Advantage® 200 LS and 3200 **Respirators**

MSA
The Safety Company

Advantage 200 LS Half-Mask Respirator

Comfortable Fit and Balance

Mask can be adjusted to the wearer for a comfortable fit, helping to reduce potential pressure points throughout the day.

Swept back cartridge design helps to provide stability and weight distribution on the face.

Lower Total Cost of Ownership

The Advantage 200LS keeps replacement, and maintenance costs down by only having 4 main components.

1. Facepiece blank
2. 4-point yoke
3. Inhalation/exhalation valves
4. Head harness



Advantage 3200 Full-Facepiece Respirator

Comfortable Fit and Balance

The Advantage 3200 design includes a nosecup, to help reduce fogging in low temps or high humidity, so that you are able to focus on the task at hand.

The wrap around scratch-resistant face piece lens provides wide field of vision while also meeting ANSI Z87.1 high-impact performance requirements.

Reduce Respirator Downtime

All components of the Advantage 3200 can be replaced without special tools - for quick maintenance and limited downtime of your respirator.



Advantage 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.

			Acid Gases															
			Organic Vapor	Chlorine	Sulfur Dioxide	Chlorine Dioxide	Hydrogen Chloride	Hydrogen Sulfide	Ammonia	Methylamine	Formaldehyde	Hydrogen Fluoride	Mercury Vapor	Filter Type & Efficiency See **Definitions** below			
MSA Cartridge Description	**Re-Order Part Number**	**Color Coding**	**OV**	**CL**	**SD**	**CD**	**HC**	**HS**	**AM**	**MA**	**FM**	**HF**	**MV**	**P100**	**R95**	**N95**	See **Notes** below
Organic Vapor (GMA)	815355		●														2,3
Organic Vapor w/N95 Prefilter (GMA)	815355 w/815394 or 816357		●													●	2,3,5
Organic Vapor w/R95 Prefilter (GMA)	815355 w/815397		●												●		2,3,5
Organic Vapor/P100 (GMA)	815362		●											●			2,3,4
Acid Gas (GMB)	815356			●	●	●	●	●									2
Acid Gas w/N95 Prefilter (GMB)	815356 w/815394 or 816357			●	●	●	●	●								●	2,5
Acid Gas w/R95 Prefilter (GMB)	815356 w/815397			●	●	●	●	●							●		2,5
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		●	●	●	●	●	●								●	2,3,5
Organic Vapor/Acid Gas w/R95 Prefilter (GMC)	815357 w/815397		●	●	●	●	●	●							●		2,3,5
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								●	●						●	2,3,5
Ammonia/Methylamine w/R95 Prefilter (GMD)	815358 w/815397								●	●					●		2,3,5
Ammonia/Methylamine/P100 (GMD)	815365								●	●				●			2,3,4
Multigas (GME)	815359		●	●	●	●	●	●	●	●	●	●					2,3
Multigas w/N95 Prefilter (GME)	815359 w/815394 or 816357		●	●	●	●	●	●	●	●	●	●				●	2,3,5
Multigas w/R95 Prefilter (GME)	815359 w/815397		●	●	●	●	●	●	●	●	●	●			●		2,3,5
Multigas/P100 (GME)	815366		●	●	●	●	●	●	●	●	●	●		●			2,3,4
Iodine Vapor/P100 (GMI)*	815641		●											●			2,4
Chlorine/Mercury Vapor (Mersorb)	815361			●									●				2
Chlorine/Mercury Vapor w/N95 Prefilter (Mersorb)	815361 w/815394 or 816357			●									●			●	2,5
Chlorine/Mercury Vapor w/R95 Prefilter (Mersorb)	815361 w/815397			●									●		●		2,5
Chlorine/Mercury Vapor/P100 (Mersorb)	815368			●									●	●			2,4
Low-Profile P100	815369 Pack of 2 10123079 Pack of 100													●			1,4
P100 with Splash Guard	10146939 Pack of 2													●			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																
R95 Snap-On Prefilter and Cover	815397 Box of 20 815401 Reusable Snap-On Cover, 2 in a Package																

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.

