



# 2024 HVAC/R PROMOTION

## Black Series Mini-fold

COMPACT MANIFOLD WITH FRONT MOUNTED HOSE HOLDERS ALLOWS FOR PRECISE CALCULATIONS IN THE PALM OF YOUR HAND

- Compact black anodized aluminum block with matte chrome fittings offer an extremely portable solution to fit the needs of every busy technician
- Easily perform pressure/temperature calculations for up to 91 different refrigerants including R134a, R410a and R22 refrigerants
- Unit conversion between MPa, kPa, bar, psi, kg/cm<sup>2</sup>, inHg, celcius or fahrenheit designation
- Large 4-digit "blue" back-lit LCD display provides vibrant readings in even the darkest of environments



- 94661 Mini-fold Compact 2-Way Manifold with 3-60" high pressure hoses in a zippered carry case
- 94261 Mini-fold Compact 2-Way Manifold with 3-60" high pressure hoses with ball valves in a zippered carry case



**52234-BT**  
Digital Thermometer/Hygrometer with Bluetooth® Wireless Technology

- Mastercool Connect app remotely provides:
  - 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

**98063-BT**  
Digital Vacuum Gauge with Bluetooth® Wireless Technology

Mastercool's compact hand-held digital vacuum gauge with Bluetooth® wireless technology utilizes new sensor technology with state of the art glass beaded thermistor and temperature compensation.

Bluetooth® wireless technology provides communication to hand-held smart devices through the Mastercool Connect app.



**MC-HANGER**  
Mastercool Heavy-Duty Magnetic Hanger



### JOIN THE SPARTAN REVOLUTION

- 4" color LCD touchscreen
- Built-in premium vacuum sensor with an accuracy down to 1 micron
- Displays pressure, vacuum, temperature, will automatically calculate superheat and subcool and provide data-logging
- Bluetooth® wireless technology and Mastercool's free app allows for data collection and diagnostics in the palm of your hand

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



**98210-BL**  
**Black Series**  
Electronic Charging Scale with Bluetooth® Wireless Technology

*The Ultimate Device for Charging and Recovering of Refrigerant*

- Accepts all US & EU standard cylinders
- Capacity: 243 lbs (110 kg)
- Accuracy: ≤±0.05% of reading
- Resolution: 0.05 lb / 0.5 oz / 0.01 kg
- Automatic Shut Off: 3 hrs



## COMBUSTIBLE EQUIPMENT HIGH PRECISION CHARGING SCALE

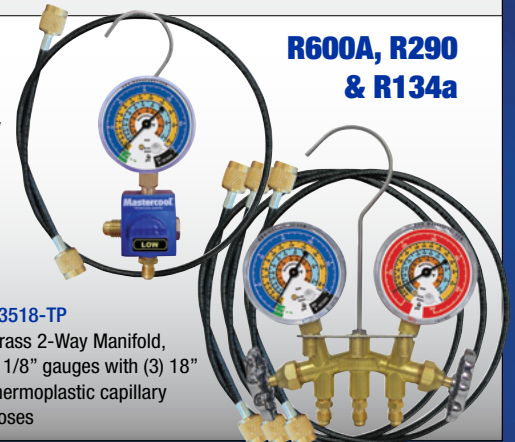
- Specially designed for R600a and R290
- 7/16"-28 hex cylinder adapter included
- 36" thermoplastic capillary hose with 1/4" swivel female fittings
- Built-in check valve will hold any remaining refrigerant within the 36" capillary hose

- 98201-A High Precision Charging Scale (only)
- 98202-A High Precision Charging Scale with storage for a 14 oz. refrigerant cylinder (sold separately)
- 98202-A-600 High Precision Charging Scale with a can of R600a refrigerant
- 98202-A-290 High Precision Charging Scale with a can of R290 refrigerant



**92518-53-1/4-TP**  
1/4" Single Ball Valve Manifold with (1) 18" thermoplastic capillary hose

**R600A, R290 & R134a**



**33518-TP**  
Brass 2-Way Manifold, 3 1/8" gauges with (3) 18" thermoplastic capillary hoses

## RECOVERY



## TWINTURBO

REFRIGERANT RECOVERY MACHINE

- Revolutionary double piston oil-less compressor
- Largest volume recovery rate in the 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 components allowing for use with all combustibile gases.



