

Bayonet-Style Respirator Cartridges

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

MSA Cartridge Description	Re-Order Part Number	Color Coding	Acid Gases											Filter Type & Efficiency See Definitions below			See Notes below																													
			Organic Vapor	Chlorine	Sulfur Dioxide	Chlorine Dioxide	Hydrogen Chloride	Hydrogen Sulfide*	Ammonia	Methylamine	Formaldehyde	Hydrogen Fluoride	Mercury Vapor	P100	R95	N95																														
Organic Vapor (GMA)	815355																		2,3																											
Organic Vapor w/N95 Prefilter (GMA)	815355 w/815394 or 816357																		2,3																											
Organic Vapor w/R95 Prefilter (GMA)	815355 w/815397																		2,3																											
Organic Vapor/P100 (GMA)	815362																		2,3,4																											
Acid Gas (GMB)	815356																		2																											
Acid Gas w/N95 Prefilter (GMB)	815356 w/815394 or 816357																			2																										
Acid Gas w/R95 Prefilter (GMB)	815356 w/815397																		2																											
Acid Gas/P100 (GMB)	815363																		2,4																											
Organic Vapor/Acid Gas (GMC)	815357																		2,3																											
Organic Vapor/Acid Gas w/N95 Prefilter (GMC)	815357 w/815394 or 816357																			2,3																										
Organic Vapor/Acid Gas w/R95 Prefilter (GMC)	815357 w/815967																		2,3																											
Organic Vapor/Acid Gas/P100 (GMC)	815364																		2,3,4																											
Ammonia/Methylamine (GMD)	815358																		2,3																											
Ammonia/Methylamine w/N95 Prefilter (GMD)	815358 w/815394 or 816357																		2,3																											
Ammonia/Methylamine w/R95 Prefilter (GMD)	815358 w/815397																	2,3																												
Ammonia/Methylamine/P100 (GMD)	815365																	2,3,4																												
Multigas (GME)	815359																		2,3																											
Multigas w/ N95 Prefilter (GME)	815359 w/815394 or 816357																		2,3																											
Multigas w/R95 Prefilter (GME)	815359 w/815397																	2,3																												
Multigas/P100 (GME)	815366																	2,3,4																												
Iodine Vapor/P100 (GMI)	815641																	2,4																												
Chlorine/Mercury Vapor (Mersorb)	815361																	2,4																												
Chlorine/Mercury Vapor w/N95 Prefilter (Mersorb)	815361 w/815394 or 816357																		2,4																											
Chlorine/Mercury Vapor w/ R95 Prefilter (Mersorb)	815361 w/815397																		2,4																											
Chlorine/Mercury Vapor/P100 (Mersorb)	815368																	2,4																												
Low-Profile P100	815369																	1,4																												
N95 Snap-On Prefilter and Cover	815394 Pack of 10 816357 Box of 50 815392 Reusable Snap-On Cover, 2 in a Package		⚠ WARNING																																											
R95 Snap-On Prefilter and Cover	815397 Box of 20 815401 Reusable Snap-On Cover, 2 in a Package		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			<p>N95-Particulate Filter (95% filter efficiency level) effective against particulate aerosols free of oil; time use restrictions may apply.</p> <p>R95-Particulate Filter (95% filter efficiency level) effective against all particulate aerosols; time use restrictions may apply.</p> <p>P100-Particulate Filter (99.97% filter efficiency level) effective against all particulate aerosols.</p>																																											
* Escape only.			<table border="0"> <tr> <td>Acrolein</td> <td>Hydrogen cyanide</td> <td>Nitric acid</td> <td>Phosphorus trichloride</td> </tr> <tr> <td>Aniline</td> <td>Hydrogen selenide</td> <td>Nitro compounds</td> <td>Stibine</td> </tr> <tr> <td>Arsine</td> <td>Methanol</td> <td>Nitrogen oxides</td> <td>Sulfur chloride</td> </tr> <tr> <td>Bromine</td> <td>Methyl bromide</td> <td>Nitroglycerin</td> <td>Urethane or other diisocyanate-containing paints</td> </tr> <tr> <td>Carbon monoxide</td> <td>Methyl chloride</td> <td>Nitromethane</td> <td></td> </tr> <tr> <td>Diisocyanates</td> <td>Methylene chloride</td> <td>Phosgene</td> <td>Vinyl chloride</td> </tr> <tr> <td>Dimethyl sulfate</td> <td>Nickel carbonyl</td> <td>Phosphine</td> <td></td> </tr> </table>																Acrolein	Hydrogen cyanide	Nitric acid	Phosphorus trichloride	Aniline	Hydrogen selenide	Nitro compounds	Stibine	Arsine	Methanol	Nitrogen oxides	Sulfur chloride	Bromine	Methyl bromide	Nitroglycerin	Urethane or other diisocyanate-containing paints	Carbon monoxide	Methyl chloride	Nitromethane		Diisocyanates	Methylene chloride	Phosgene	Vinyl chloride	Dimethyl sulfate	Nickel carbonyl	Phosphine	
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- 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.

