



Mastercool[®] Inc.
"World Class Quality"

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DUAL EVAP/HIGH PRESSURE DIAGNOSTIC SMOKE MACHINES

Mastercool introduces the newest addition to the line of automotive diagnostic smoke machines the 43065 Dual Evap/High Pressure Diagnostic Smoke Machine and the 43070 Dual Evap/High Pressure Diagnostic Smoke Machine with Truck Adapter Accessory Kit. These units are for evap, turbo/intake and heavy duty truck testing providing a solution to difficult to diagnose automotive leaks. Mobile repairs are now possible as both units include an internal compressor which allows use without the need of shop air while also having the ability to utilize shop air and inert gases. These specifically engineered units allow today's technician to quickly and efficiently locate and repair the complete spectrum of evap, turbo, heavy duty truck, intakes, exhausts, vacuum lines, cooling systems, manifolds, catalytic converters, brake boosters, passenger compartment air, water leaks and much more. The 43065 comes complete with all the adapters for evap low pressure testing and universal high pressure testing capabilities. The 43070 includes all the adapters for evap, high pressure and heavy duty truck testing. Mastercool now offers the professional technician the capability of complete automotive smoke detection testing in a single unit.



SPECIFICATIONS:

- Voltage: 12 VDC
- Input Pressure: Max 100 psi (7 bar)
- Output Pressure:
 - EVAP 12 - 14 inH₂O (30 - 35 mBar)
 - HP internal pump Max 22 psi (150 kPa)
 - HP external pressure source Max 28 psi (190 kPa)
- Safety Pressure Relief: 120 (±5) psi
- Auto Shut-off: 5 minutes
- Oil Fill Line Indicator: 3.4 oz (100 ml (±10 ml))
- Flow Meter: 0 - 0.040 in. (0 - 1.0 mm)
- Power Consumption: Max 6.5 Amps
- Operating Temperature: 0°F to 140°F (-17°C to 60°C)
- Operating Humidity: No Restrictions
- Operating Altitude: No Restrictions
- Vapor Output Hose: 10 feet
- Power Cable: 10 feet
- Pressure Supply: Air/Inert gas/Pump
- Dimensions: 11.8 x 9.5 x 11 in
- Weight: 10.13 lbs (smoke machine only)

FEATURES:

- Compact, heavy duty design for years of reliable service
- Multiple options for smoke injection include built-in internal compressor, shop air and inert gases
- Quick smoke generation
- Built-in safety pressure relief valve
- Built-in pressure regulated at 0.5 PSI for safe EVAP testing
- Large easy to read pressure decay gauge 0-30 in. H₂O (70 mbar) - EVAP
- Large easy to read pressure decay gauge 0-30 psi - HP/HD
- Easy to read and clean flow meter
- Non-toxic and non-corrosive smoke
- 10' 12V power cables with durable clamps
- Heavy duty 10' smoke injection hose
- Velcro strap for hose and power cable storage
- High intensity, battery operated smoke illuminating telescoping flashlight



43065 Dual Evap/High Pressure Diagnostic Smoke Machine

Accessories included: smoke hose, power cord, full set of block off caps, exhaust cone, evap schrader valve remover/installer, evap service port adapter hose, high intensity smoke illuminating battery powered flashlight, 8 oz smoke producing fluid and bladder for intake testing

43070 Dual Evap/High Pressure Diagnostic Smoke Machine with Truck Adapter Accessory Kit

Accessories included: smoke hose, power cord, full set of block off caps, exhaust cone, evap schrader valve remover/installer, evap service port adapter hose, high intensity smoke illuminating battery powered flashlight, 8 oz smoke producing fluid, bladder for intake testing, (2) bladders for heavy duty/truck applications, 6" ring, temperature sensor port adapter, oxygen sensor port adapter and pressure sensor port adapter



OPTIONAL ACCESSORIES

43062

Truck Adapter Diagnostic Smoke Machine Accessory Kit

Accessories included:

- Smoke hose
- (2) bladders for heavy duty/truck applications
- 6" ring
- Temperature sensor port adapter
- Oxygen sensor port adapter
- Pressure sensor port adapter



43062

43060-DW-LG

Diffuser Assembly - Long

For heavy duty truck diagnostic smoke machine

43060-HDBR-9

9" Bladder Ring

For heavy duty truck diagnostic smoke machine

43060-HDLB-9

Large Bladder

For heavy duty truck diagnostic smoke machine

43060-DW-ST

Diffuser Assembly - Short

For EVAP, turbo/intake, dual EVAP/high pressure diagnostic smoke machine



43060-UHA

Heavy Duty/Truck Smoke Machine Universal Cooling System Adapter Kit

Mastercool's heavy duty/truck smoke machine universal cooling system adapter is used with our heavy duty diagnostic smoke machine (43060-HD) or any smoke machine with a standard quick disconnect.

- UNIVERSAL DESIGN will fit most heavy duty radiator and expansion tanks
- EASILY SMOKE TEST any empty cooling system with the use of the universal adapter
- ULTIMATE COVERAGE provided by 3 rubber ring gaskets included in the kit
- SECURE FIT using the simple twist style design



43060-UHA

43060-UTA

High Pressure/Turbo Smoke Machine Universal Cooling System Adapter Kit

Mastercool's high pressure/turbo smoke machine universal cooling system adapter is used with diagnostic smoke machines.

- UNIVERSAL DESIGN will fit most automotive radiators and expansion tanks
- EASILY SMOKE TEST any empty cooling system with the use of the universal adapter
- RUBBER HOSE FITTING on adapter will connect to most diagnostic smoke machines
- ULTIMATE COVERAGE provided by 3 rubber ring gaskets included in the kit
- SECURE FIT using the simple twist style design



43060-UTA