

No. WV711 Smart Pressure Diagnostic Smoke Machine by Vacutec

Smoke machines have become essential tools for evap leaks but, as we've seen, they're also being redesigned, and used with adapters, for a variety of other automotive leak detection functions. As turbocharged engines become more common because of their potential for a combination of increased performance and better fuel economy, the need to identify high-pressure leakage in them has arisen, and smoke machines are a logical choice. However, at high pressures the smoke tends to thin out and leaks become more difficult to find.

The No. WV711 Smart Pressure Diagnostic Smoke Machine takes a two-pronged approach: First, it incorporates a digital microprocessor that automatically maintains the densest smoke possible at any selected pressure up to 43.5 psi, which increases the visibility of the smoke stream. Second, it incorporates an ultraviolet dye that deposits a trace at the lo-



sation of the leak. The machine runs with shop air or any inert gas, such as nitrogen. It also calculates leak rates from its measurement of flow rate during pressure decay testing. ([www.vacutec.com/circle #116](http://www.vacutec.com/circle_#116))