## ELECTRONIC LEAK DETECTION

### 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



55800



55975

**COMPATIBLE WITH COMBUSTIBLE GASES**

### IntellaSense III

COMBUSTIBLE GAS LEAK DETECTOR

- Detects Combustible Gases
- 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

## Black Series

### PROVIDING A RELIABLE SOLUTION TO FINDING SENSITIVE LEAKS

- Innovative infrared sensor offers an extended sensor life of 10 years
- Maximum sensitivity up to 0.14 oz/yr
- Designed to meet EN14624, SAE1627, SAE2791 and SAE2913 standards
- Smart sensor technology allows for the selection of popular refrigerants such as R134a, R404a, R407C, R410A and R1234yf with a default setting that detects all HFC's, HCFC's, CFC's, PFC's and HFO's

**55600-A**  
 Infrared Refrigerant Leak Detector packaged in a zippered carry case

### EXTREMELY EFFECTIVE AT LOCATING CO<sub>2</sub> LEAKS

- Advanced infrared sensor with a sensor life of 40,000 hours
- Easily select high, medium and low sensitivity levels
- Compliant to RoHS, SAE-J1627 and EN14624

**55745**  
 Infrared Refrigerant CO<sub>2</sub> Leak Detector packaged in a zippered carry case



55600-A

NEW

55745



56100

**RAPTOR**  
 REFRIGERANT LEAK DETECTOR

**56100** Raptor Refrigerant Leak Detector

**56200** Raptor Refrigerant Leak Detector with UV Blue Light



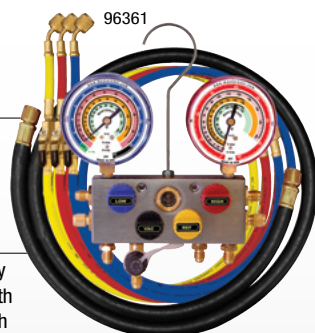
56200

## MANIFOLDS

### R410A, R22 & R404

**96361**

Aluminum 3/8 Bore, 4-Way Manifold, 3 1/8" gauges with 60" nylon barrier hoses with manual ball valves << POPULAR >>



**59861**

Aluminum 3/8" Bore, 3-Way Manifold, 3 1/8" gauges with 60" nylon barrier hoses with manual ball valves

**59661**

Aluminum 3/8" Bore, 2-Way Manifold, 3 1/8" gauges with 60" nylon barrier hoses with manual ball valves

**59161**

Brass 2-Way Manifold, 3 1/8" gauges with 3 - 60" hoses << POPULAR >>



59161

### R410A, R32

**51161** Aluminum 2-Way Manifold, 3 1/8" gauges with 3 - 60" nylon barrier hoses

**51261** Aluminum 3/8" Bore 2-Way Manifold, 3 1/8" gauges with 3 - 60" nylon barrier hoses with manual ball valves << POPULAR >>

