

# Respirator Cartridges

42 CFR Part 84 Compliant Cartridges from MSA



MSA Cartridge Designation	Threaded Type Cartridges/P/N	Bayonet Type Cartridges/P/N	Color Coding	OV Organic Vapor	CL Chlorine	SD Sulfur Dioxide	CD Chlorine Dioxide	HC Hydrogen Chloride	HS Hydrogen Sulfide	AM Ammonia	MA Methylamine	FM Formaldehyde	HF Hydrogen Fluoride	MV Mercury Vapor	P100	R95	N95	P95	See Notes Below
Organic Vapor (GMA)	464031 No. in pkg. 10	815355 No. in pkg. 2																	2,3,5
Organic Vapor/P100 (GMA)	815178 No. in pkg. 6	815362 No. in pkg. 2																	2,3,4
Organic Vapor/P100 Short Stack (GMA)	815186 No. in pkg. 6	—																	2,3,4
Acid Gas (GMB)	464032 No. in pkg. 10	815356 No. in pkg. 2																	2,5
Acid Gas/P100 (GMB)	815179 No. in pkg. 6	815363 No. in pkg. 2																	2,4
Organic Vapor/Acid Gas (GMC)	464046 No. in pkg. 10	815357 No. in pkg. 2																	2,3,5
Organic Vapor/Acid Gas/P100 (GMC)	815180 No. in pkg. 6	815364 No. in pkg. 2																	2,3,4
Organic Vapor/Acid Gas/P100 Short Stack	815188 No. in pkg. 6	—																	2,3,4
Ammonia/Methylamine (GMD)	464033 No. in pkg. 10	815358 No. in pkg. 2																	2,3,5
Ammonia/Methylamine/P100 (GMD)	815181 No. in pkg. 6	815365 No. in pkg. 2																	2,3,4
Multigas (GME)	492790 No. in pkg. 10	815359 No. in pkg. 2																	2,3,5
Multigas/P100 (GME)	815182 No. in pkg. 6	815366 No. in pkg. 2																	2,3,4
Iodine Vapor/P100 (GMI)	815184* No. in pkg. 6	815641* No. in pkg. 2																	2,4
Chlorine/Mercury Vapor/P100 (Mersorb)	815185 No. in pkg. 6	815368 No. in pkg. 2																	2,4
Low Profile / Sparkfoe® P100	10153412 No. in pkg. 16	—																	1,4
Sparkfoe® P100	815176 No. in pkg. 10	—																	1,4
Low Profile P100	815177 No. in pkg. 10	815369 No. in pkg. 2																	1,4
Prefilter & Cover N95	• 816662 N95 qty:10 • 816661 N95 qty:50 • 489353 Reusable snap-on cover No. in pkg. 1 (2 req.)	• 815394 N95 qty:10 • 815357 N95 qty:50 • 815392 Reusable snap-on cover No. in pkg. 2 (2 req.)																	1
Prefilter & Cover R95	• 816287 R95 qty:20 • 489219 R95 Reusable snap-on cover No. in pkg. 1 (2 req.)	• 815397 R95 qty:20 • 815401 R95 Reusable snap-on cover No. in pkg. 2 (2 req.)																	1
Flexi-Filter® Pads for Advantage Respirators P100	818342 Flexi-Filter P100 818343 Flexi-Filter P100 with Nuisance Level OV, Ozone Removal 818344 Flexi-Filter P100 with Nuisance Level AG, HF Remo																		1,4
Flexi-Filter Pads for Advantage Respirators P95	818354 Flexi-Filter P95 818355 Flexi-Filter P95 with Nuisance Level OV Removal 10063227 Flexi-Filter P95, NIOSH Approved for HF																		1,5
Flexi-Filter Pad for Advantage Respirators N95	818346 Flexi-Filter N95 818347 Flexi-Filter N95 with Nuisance Level OV and Ozone Removal																		1,5



\* Effective against, but not NIOSH approved for Iodine Vapor.

### Notes

- Do not use in atmospheres containing less than 19.5 percent oxygen, in atmospheres containing gases or vapors or in atmospheres immediately dangerous to life and health.
- Do not use in atmospheres containing less than 19.5 percent oxygen, or in atmospheres immediately dangerous to life and health.
- Do not wear for protection against organic vapors with poor warning properties or those which generate high heats of reaction with the sorbent material in the cartridge.
- 99.97 percent efficient against 0.3 micron DOP.
- Both a prefilter and cover must be used with the cartridge in order to obtain R95 or N95 particulate protection.

### Definitions

**N95-Particulate Filter (95% filter efficiency level)** effective against particulate aerosols free of oil; time use restrictions may apply.  
**R95-Particulate Filter (95% filter efficiency level)** effective against all particulate aerosols; time use restrictions may apply.  
**P100-Particulate Filter (99.97% filter efficiency level)** effective against all particulate aerosols.



### WARNING

An appropriate cartridge change-out schedule must be developed by a qualified professional, unless the cartridge/canister utilizes an end-of-service-life indicator. The change-out schedule must take into account all factors that may influence respiratory protection including specific work practices and other conditions unique to the worker's environment. If using against substances having poor warning properties, there is no secondary means of knowing when to replace the cartridges/canister. In such cases, take appropriate additional precautions to prevent overexposure, which may include a more conservative change-out schedule or using an air-supplied respirator or SCBA. Failure to follow this warning can result in serious personal injury or death. As a reference, below is a partial list of substances having poor warning properties:

Acrolein	Methanol	Phosgene
Aniline	Methyl bromide	Phosphine
Arsine	Methyl chloride	Phosphorus trichloride
Bromine	Methylene chloride	Stibine
Carbon monoxide	Nickel carbonyl	Sulfur chloride
Diisocyanates	Nitric acid	Urethane or other diisocyanate-containing paints
Dimethyl sulfate	Nitro compounds	Vinyl chloride
Hydrogen cyanide	Nitrogen oxides	
Hydrogen selenide	Nitroglycerin	
	Nitromethane	