



Mastercool[®] Inc.
"World Class Quality"

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ATEX APPROVED PRODUCTS

NEW PRODUCTS

DISCOVER OUR EXTENSIVE RANGE OF PRODUCTS DESIGNED SPECIFICALLY FOR EXPLOSIVE ENVIRONMENTS

Our certified equipment is engineered to eliminate potential ignition sources, including electric sparks, arcs, electrostatic discharges, electromagnetic waves, ionizing radiation, hot surfaces, flames and hot gases, mechanically generated sparks, optical radiation, chemical flame initiation, and compression. To help you comply with the ATEX Directive, Mastercool provides a variety of products—all certified for explosion-proof operation across various protection categories.



CERTIFICATE: ECM 25 ATEX-B 0Q47



ZONE 2 II 3G Ex ec ic nC h IIA T4 Gc



69395-220-ATEX

SPARK FREE TWIN TURBO COMBUSTIBLE GAS RECOVERY MACHINE

Approved For All Air Conditioning Refrigerants Including A2I And A3 Flammable Refrigerants

- Compatible with all CFC, HCFC AND HFC'S
- 1/4" flare fittings
- Largest volume recovery rate in market
- Sealed crank case eliminated refrigerant loss during the recovery process
- Revolutionary double piston oil-less compressor provides fast recovery times
- Large, easy to read 2 1/2" gauges
- Purge valve ensures 100% refrigerant removal from the condenser and the recovery machine
- Large fan and condenser keeps the unit running cooler and speeds up the recovery process
- Safety high pressure switch
- Simple internal structure for field service
- For use with all refrigerants including R410A
- Front cover has bumper guards built in to reduce damage to the control knobs

SPECIFICATIONS:

- 1/2 hp oil less compressor
- Operating temperature: 0 to 50°C (32 to 122°F)
- Weight: 12.84 kg (28.3 lbs) / Dimensions: 45.72 cm (l) x 25.4 cm (w) x 35.56 cm (h) (18" (l) x 10" (w) x 14" (h))
- Case material: HDPE (high density polyethylene)



CERTIFICATE: ECM 25 ATEX-B 0Q45



ZONE 2 II 3G Ex ec ic nC h IIA T4 Gc



90066-220-BLSF-ATEX

BLACK SERIES SPARK FREE 170 LIT/MIN VACUUM PUMP (TWO STAGE) with 440 ml (15 oz) vacuum pump oil

Stands Up To The Most Grueling Conditions

Mastercool's "Black Series" vacuum pumps are durable and time tested to stand up to the most grueling conditions and will provide years of reliable service. This vacuum pump provides the power and mobility necessary for a wide variety of applications.

Approved For All Air Conditioning Refrigerants Including A2I And A3 Flammable Refrigerants

- Refined cartridge machining process creates an improved surface finish extending the longevity of the pump life
- Expanded internal oil path creates less friction and ultimately less heat
- Upgraded seals insure maximum vacuum
- U.S. designed and tested
- Easy grip handle
- Gas ballast valve helps prevent oil contamination caused by high moisture
- Easily removable vapor discharge/oil fill port
- Large oil level sight glass with max/min level indicator
- Easily accessible oil drain valve
- Thermally protected motor with on/off rocker switch
- Manifold valve isolates pump from the system when testing for leaks. Includes 3 inlet ports, 1/4", 3/8" SAE and 1/2" ACME
- High volume fan provides cool air to motor and pump
- Check valve prevents oil back-flow
- Cooling fins keep temperature cooler during extended operation
- Large, light weight reinforced base for stable positioning

SPECIFICATIONS:

- Stages: 2
- Free air displacement: 170 lit/min (60Hz), 142 lit/min (50Hz)
- Ultimate vacuum: 15 microns
- Motor: 1/2 HP
- Pump speed: 1440 RPM
- Electrical specs: 220 V, 50/60 Hz
- Power: 220V cable (schuko)
- Weight: 11.22 kg (24.75 lbs) / Dimensions: 37.9 x 16.7 x 27.5 cm

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



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21200A-ATEX
21200A-220-ATEX
1200 CFM BLOWER FAN

Create A Cooler & Cleaner Air Flow

This versatile product enhances equipment performance by boosting both speed and efficiency, while also helping to prolong its lifespan. Technicians commonly use these units to cool shop equipment like recycling machines and vacuum pumps due to their high air output. Additionally, they've been utilized for tasks such as drying floors, carpets, and paint. By promoting ventilation, it also prevents the buildup of flammable gases in the environment.

- 120 volts, 60 Hz
- Rated power: 2.0 amp
- Moves air up to: 1200 CFM
- For indoor or outdoor use
- 3 speed switch (high, medium, low)
- Built-in overload protection
- (2 pcs) 11 amp built-in grounded receptacles
- Housing material: impact resistant ABS
- 8.5 ft cord length, SJTW 14AWG
- 4-position adjustment feet
- Unit weight: 12 lbs

CERTIFICATE: ECM 25 ATEX-B 0Q44



II 3G Ex ec IIC Gc



1282



55975-ATEX
INTELLA SENSE III COMBUSTIBLE LEAK DETECTOR

comes in a blow molded case with 2 "C" batteries, leak test vial and replacement filters

At the heart of this leak detector is a low power metal oxide gas sensor with superior performance properties such as lower current consumption and sensor longevity. The sensor is characterized by high sensitivity and fast response upon detecting the presence of extremely small levels of chlorofluorocarbon gases. In addition, a powerful microprocessor was integrated into the design that automatically selects the best operating condition for the sensor to ensure optimum performance throughout its life.

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, Sulfer Dioxide and Trichloroethane

SPECIFICATIONS:

- Sensing Element: Heated Tin Oxide
- Sensor Life: 2000 hours
- Refrigerants: Detects combustible gases (see below)
- Response Time: less than 1 second
- Battery: 2 "C" Alkaline 6000 mAh batteries
- Operating Temperature Range: -17.78°C to 48.89°C (0°F to 120°F)
- Ultimate Sensitivity: 50 – 1000 ppm
- Weight: 1.3 kg (3 lbs)
- Dimensions (package): 35.5 x 28 x 20" (14 x 11 x 8")
- Probe:
 - Intelligent tip, with environment sensing element to eliminate the potential of false alarms.
 - Flexible 38 cm (15.5") probe length for difficult to reach locations.
- Display:

Six vertical LED display with enabled selectively (red, yellow or green) to display information to the user such as:

 - 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 the unit or fault conditions of the unit
- Keypad Controls:
 - ON/OFF button (push-on/push-off)
 - Volume/Mute button (high, low or mute)
 - Sensitivity button for High, Medium and Low sensitivity level selection
 - Peak button when multiple leaks are suspected (push enable/disable)

CERTIFICATE: ECM 25 ATEX-B 0Q46



II 3G Ex nA IIA T3 Gc



1282