

Bayonet-Style Respirator Cartridges

The Advantage Respirator line of particulate, chemical and combination cartridges is NIOSH-certified to 42 CFR, Part 84, and provides lightweight, low-profile performance. Cartridges fit Advantage 200 LS, and 420 Half-Masks, 1000, 3000, and 4000 Series Full-Facepiece Respirators.

MSA Cartridge Description	Re-Order Part Number	Color Coding	Acid Gases													Filter Type & Efficiency			See Notes below
			Organic Vapor	Chlorine	Sulfur Dioxide	Chlorine Dioxide	Hydrogen Chloride	Hydrogen Sulfide*	Ammonia	Methylamine	Formaldehyde	Hydrogen Fluoride	Mercury Vapor	P100	R95	N95			
GMA	815355																		2,3
GMA with N95 Prefilter	815355 with 815394 or 816357																		2,3
GMA with R95 Prefilter	815355 with 815397																		2,3
GMA P100	815362																		2,3,4
GMB	815356																		2
GMB with N95 Prefilter	815356 with 815394 or 816357																		2
GMB with R95 Prefilter	815356 with 815397																		2
GMB P100	815363																		2,4
GMC	815357																		2,3
GMC with N95 Prefilter	815357 with 815394 or 816357																		2,3
GMC with R95 Prefilter	815357 with 815967																		2,3
GMC P100	815364																		2,3,4
GMD	815358																		2,3
GMD with N95 Prefilter	815358 with 815394 or 816357																		2,3
GMD with R95 Prefilter	815358 with 815397																		2,3
GMD P100	815365																		2,3,4
GME	815359																		2,3
GME with N95 Prefilter	815359 with 815394 or 816357																		2,3
GME with R95 Prefilter	815359 with 815397																		2,3
GME P100	815366																		2,3,4
GMI P100**	815641																		2,4
Mersorb® Cartridge	815361																		2,4
Mersorb with N95 Prefilter	815361 with 815394 or 816357																		2,4
Mersorb with R95 Prefilter	815361 with 815397																		2,4
Mersorb P100	815368																		2,4
Low-Profile P100	815369																		1,4

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:

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.			
<i>* Escape only.</i>			
<i>** Effective against, but not NIOSH-approved for iodine vapor.</i>			
	Acrolein	Hydrogen cyanide	Nitric acid
	Aniline	Hydrogen selenide	Nitro compounds
	Arsine	Methanol	Nitrogen oxides
	Bromine	Methyl bromide	Nitroglycerin
	Carbon monoxide	Methyl chloride	Nitromethane
	Diisocyanates	Methylene chloride	Phosgene
	Dimethyl sulfate	Nickel carbonyl	Phosphine
			Phosphorus trichloride
			Stibine
			Sulfur chloride
			Urethane or other diisocyanate-containing paints
			Vinyl chloride

- 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.

Note: This bulletin contains only a general description of the products shown. While uses and performance capabilities are described, under no circumstances shall the products be used by untrained or unqualified individuals and not until the product instructions including any warnings or cautions provided have been thoroughly read and understood. Only they contain the complete and detailed information concerning proper use and care of these products.

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