

All-in-One Diagnostic Smoke® Machine

OEM-Approved - Tests Both EVAP and Boosted Systems



218-WV711-PLUS

All Purpose Design

- Test with preset pressure for safe EVAP leak testing. (13 In. H₂O / 32.4 mbar)
- Test elsewhere with variable pressure at ranges from 3 to 20 p.s.i. (0.2 bar to 1.4 bar)
All from the same portable machine.

All Safety Compliance

- The only smoke technology that can be used with nitrogen for safer EVAP testing as required in U.S. by the EPA, in Europe by major liability insurance companies, and as recommended Internationally by SAE peer-reviewed published papers
- Built in safety features prevent high pressure in EVAP system.

All Digital Display

- Pressure and Decay Test positive & negative* pressure
- Flow Test
- Pulsing Low Flow Selection in EVAP mode to reduce smoke flow.

*Negative Pressure in EVAP mode only

All System Testing

- Cooling
- Crankcase and PCV
- Differential
- Gear Box
- EGR
- Exhaust
- Aftertreatment
- EVAP
- Induction:
 - Normally aspirated
 - Turbocharged
 - Supercharged
- Passenger Compartment
- wind noise
- water leaks
- Ride Control (pneumatic)
- Vacuum Control
- **ANY** system or component that can be sealed

All Visual Aids

Smoke and dye - UltraTrace^{UV}® Diagnostic Smoke® Vapor Solution with UV dye is the industry standard.

Model 218-WV711-PLUS *Order today at* www.onerotunda.com
1-800-ROTUNDA (768-8632) Option #2

Technical Specifications

- ▶ Dimensions
h: 14.5" (36.8 cm)
w: 13.75" (34.9 cm)
d: 10" (25.4 cm)
- ▶ Weight
20 pounds (9 kg)
- ▶ Power
12-24 Volts DC
Optional 110-240V AC power converter
- ▶ Inlet Pressure
50-175 psi (3.4 – 12 bar)
- ▶ Inlet Gas Source
Workshop Compressed Air
Any Inert Gas Source (such as Nitrogen) for safer EVAP Testing
- ▶ Output Pressure
 - EVAP: 13" H2O (0.32 bar)
 - High Pressure: 3-20 psi (0.21 bar to 1.38 bar)
- ▶ Flow Rate
 - Standard rate: 8-20 Liters Per Minute (LPM)
 - Low Flow rate: 2 Liters Per Minute



Technology Features

- Contaminant-free and non-permanent UltraTraceUV® dye solution. Marks the exact leak spot; essential for small or hidden leaks, and high pressure testing.
- Easy Digital Pressure Setting
No need to fumble with analog regulators.
- Advanced Smoke Producing Technology
Automatically delivers densest smoke vapor, regardless of pressure setting - Smart Pressure™
- Selection Modes
Pressure in PSI or bar; **Vacuum** (IWC); **Flow L/M**; Quantifies and displays **EVAP Leak Size** - each displayed with digital accuracy.
- Verify system integrity or validate repair with pressure decay test.
- Wireless Remote
Operate machine or select mode from anywhere around vehicle.
- Self-Calibrating with every Power-on Self-Test

Three Ways to See the Leak

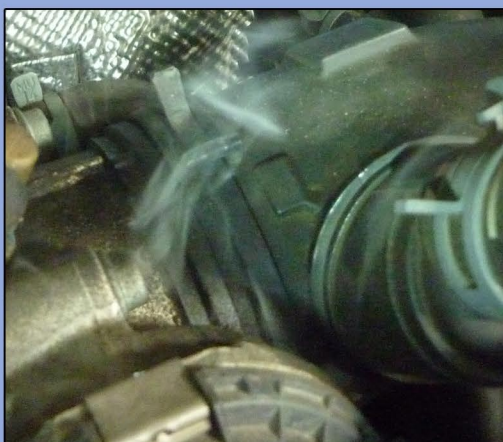
White light highlights the smoke



Laser light is reflected by the smoke vapor



UV light sees the dye trace



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