

SUPPLIED BY: **WORLDWIDE VAPOR INC.**

VACUTEC® SMOKE MACHINE FUEL EVAP EMISSIONS SYSTEM TESTER WITH BUILT-IN NITROGEN GENERATOR

Utilizing the most advanced patented technology, the VACUTEC® 522-B is the most comprehensive, yet simple to operate Evaporative Emissions System (EVAP) tester available today. It meets all Ford engineering standards for leak-testing flex fuel as well as conventional gasoline vehicles.

The VACUTEC® 522-B is the industry's first EVAP system tester with a patented integrated onboard PSA nitrogen generator. Simply connect the VACUTEC® 522-B to compressed air (shop air) and the machine automatically converts the air to high-purity nitrogen, never running out of nitrogen. The tester's special Diagnostic Smoke™ vapor is always delivered to the vehicle in a safe inert medium. Its high nitrogen purity is guaranteed due to its computer controlled nitrogen-purity monitor.

A two-minute pass/fail test quickly quantifies the size of the leak. The tester also has a unique vacuum-delay feature as well as pressure-delay capabilities in order to identify leaks that may leak under vacuum but not under pressure and vice versa. Finding the leaks is simple. Introduce the special non-toxic Diagnostic Smoke® vapor into the system to be tested. Then simply look for the exiting smoke or the fluorescent dye deposited at the exact location of the leak(s).

USES:

- Approved for flex fuel and conventional fuel EVAP testing.
- Also finds leaks in induction systems, under-dash vacuum systems, exhaust and EGR systems, throttle bodies, unfiltered and unmetered air systems, wind and water leaks and much more.
- Tests all low pressure closed system leaks.

FEATURES:

- Smoke and fluorescent dye identifies the leak(s). Is user refillable.
- Built-in nitrogen generator always delivers smoke with high-purity nitrogen.
- Uses Pressure Swing Absorption (PSA) nitrogen technology.
- Two-minute pass/fail test quickly verifies 0.040 and 0.020 EVAP leaks (capable of verifying leaks much smaller).
- Built-in "future" in the event future leak standards change.
- Performs vacuum-delay test.
- Performs pressure-delay test.
- Quickly finds dozens of other types of leaks.
- All tests are performed with the engine off.
- Saves hours of diagnostic time.
- Eliminate costly comebacks.
- Over 500 tests per solution refill.
- 100% effective.
- Power supply: 120 volts, 60 Hz
- STAR OEM EVAP-approved technology.



218-00015

SPECIFICATIONS:

- **Height:** 39" (99 cm)
- **Width:** 20" (50.8 cm)
- **Depth:** 27" (68.6 cm)
- **Weight:** 100 lbs. (45.45 kg)
- **Ship weight:** 105 lbs. (47.6 kg)
- **Supply pressure:** 13.0" H₂O (0.032 bar)
- **Operation temperature range:** 45 – 140° F (7.2 – 60° C)
- **Power supply:** 120 volts AC 60 Hz
- **Smoke supply line:** 12' (3.66 m)
- **Power supply line:** 10' (3 m)
- **Remote control cable:** 10' (3 m)
- **Amperage usage:** 6.5 amps
- Uses shop air (automatically converts to nitrogen)

ITEMS:

218-00015 EVAP Tester

ACCESSORIES INCLUDED WITH THE 218-00015:

218-00003 Exhaust cone adapter
 218-00004 Assorted cap plugs
 218-00005 Diffuser for wind and water leak testing
 218-00007 OBD II EVAP service port adapter (standard size)
 218-00008 400,000 CP halogen spotlight with 20' cord
 218-00011 (1) additional UltraTraceUV® UV-activated fluorescent solution (tester arrives full)
 218-00012 OBD II EVAP service port adapter, small size

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VACUTEC® SMOKE MACHINE LEAK TESTERS WITH PORTABLE INERT GAS PACK

If your shop is looking for a simple, basic smoke-based leak detector to perform EVAP, vacuum, exhaust, wind/water and other closed system leak tests and you don't need the full diagnostic feature design of the Rotunda 218-00015 (Vacutec® 522-B), as seen on adjacent page, then the Rotunda 218-00028 or 218-00029 is for you. See feature comparison chart on this page to help decide among models.