### 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 >>

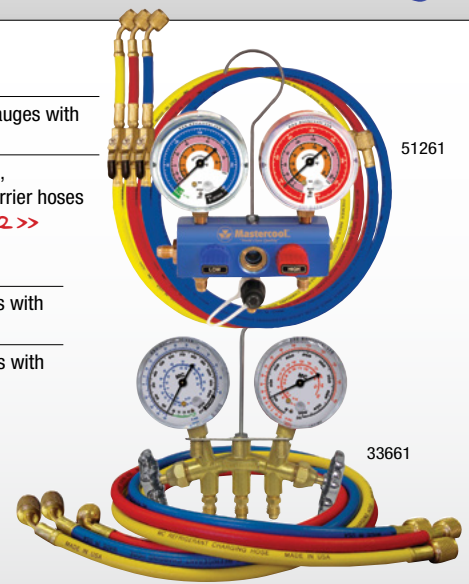


55661-A

NEW

### CO<sub>2</sub> (R744)

**55661-A** 2-Way Piston Valve Manifold, 2 3/4" oil filled gauges with 3 - 60" steel braided hoses



51261

33661



## VACUUM PUMPS



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

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

## 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](http://www.mastercool.com)



30 lb.



50 lb.



Model (without float switch)	<b>62010</b>	<b>63010</b>
<b>over 30% SAVINGS!</b> →	<b>62010-60PK</b> 60 piece (1 pallet)	<b>63010-24PK</b> 24 piece (1 pallet)
	Connection	1/4" FL-M (7/16-20)
Size (w x h) / Tare Weight	9.12 x 17.52"/17.99 lb	12.25 x 18.78"/28.71 lb

## FLUSH

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

- 91051** Total A/C Quick Flush Kit
- 91050-6** 6 Pack - 17 oz. Total A/C Quick Flush Cans



## REFRIGERANT SCALES

- Keypad provides synchronization and zeroing
- Extremely accurate weight sensor
- Magnet on remote for easy placement on fixtures

*Wireless Unit Prevents Unwanted Tangles*

- 98310** Wireless Refrigerant Scale without solenoid
- 98315** Wireless Refrigerant Scale with solenoid



## DIAGNOSTIC TOOLS

- 52230** Pen Type Hygrometer
  - Temperature Range: -4 to 140°F (-20 to 60°C)
  - Accuracy: ±3% from 10 to 95% RH at 77°F (25°C)
- 52233** Digital Psychrometer
  - Temperature Range: -4 to 122°F (-20 to 50°C)
  - Accuracy: RH% 3% at 77°F (25°C)
- 52236** Airflow+ Psychrometer
  - Temperature: -4 to 140°F (-20 to 60°C) / Accuracy: ±1°F (±0.6°C)
  - Air Velocity: 0.3 to 35 m/s (1 to 114 ft/s)



## DIGITAL VACUUM GAUGE

- 98061** Digital Vacuum Gauge (molded case)
- 98061-C** Digital Vacuum Gauge (clamshell)

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



## INFRARED THERMOMETERS

- 52225-MED** Multi-Function Medical/Surface Infrared Thermometer
- 52224-A** Infrared Thermometer (-58 to 1022°F) << PoPULAR >>
- 52224-CC** Infrared Thermometer w/Circular Laser (-76 to 1400°F)
- 52224-D** Multi-Laser Infrared Thermometer



## NITROGEN PRESSURE REGULATOR

- 53010** Pressure Testing Regulator Kit



## BLOWER FANS

- 21200-A** 1200 CFM Blower Fan
  - Moves air up to: 1200 CFM
- 20300-A** 300 CFM Blower Fan
  - Moves air up to: 300 CFM
- 20300-HTR** Heater Attachment for 300 CFM Blower Fan



# 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", and 1 1/8", hydra-swage 71601, small adapter and inner-outer reamer. << POPULAR >>
- 71650-A** Hydra-Swage Tube Expanding Tool Kit to 2 1/8"



## 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, and 1 1/8", hydra-swage 71601, adapter, inner-outer reamer and hydraulic flaring accessory 71680 in blow molded case
- 71676** Complete Hydraulic Flaring & Expanding Kit (10 Head Kit)  
Same as 71675 plus 1 3/8, 1 5/8, 2 1/8" expander heads

## SERVICE TOOLS

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



# TUBING TOOLS

## 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

## 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 1/4, 3/8, 1/2, 5/8, 3/4, 7/8"  
"Only Tool On the Market to Cover up to 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
- 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)
- 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