F (0 to 45°C)
- Vacuum units: Micron, Torr, mTorr, mmHg, mBar, Pa

INFRARED THERMOMETERS

52224-A
« popular »

52224-A Infrared Thermometer w/Circular Laser (-58 to 1022°F)

52224-CC

52224-CC Infrared Thermometer w/Circular Laser (-76 to 1400°F)

52224-D

52224-D Multi Laser Infrared Thermometer



52224-A

52224-CC

52224-D

NITROGEN PRESSURE REGULATOR

53010

Pressure Testing Regulator Kit includes nitrogen pressure regulator, 38" yellow charging hose and leak testing adapter



53010

BLOWER FANS

21200 1200 CFM Blower Fan
• Variable speed switch: 950-1650 RPM
• Moves air up to: 1200 CFM

20300 300 CFM Blower Fan
• Variable speed switch: 950-1650 RPM
• Moves air up to: 300 CFM

20300-HTR Heater Attachment for 300 CFM Blower Fan



21200

20300-HTR

20300

HYDRAULIC FLARING

EASILY MAKE OEM FLARES WITH A PUMP OF THE HANDLE...

- 71680** Hydraulic Flaring Accessory
Add the 71680 to your existing Mastercool hydraulic expanding kit to allow for the ability to make OEM flares
-
- 71675** Complete Hydraulic Flaring & Expanding Kit (7 Head Kit)
Consists of expander heads 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1 1/8", hydra-swage 71601, adapter, inner-outer reamer, hydraulic flaring accessory 71680 in blow molded case
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- 71676** Complete Hydraulic Flaring & Expanding Kit (10 Head Kit)
Same as 71675 plus 1 3/8", 1 5/8", 2 1/8" expander heads



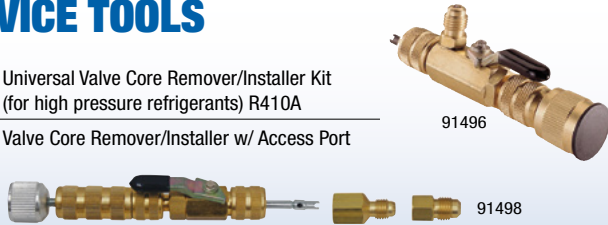
SWAGING TOOLS

- 71600-A** Hydra-Swage Tube Expanding Tool Kit to 1 1/8"
Consists of: expander heads 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1 1/8" hydra-swage 71601, small adapter, inner-outer reamer.
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- 71650-A** Hydra-Swage Tube Expanding Tool Kit to 2 1/8"
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- 71700** Hydraulic Flaring and Swaging Tool Kit
Includes dies and adapters for copper tubing sizes: 1/4, 5/16, 3/8, 5/8, 3/4 and 7/8".



SERVICE TOOLS

- 91498** Universal Valve Core Remover/Installer Kit (for high pressure refrigerants) R410A
-
- 91496** Valve Core Remover/Installer w/ Access Port



TUBE WORKING ACCESSORIES

- 70078** Torque Wrench
Ensure accurate tightness of fittings, especially R410A. Kit in a blow molded case includes sizes: 17, 22, 24, 26, 27 and 29 mm



TUBING TOOLS

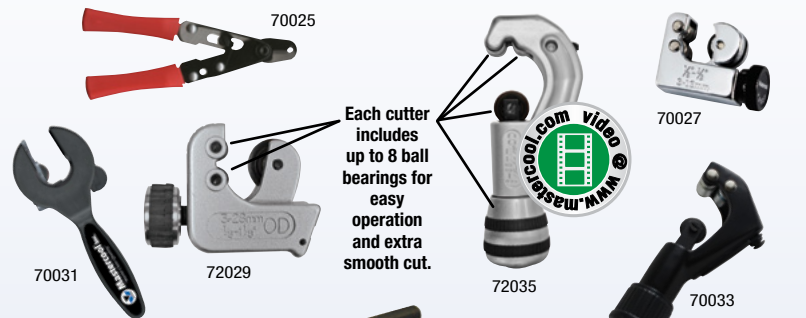
FLARING TOOLS

- 70057-A** Eccentric Flaring Tool
1/4, 5/16, 3/8, 1/2, 5/8, 3/4"
-
- 70058-A** Eccentric Flaring Tool Kit
Includes 70057-A, 71685 & 70033
-
- 70059** Eccentric Flaring Tool - Flares 6 sizes
"Only Tool On the Market to Cover up to 7/8"
1/4, 3/8, 1/2, 5/8, 3/4, 7/8"
-
- 70060** Eccentric Flaring Tool Kit
Includes 70059, 71685 & 70033
-
- 70053** Flaring and Swaging Adapter Tool Kit
Durable forged steel slip-on yoke. Bars are chrome plated, hardened steel. Swages in close quarters where punch style cannot be used.
-
- 70094** Wide Range 45° Flaring and Cutting Tool



TUBE CUTTERS & KITS

- 70025** Capillary Tube Cutter
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- 70027** Tube Cutter for 1/8 to 5/8" O.D. Tubing
-
- 70031** Ratchet Style Tube Cutter for 5/16 to 1 1/8" O.D. Tubing
-
- 70033** Heavy Duty Tube Cutter for 1/8 to 1 1/8" O.D. Tubing
-
- 70090-A** 4 Piece Tube Cutter Kit (70027, 70029, 70033 & 70037)
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- 72029** "Reduced Friction" Tube Cutter for 1/8 to 1 1/8"
-
- 72035** "Reduced Friction" Tube Cutter for 1/4 to 1 1/2"



Each cutter includes up to 8 ball bearings for easy operation and extra smooth cut.

TUBE BENDERS & ACCESSORIES

- 70069-A** 4-in-1 Bender
3/16", 1/4", 5/16" & 3/8" O.D. tubing
-
- 70070** "Ratchet Style" Tube Bender Kit
• 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)
-
- 70070-RD** Reverse Direction Bending Adapter
-
- 70080** "Ratchet Style" Tube Bender Kit
Bends 6 sizes: 3/8, 1/2, 5/8, 3/4, 7/8 and 1 1/8" O.D. soft tubing



BENDS 6 SIZES UP TO 1 1/8"