



**Mastercool**® Inc.  
"World Class Quality"

**Test Equipment  
Depot**  
1-800-517-8431

5 Commonwealth Ave  
Woburn, MA 01801  
Phone 781-665-1400  
Toll Free 1-800-517-8431

Visit us at [www.TestEquipmentDepot.com](http://www.TestEquipmentDepot.com)

## DIAGNOSTIC SMOKE MACHINES

Mastercool introduces the newest line of automotive diagnostic smoke machines for evap, turbo/intake and heavy-duty truck testing providing a solution to difficult to diagnose automotive leaks. These specifically engineered units allow today's technician to quickly and efficiently locate and repair a wide variety of evap, turbo, heavy-duty truck, intakes, exhausts, vacuum liners, cooling systems, manifolds, catalytic converters, brake boosters, passenger compartment air, water leaks and much more. Mobile repairs are now possible as the technician isn't required to be in the shop to access shop air (evap and turbo/intake only.) All machines include a complete accessory kit for a wide range of diagnostic leak testing.



### 43060-EV SPECIFICATIONS:

- Voltage: 12 VDC
- Input Pressure: Max 100 psi (8.2 bar)
- Output Pressure: 12 – 14 inH<sub>2</sub>O (30 – 35 mBar)
- 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)
- Dimensions: 11.8 x 8.1 x 11 in (300 x 205 x 280 mm)
- Weight: 11.9 lbs (5.4 Kg)  
(Shipping Weight: 20 lbs (9 Kg))
- 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

### 43060-EV EVAP DIAGNOSTIC SMOKE MACHINE

For all evap, intake, exhaust, vacuum lines and vacuum components, passenger compartment window and sunroof, headlight/tail-light fixtures and much more. This unit provides the option of compressed air, inert gases and a built-in internal compressor to inject the smoke into the system.

Accessories included: full set of block off caps, exhaust cone, evap schrader valve remover/installer, evap service port adapter hose (green cap), high intensity smoke illuminating battery powered flashlight and 8 oz smoke producing fluid

#### 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. H<sub>2</sub>O (70 mbar)
- 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



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## DIAGNOSTIC SMOKE MACHINES



### 43060-HD SPECIFICATIONS:

- Voltage: 12 VDC
- Input Pressure: Max 100 psi (8.2 bar)
- Output Pressure: Max 28 psi (190 kPa)
- Safety Pressure Relief: 120 (±5) psi
- Oil Fill Line Indicator: 3.4 oz (100 ml (±10 ml))
- Flow Meter: 0 - 0.040 in. (0 - 1.0 mm)
- Dimensions: 11.8 x 8.1 x 11 in (300 x 205 x 280 mm)
- Weight: 11.5 lbs (5.2 Kg)  
(Shipping Weight: 22 lbs (10 Kg))
- 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

### 43060-HD HEAVY DUTY TRUCK DIAGNOSTIC SMOKE MACHINE

For all HD truck intakes, exhaust, vacuum lines and components, cabin air and water leaks and much more. Not for EVAP testing

Accessories included: two large inflatable block-off bladders with safety chains, 6" rigid smoke stack ring, pressure sensor port adapter, oxygen sensor port adapter, temperature sensor port adapter, high intensity battery powered smoke illuminating flashlight and 8 oz smoke producing fluid

#### FEATURES:

- Compact, heavy-duty design for years of reliable service
- Operates on shop air or inert gas
- Quick smoke generation
- Built-in safety pressure relief valve
- Pressure can be regulated from 0 to 28 PSI
- Large easy to read pressure decay gauge 0 to 30 PSI
- 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

#### AVAILABLE ACCESSORIES:

**43060-DW-LG** Diffuser Assembly - Long

**43060-HDBR-9** 9" Bladder Ring

**43060-HDLB** Large Bladder for Heavy-Duty Truck





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## DIAGNOSTIC SMOKE MACHINES



### 43060-TB SPECIFICATIONS:

- Voltage: 12 VDC
- Input Pressure: Max 100 psi (8.2 bar)
- Output Pressure:  
Internal Pump Max 22 psi (150 kPa)  
External Pressure Source Max 28 psi (190 kPa)
- Safety Pressure Relief: 120 (±5) psi
- Oil Fill Line Indicator: 3.4 oz (100 ml (±10 ml))
- Flow Meter: 0 - 0.040 in. (0 - 1.0 mm)
- Dimensions: 11.8 x 8.1 x 11 in (300 x 205 x 280 mm)
- Weight: 11.5 lbs (5.2 Kg)  
(Shipping Weight: 22 lbs (10 Kg))
- 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

### 43060-TB TURBO/INTAKE DIAGNOSTIC SMOKE MACHINE

For all turbo, intakes, exhaust, vacuum lines and vacuum components, manifolds, passenger compartment window and sunroof, headlight/tail-light fixtures and much more. Not for EVAP testing. This unit provides the option of compressed air, inert gases and a built-in internal compressor to inject the smoke into the system.

Accessories included: inflatable intake bladder, full set of block off caps, exhaust cone, high intensity battery powered smoke illuminating flashlight and 8 oz smoke producing fluid

#### 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
- Pressure can be regulated from 0 to 28 PSI
- Large easy to read pressure decay gauge 0 - 30 PSI
- 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

#### AVAILABLE ACCESSORIES:

**43060-DW-ST** Diffuser Assembly - Short



43060-DW-ST