






Halogenated Leak Detector Options

Recently, the Environmental Protection Agency (EPA) amended the federal standard for dry cleaners (40 CFR Part 63, Subpart M). The amendment established several new requirements, one of which is that all dry cleaners must conduct monthly inspections for perchloroethylene (PCE) leaks, using a halogenated hydrocarbon detector or PCE gas analyzer. Dry cleaners may use any brand of halogenated hydrocarbon leak detector for the monthly monitoring provided they can demonstrate it meets the requirements of the rule, “portable device capable of detecting vapor concentrations of PCE of 25 parts per million by volume (ppmv) and indicating a concentration of 25 ppmv or greater by emitting an audible or visual signal that varies as the concentration changes.” Facilities are required to repair vapor leaks detected within 24 hours unless parts must be ordered. Dry cleaning machines installed before December 21, 2005 must be in compliance with the new standard as of July 28, 2008. Any machines installed after December 21, 2005 must be in compliance upon startup.

Based on information provided by the California Air Resources Board and leak detector manufacturers, the following units are expected to meet EPA guidelines. This is not an endorsement. Please note that this is not an extensive list. Further research is recommended to find the best leak detector for your dry cleaning facility. The first four detectors below are available for ± \$200. The Aeroqual detector is available for ± \$800.

Product	Manufacturer	Model	Sensitivity
	Inficon Inc	Tek-Mate	<25 ppm
	Inficon Inc	The Compass	<25 ppm
	Nova Systems Products	BOLO Green	5 ppm
	TIF Instruments	TIF8800A	1 ppm
	Aeroqual	Aeroqual 200	1 ppm