

**ROTUNDA****1-800-ROTUNDA****www.fordrotunda.com****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
- 218-00034** One additional 16 oz. UltraTraceUV® UV-activated fluorescent solution included (Tester arrives full)
- 218-00012** OBD II EVAP service port adapter (small size)

SUPPLIED BY: WORLDWIDE VAPOR INC.

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 218-00036 or 218-00035 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	218-00036 Standard	218-00035 Enhanced	218-00015 Full Features
Find leaks with smoke and dye. UltraTraceUV® deposits UV dye at exact location of a leak.	x	x	x
Two UltraTraceUV® solution bottles included; enough to perform hundreds of tests.	x	x	x
Two-year warranty. Second year offered for the 218-00015 for a fee.*	x	x	x*
OEM-approved. Licensed/patented STAR technology.	x	x	x
Will not damage EVAP systems, engine sensors or void factory warranty.	x	x	x
Auto EVAP pressure setting.	x	x	x
Works with shop air or inert gas. (218-00015 always delivers nitrogen)	x	x	x
Auto Shut Off Safety Solenoid; prevents gasoline fumes from exiting EVAP system after machine turns off.	x	x	x
Approved for flex-fuel vehicle EVAP testing. When used with Inert Gas Pack, supplied, or other inert gas.*	x *	x *	x
Full range flow meter.		x	x
Variable smoke flow control.		x	
Calibrates for .020"/.040" and can detect leaks of .010"		x	x
Can detect up to zero leak.			x
Built-in PSA nitrogen generator always delivers pure nitrogen.			x
Vacuum and pressure-decay.			x
Electronic touch pad controls.			x



218-00035



218-00036

SPECIFICATIONS:

- **Height:** 13-1/2" (34 cm)
- **Width:** 9" (23 cm)
- **Length:** 13" (33 cm)
- **Weight:** 23 lbs. (10.4 kg)
- **Shipping weight:** 13-1/2 lbs. (6.1 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)

ACCESSORIES INCLUDED:

- 218-00039** Two 12 oz. bottles of UltraTraceUV® UV-activated fluorescent solution included
- 218-00007** EVAP service port adapter (standard size)
- 218-00014** Schrader removal/install tool
- 218-00003** Exhaust cone
- 218-00004** Assorted cap plugs set
- 218-00033** Inert gas pack kit
- 218-00005** Smoke diffuser
- 218-00037** Large adapter cone
- 218-00038** Combination white/UV light with laser