The Inert Gas Pack provided was designed for moderate volume EVAP leak tests. Liquid CO2 lasts much longer than if the same cylinder was filled with only gas, and so one full cylinder performs about 25 EVAP tests. The cylinders, including spare cylinders, are inexpensive to refill at most paintball or gas supply merchants. Both basic machines can also connect to large high pressure Nitrogen or Argon cylinders, as well as shop air for non-EVAP leak tests.

BENEFITS:

- Approved for flex fuel and conventional fuel EVAP testing when used with the Inert Gas Pack.
- Also finds leaks in induction systems, under-dash vacuum systems, exhaust, throttle bodies, unfiltered and unmetered air systems, wind and water leaks and much more.
- Tests most low pressure, closed system leaks.

Feature Comparison Chart	218-00028 Standard	218-00029 Enhanced	218-00015
Two-year warranty. Second year offered for 218-00015 for small fee.	x	x	x
OEM approved. Licensed/patented STAR technology.	x	x	x
Ultra TraceUV®. Deposits UV dye at exact locations of leak.	x	x	x
Free 2nd refill of Ultra TraceUV®. Approximately 2 years of testing. User refillable.	x	x	x
Works with shop air or inert gas. 218-00015 always delivers N2.	x	x	x
Automatic safety valve. Shuts off when machine turns off.	x	x	x
Auto pressure setting for EVAP.	x	x	x
Field calibratable.	x	x	x
Full range flow meter.	x	x	x
Approved for flex-fuel vehicles. Two models approved for Inert Gas Pack.*	x*	x*	x
Full-feature design includes:			
Calibration for .020" orifice		x	x
Calibration for .040" orifice		x	x
Upgradeable for future .010" orifice		x	x
Phase-one and phase-two test modes.		x	x
Built-in PSA nitrogen generator.			x
Vacuum and pressure-decay.			x
Electronic touch pad controls.			x



SPECIFICATIONS:

- **Height:** 17" (43.2 cm)
- **Width:** 8" (20.3 cm)
- **Length:** 15" (38.1 cm)
- **Weight:** 23 lbs. (10.4 kg)
- **Shipping weight:** 26 lbs. (11.8 kg)
- **Power supply:** 12 volt DC
- **Power consumption:** 12 amps
- **Supply pressure:** 13.0" H2O
- **Supply volume:** 10 liters per minute
- **Operating temperature range:** 45 – 140° F (7.2 – 60° C)
- **Smoke supply line:** 10' (3 m)
- **Power supply line:** 10' (3 m)
- **Remote starter cable:** 10' (3 m)

ACCESSORIES INCLUDED :

- 218-00011 (1) additional UltraTraceUV® UV-activated fluorescent solution (tester arrives full)
- 218-00007 EVAP service port adapter (standard size)
- 218-00014 Schrader removal/install tool
- 218-00003 Exhaust cone
- 218-00004 Assorted cap plugs set
- 218-00008 Halogen spotlight

ADDITIONAL ACCESSORIES INCLUDED WITH 218-00029:

- 218-00003 (1) additional exhaust cone
- 218-00012 EVAP service port adapter
- 218-00005 Smoke diffuser

BRAKE SERVICE

CLIMATE CONTROL SERVICE

COLLISION REFINISHING

COLLISION REPAIR

FACILITY

FLUID HANDLING

GENERAL SHOP EQUIPMENT

LIFTING EQUIPMENT

PARTS STORAGE

POWERTRAIN SERVICE

SHOP FURNITURE

STARTING AND CHARGING SYSTEMS

VEHICLE DETAILING

VEHICLE DIAGNOSTICS

WHEEL SERVICE