

Fact Sheet: Respirators to Fit Test with Irritant Smoke

Respirator Type	OSHA Accepted for Irritant Smoke Fit Test*
Half Face Mask negative pressure, APR (100 fit factor)	Yes
Full Face Mask negative pressure, APR (100 fit factor) used in atmospheres up to 10 times the PEL	Yes
Powered Air Purifying Respirator (PAPR)	Yes
Supplied-Air Respirator (SAR) used in positive pressure (pressure demand mode); IDLH atmospheres	Yes
Self Contained Breathing Apparatus (SCBA) used in positive pressure (pressure demand mode); structural firefighting; IDLH atmospheres	Yes
Disposable Particulate Respirators: (N100) - filters at least 99.7% of airborne particles. Not resistant to oil (R100) - filters at least 99.7% of airborne particles. Somewhat resistant to oil (P100) - filters at least 99.7% of airborne particles. Strongly resistant to oil	Yes
Mouth Bit Respirators	Fit Testing Not Required
Loose Fitting Respirators e.g. hoods, helmets	Fit Testing Not Required

* Adapted from OSHA Compliance Directive, CPL 2.120 Inspection Procedures for the Respiratory Protection Standard, Sept. 18, 1998.