



2017 HVAC NEW PRODUCTS

69395 HVAC SPARK FREE COMBUSTIBLE GAS RECOVERY MACHINE

COMPATIBLE WITH COMBUSTIBLE GASES



FEATURES & BENEFITS:

- Revolutionary double piston oil-less compressor
- Safety high pressure switch
- Simple internal structure for field service
- Largest volume recovery rate in market
- Injection molded high density polyethylene case for maximum durability
- Front cover has bumper guards built in to reduce damage to the control knobs

SPECIFICATIONS:

- Compatible with all CFC, HCFC and HFC's
- 115 V / 60 Hz
- 1/2 hp Oil-less Compressor
- Operating Temperature: 32 to 122°F
- Weight: 28.3 lbs
- Dimensions: 18" (l) x 10" (w) x 14" (h)
- Case Material is HDPE (High Density Polyethylene)

COMPATIBLE WITH COMBUSTIBLE GASES

mini TWINTURBO[®]

REFRIGERANT RECOVERY MACHINE

69400 115V - 60 Hz



Whether you find yourself up a ladder, in a crawl space or just not looking forward to lugging around a heavy piece of equipment this is the right machine for you. Best of all, this machine has been constructed with the safest spark free component allowing for use with all combustible gases.

SPECIFICATIONS:

- 1/2 HP motor
- Operating Temperature: 0 to 50°C (32 to 122°F)
- Compatible with all CFC, HCFC, HFC's, and Combustible gases
- Weight: 11 kg (24 lbs)
- Dimensions: 11.8" (l) x 7.9" (w) x 10.6" (h)

55661 2-WAY PISTON VALVE MANIFOLD FOR CO2 (R744)



- 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
- Oil filled, class 1% (1A), 2 3/4" gauges
- E-Z to read temperature scales on gauge face
- Solid extruded aluminum body
- Large easy-to-grip-knobs
- 1/4" SAE
- 3 - 60" steel braided hoses
- Packed in plastic carrying case

55744 ELECTRONIC LEAK DETECTOR FOR R744



Mastercool's Electronic Leak Detector for R744 is the most technologically advanced instrument of its kind. The minimal power requirements, small size and high sensitivity combine to create a tool which is easy to handle and ultra-effective at locating even the most difficult to find leaks.

SPECIFICATIONS:

- Operating Temperature: 32 - 122°F (0-50°C)
- Warm Up Time: 10 seconds
- Response Time: < 1 second
- Reset Time: < 1 second
- Sensitivity (High): < 400 ppm at 350 ppm ambient
- Sensitivity (Low): < 4,000 ppm at 350 ppm ambient
- Sensor Lifetime: > 2 years
- Probe Length: 12" (30cm)
- Batteries: 4 x 1.5V 'AA' Alkaline Batteries (6 VDC)
- Battery Life: 20 hours
- Dimensions: 20.3 cm x 6.3 cm x 5.7 cm
- Weight: 15 oz (425 grams) with batteries

55975 IntellaSense III[™]

COMBUSTIBLE GAS LEAK DETECTOR



COMPATIBLE WITH COMBUSTIBLE GASES

Intella Sense III Combustible Gas Leak Detector is packaged in a blow molded case with 2 "C" batteries, leak test vial and replacement filters

SPECIFICATIONS

- Sensing Element: Heated Tin Oxide
- Sensor Life: 2000 hours
- Detects combustible gases (see below)
- Response Time: less than 1 second
- Battery: 2 "C" Alkaline 6000 mAh batteries
- Operating Temperature Range: 0°F to 120°F
- Ultimate Sensitivity: 50 - 1000 ppm

Probe:

- Intelligent tip, with environment sensing element to eliminate the potential of false alarms.
- Flexible 15.5 inch probe length for difficult to reach locations.

Display:

Six vertical LED enabled selectively (red, yellow or green). Displays the following information to the user:

- The relative signal level of the detected leak
- The selected sensitivity range (low/medium or high) of the unit
- Diagnostic information : low battery, interference/wait, contaminated atmosphere readiness of unit or fault conditions of unit

Keypad Controls:

- ON/OFF, Volume/Mute, Sensitivity for High, Medium and Low level selection, Peak button when multiple leaks are suspected

DETECTS: Acetone, Acetylene, Ammonia, Benzene, Butane, Butanol, Chlorine, Ethane, Ethanol, Gasoline, Hexane, Hydrogen, Hydrogen Sulfide, Isobutane, Methane (natural gas), Methanol, Methyl Acetate, Methyl Chloride, Methyl Ether, Naptha, N-Butane, Pentane, Propane, Propanol, Sulfur Dioxide and Trichloroethane