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

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

Notes

1. 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.
2. Do not use in atmospheres containing less than 19.5 percent oxygen, or in atmospheres immediately dangerous to life and health.
3. 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.
4. 99.97 percent efficient against 0.3 micron DOP.
5. Both a prefilter and cover must be used with the cartridge in order to obtain R95 or N95 particulate protection.

Advantage 200 LS Half-Mask Respirator



- Cost-efficient
- Thermoplastic rubber is soft and lightweight
- Nosecup design provides stability and comfort

	Small	Medium	Large	
ADVANTAGE 200 LS FACEPIECES	815696	815692	815700	Advantage 200 LS Respirator, with **2-piece** neckstrap
	815448	815444	815452	Advantage 200 LS Respirator, with **single** neckstrap

Advantage 3000 Series Full-Facepiece Respirators



Advantage 3200 Respirator with rubber harness and chemical cartridges



Advantage 3200 Facepiece with European-style harness



Advantage 3100 Facepiece with rubber harness

- Integrated nosecup helps to reduce lens fogging
- Scratch-resistant, optically correct wraparound lens enables wide field-of-vision
- Easy cleaning and decontamination

	Small	Medium	Large	
ADVANTAGE 3200 FACEPIECES	10028996	10028995	10028997	Advantage 3200 Facepiece, with **rubber** head harness
Twin-Port	10031340	10031309	10031341	Advantage 3200 Facepiece, with **European-style** harness
ADVANTAGE 3100 FACEPIECES	10028999	10028998	10029000	Advantage 3100 Facepiece, with **rubber** head harness
Single-Port	10031343	10031342	10031344	Advantage 3100 Facepiece, with **European-style** harness

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.

Filter Type & Efficiency
See **Definitions** on previous page

See **Notes** on p. 6

MSA Filter Description	Part No.	Color Coding	P100	P95	N95	Notes
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



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MSA Respirator Fit Test Compliance

29 CFR Part 1910.134

MSA RESPIRATOR FIT TEST KITS	697287	Saccharin Qualitative Fit Test Kit
	697444	Bitrex Qualitative Fit Test Kit
	801628	Banana Oil Qualitative Fit Test Kit
	697285	Replacement (Saccharin) Sensitivity Test
	697445	Solution, Sensitivity, (Bitrex)
	697286	Replacement Fit-Test (Saccharin) Solution
	697446	Replacement Fit-Test (Bitrex) Solution
	697447	#1 Sensitivity Nebulizer
	697459	#2 Fit-Test Nebulizer
	697448	Test Hood (Same for Both)
	10056424	Advantage Fit Test Adapter for Quantitative Fit Testing

SPARE PARTS	815939	Replacement inhalation/exhalation valves (30 pack)
	815794	Single piece replacement head strap
	816671	Replacement yolk

To meet OSHA's respiratory protection fit-testing requirements, MSA offers facepiece-testing kits and accessories. As you may know, qualitative fit-test methods are subjective in nature and rely on the judgment of the test subject, and quantitative testing methods rely on objective data to determine a proper fit. Please consult with your Respirator Program Manager to ensure proper fit.

Cleaning Supplies



PRODUCT NAME	**MSA Confidence Plus®2 Germicidal Cleaner**
DESCRIPTION	A multi-purpose, neutral pH, germicidal detergent and deodorant that disinfects, cleans and deodorizes in one labor-saving step. Reference product label For further information on product performance and specifications. For COVID-19 cleaning guidance, please visit the following resource center: *https://us.msasafety.com/coronavirus*
PART NO.	**10009971**



PRODUCT NAME	**Personal Safety Equipment Towelettes**
DESCRIPTION	Provides an excellent method for wiping and refreshing respirators, hardhats, and other safety equipment between full cleaning periods.
PART NO.	**697383** Box of 100 individually wrapped towelettes (7-1/4" x 5") **697382** Canister with 220 towelettes (4-1/4" x 6") **10022871** "The Big Ones", box of 50 individually wrapped towelettes (8" x 11")

Note: This Bulletin contains only a general description of the products shown. While product uses and performance capabilities are generally described, the products shall not, under any circumstances, be used by untrained or unqualified individuals. The products shall not be used until the product instructions/user manual, which contains detailed information concerning the proper use and care of the products, including any warnings or cautions, have been thoroughly read and understood. Specifications are subject to change without prior notice.

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