

Full-Facepiece Respirators



Advantage 3200 Respirator with rubber harness and chemical cartridges

Advantage 3200 Respirator with European-style harness



Advantage® 3000 Series Respirators

The Advantage 3000 Full-Face Respirator incorporates MSA's global engineering expertise and is NIOSH and EN certified.

The respirator features a wraparound lens combined with a soft, pliable silicone facepiece that provides a total solution to your air-purifying respirator needs. Its fit technology is based on the proven face seal of the Ultra Elite Facepiece, which was based on facial measurements from more than 8,000 people.

For the utmost in convenience, the Advantage 3200 uses the same cartridges and filters as the Advantage 200 LS Respirator.

The Advantage 3000 Respirator enhances worker performance through a new design that allows even lower breathing resistance and includes a standard nose cup that reduces fogging in low temperatures or high humidity conditions.

In addition, the facepiece lens has a scratch resistant coating and has been engineered to be optically correct, giving you superior visibility and peripheral vision. The Advantage 3000 Respirator meets all performance requirements of ANSI Z87.1.2009 (protective eye and face protection).

Donning the mask is made easier with pre-adjustable rubber straps. With the Advantage 3000 Respirator, you can set the position of the upper straps to receive a consistent fit, time after time. In addition, the preset upper straps prevent uncomfortable snags during donning and doffing, and also provide a tighter, more secure seal. Wearers also can choose the European-style Advantage harness, which dons like a catcher's mask.

Advantage 3200 Facepieces

Description	Small	Medium	Large
Advantage 3200 Twin Port Respirator, w/rubber harness	10028996	10028995	10028997
Advantage 3200 Twin Port Respirator, w/Advantage European-style harness	10031340	10031309	10031341



MSA Confidence Plus Germicidal Cleaner



MSA Confidence Plus® Germicidal Cleaner

Mix with warm water for a germicidal cleaner that is effective against various micro-organisms including immunodeficiency virus Type 1 (HIV-1, associated with AIDS). EPA-approved for use on safety equipment.

Personal Safety Equipment Towelettes

Provides an excellent method for wiping and refreshing respirators, hardhats, and other safety equipment between full cleaning periods.

Cleaning Accessories

Canister with 220 towelettes, 4-1/4" x 6"	697382
Box of 100 individually wrapped towelettes, 7-1/4" x 5"	697383
"The Big Ones," Box of 50 individually wrapped towelettes, 8" x 11"	10022871
MSA Confidence Plus Germicidal Cleaner, in 32 oz. bottle	10009971

Flexi-Filter® Pads for Advantage Respirators



These low-profile, flexible pads fit well under a welding hood and with other personal protective equipment. They offer great balance and weight distribution for maintaining a good face seal, while their swept-back design provides improved vision and comfort.

MSA Filter Description	Part No.	Color Coding	Filter Type & Efficiency			Notes
			P100	P95	N95	
Flexi-Filter P100	818342					1,4
Flexi-Filter P100 w/Nuisance Level OV, Ozone Removal	818343					1,4
Flexi-Filter P100 w/Nuisance Level AG, HF Removal	818344					1,4
Flexi-Filter N95	818346					1
Flexi-Filter N95 w/Nuisance Level OV Removal	818347					1
Flexi-Filter P95	818354					1
Flexi-Filter P95 w/Nuisance Level OV Removal	818355					1

Note: See **WARNING** on previous page.

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 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 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		OV	CL	SD	CD	HC	HS*	AM	MA	FM	HF	MV				2,3
GMA with N95 Prefilter	815355 with 815394 or 816357		OV	CL	SD	CD	HC	HS*	AM	MA	FM	HF	MV				2,3
GMA with R95 Prefilter	815355 with 815397		OV	CL	SD	CD	HC	HS*	AM	MA	FM	HF	MV				2,3
GMA P100	815362		OV	CL	SD	CD	HC	HS*	AM	MA	FM	HF	MV				2,3,4
GMB	815356		OV	CL	SD	CD	HC	HS*	AM	MA	FM	HF	MV				2
GMB with N95 Prefilter	815356 with 815394 or 816357		OV	CL	SD	CD	HC	HS*	AM	MA	FM	HF	MV				2
GMB with R95 Prefilter	815356 with 815397		OV	CL	SD	CD	HC	HS*	AM	MA	FM	HF	MV				2
GMB P100	815363		OV	CL	SD	CD	HC	HS*	AM	MA	FM	HF	MV				2,4
GMC	815357		OV	CL	SD	CD	HC	HS*	AM	MA	FM	HF	MV				2,3
GMC with N95 Prefilter	815357 with 815394 or 816357		OV	CL	SD	CD	HC	HS*	AM	MA	FM	HF	MV				2,3
GMC with R95 Prefilter	815357 with 815967		OV	CL	SD	CD	HC	HS*	AM	MA	FM	HF	MV				2,3
GMC P100	815364		OV	CL	SD	CD	HC	HS*	AM	MA	FM	HF	MV				2,3,4
GMD	815358		OV	CL	SD	CD	HC	HS*	AM	MA	FM	HF	MV				2,3
GMD with N95 Prefilter	815358 with 815394 or 816357		OV	CL	SD	CD	HC	HS*	AM	MA	FM	HF	MV				2,3
GMD with R95 Prefilter	815358 with 815397		OV	CL	SD	CD	HC	HS*	AM	MA	FM	HF	MV				2,3
GMD P100	815365		OV	CL	SD	CD	HC	HS*	AM	MA	FM	HF	MV				2,3,4
GME	815359		OV	CL	SD	CD	HC	HS*	AM	MA	FM	HF	MV				2,3
GME with N95 Prefilter	815359 with 815394 or 816357		OV	CL	SD	CD	HC	HS*	AM	MA	FM	HF	MV				2,3
GME with R95 Prefilter	815359 with 815397		OV	CL	SD	CD	HC	HS*	AM	MA	FM	HF	MV				2,3
GME P100	815366		OV	CL	SD	CD	HC	HS*	AM	MA	FM	HF	MV				2,3,4
GMI P100**	815641		OV	CL	SD	CD	HC	HS*	AM	MA	FM	HF	MV				2,4
Mersorb	815361		OV	CL	SD	CD	HC	HS*	AM	MA	FM	HF	MV				2,4
Mersorb with N95 Prefilter	815361 with 815394 or 816357		OV	CL	SD	CD	HC	HS*	AM	MA	FM	HF	MV				2,4
Mersorb with R95 Prefilter	815361 with 815397		OV	CL	SD	CD	HC	HS*	AM	MA	FM	HF	MV				2,4
Mersorb P100	815368		OV	CL	SD	CD	HC	HS*	AM	MA	FM	HF	MV				2,4
Low-Profile P100	815369		OV	CL	SD	CD	HC	HS*	AM	MA	FM	HF	MV				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:

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	

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.

* Escape only.

** 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.