SINGLE STAGE VACUUM PUMPS

- High volume fan provides cool air motor and pump
- Vapor discharge/oil fill port, easily removable, contains internal check valve to prevent escape of liquid oil
- Internal check valve to prevent oil back flow
- Cooling fins to keep temperature cooler during extended motor operation
- Thermally protected motor with on/off rocker switch
- Easily accessible oil drain valve
- Large oil level sight glass with max/min oil level indicator

MODEL	90059-B	90062-B	90066-B	90066-B-SF <i>Spark Free</i>
NO. OF STAGES	1	1	1	1
FREE AIR DISPLACEMENT	1.8 CFM	3 CFM	6 CFM	6 CFM
ULTIMATE VACUUM	80 Microns	80 Microns	80 Microns	80 Microns
MOTOR	1/4 HP	1/4 HP	1/3 HP	1/3 HP
PUMP SPEED	1720 RPM	1720 RPM	1720 RPM	1720 RPM
ELECTRICAL SPECS	110/120 V, 60 HZ	110/120 V, 60 HZ	110/120 V, 60 HZ	110/120 V, 60 HZ
WEIGHT	13.6 lbs	14 lbs	20.5 lbs	20.5 lbs
DIMENSIONS IN CM	30 x 15 x 26	30 x 15 x 26.5	38 x 17 x 27.5	38 x 17 x 27.5



TWO STAGE VACUUM PUMPS

- New U.S. Design
- Stronger Motor
- Field Serviceable
- Cooling Fins to Keep Temperature Cooler During Extended Motor Operation
- Easily Removable Vapor Discharge/Oil Fill Port. Contains Internal Check Valve to Prevent Escape of Liquid Oil
- Manifold Valve Isolates Pump from the System when Testing for Leaks. Includes 3 Inlet Ports, 1/4", 3/8" SAE and 1/2" ACME



MODEL	90063-2V-110-B	90066-2V-110-B	90068-2V-110-B	90612-2V-110-B
NO. OF STAGES	2	2	2	2
FREE AIR DISPLACEMENT	3 CFM	6 CFM	8 CFM	12 CFM
ULTIMATE VACUUM	15 Microns	15 Microns	15 Microns	15 Microns
MOTOR	1/3 HP	1/2 HP	3/4 HP	1 HP
PUMP SPEED	1720 RPM	1720 RPM	1720 RPM	1720 RPM
ELECTRICAL SPECS	110/120 V, 60 HZ	110/120 V, 60 HZ	110/120 V, 60 HZ	110/120 V, 60 HZ
POWER CORD	110 V Cable	110 V Cable	110 V Cable	110 V Cable
WEIGHT / DIMENSIONS IN CM	15.43 lbs / 27 x 15 x 25	24.25 lbs / 37.9 x 16.7 x 27.5	34 lbs / 38 x 18 x 27	35 lbs / 39 x 18 x 27

* PLEASE NOTE: The micron readings on all vacuum pumps represent optimal laboratory conditions. Field conditions may vary from these readings.

52350 THERMAL IMAGING CAMERA

with carry case, 8 gb micro SD card, CD, USB cord, batteries and instructions

- Fully Automatic, Focus Free
- Micro SD Card Storage
- Superior Measurement/Accuracy
- Reporting Software Included

SPECIFICATIONS:

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|-----------------------------|---|--------------------------------|--|
| • Thermal Image Resolution: | 82 x 62 pixels | • LCD Type: | Color |
| • Measurement Range: | -4 to 662°F (-20 to 350°C) | • Image Storage: | Stores up to 20,000 images, BMP format |
| • Accuracy (Tamb=20~26°C): | ±2% of reading, or 4°F (2°C) whichever is greater | • Memory Type: | Support 8G micro SD card |
| • Thermal Sensitivity: | 0.1°F (0.1°C) | • Spectral Range: | 8 to 14 um |
| • Frame Rate: | 9 Hz | • Interface: | USB |
| • Field of View: | 40 x 30 deg | • Battery Type: | (4) AA |
| • Emissivity Range: | 0.95 default – adjustable 0.1 to 1 step .01 | • Battery Life (with backlit): | 3 hrs continuous use |
| • Focus: | Focus free | • Dimensions: | 3.73 x 2.91 x 9.20 inch |
| • LCD (inch): | 2.8" | • Weight: | 13.8 oz |

