

# Advantage<sup>®</sup> 200 LS, 420 and 3200 Respirators



## 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 420 Half-Mask Respirator

### Simplicity, Comfort and Flexibility

An important characteristic of the Advantage 420 is user-friendliness.

The innovative patent-pending single loop head harness outshines the competition. It grants the user an intuitional operation and offers high comfort and flexibility. The unique one-piece over-molded silicone nose cup is soft and pleasant to wear and extremely robust.



## Advantage 3200 Full-Facepiece Respirator

### Comfortable Fit and Balance

The Advantage 3200 design includes a nose cup, 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 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.



WE KNOW WHAT'S AT STAKE.

# Advantage 200 LS, 420 and 3200 Respirators

## Advantage® Respirator Cartridges

The Advantage® line of particulate, chemical and combination cartridges provides lightweight, low-profile performance. Cartridges fit both 200 LS Half-Mask, Advantage 420 and 3000 Full-Facepiece Advantage® Respirators.			A2	Acid Gases B2E1					K1					+ P3 P2	
			Organic Vapour	Chloride	Sulfur Dioxide	Chlorine Dioxide	Hydrogen Chloride	Hydrogen Sulfide*	Ammonia	Methylamine	Formaldehyde	Hydrogen Fluoride	Mercury Vapor		
MSA Cartridge Description	Re-Order Part Number	Colour Coding	OV	CL	SD	CD	HC	HS*	AM	MA	FM	HF	MV	P100	See Notes Below
A2	430371	Brown Brown													2,3
A2 P3	430372	Brown White													2,3,4
A2 B2 E1 K1	430373	Mustard Mustard													2,3
A2 B2 E1 K1 P3	430374	Mustard White													2,3,4
Low-Profile P3	430375	White White													1,4
P2 Snap-On Prefilter and Cover	10011347 Pack of 20 + Covers														

### Definitions

**N95-Particulate Filter (95% filter efficiency level)** effective against particulate aerosols free of oil; time use restrictions may apply. (P1)

**P100-Particulate Filter (99.97% filter efficiency level)** effective against all particulate aerosols. (P2)

\* Escape only. + Only with Full Facepiece

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

### 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.  
+ P3 with Full Facemask only.

## ⚠ 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	Vinyl chloride
Diisocyanates	Methylene chloride	Phosgene	
Dimethyl sulfate	Nickel carbonyl	Phosphine	

## Advantage 200 LS Half-Mask Respirator

				<ul style="list-style-type: none"> <li>• Cost-efficient</li> <li>• Thermoplastic rubber is soft and lightweight</li> <li>• Nosecup design provides stability and comfort</li> </ul>
	Small	Medium	Large	
ADVANTAGE 200 LS FACEPIECES	430357	430356	430358	Advantage 200 LS Respirator, with 2-piece neckstrap

## Advantage 420 Half Face Respirator

				<ul style="list-style-type: none"> <li>• Innovative design</li> <li>• High comfort &amp; flexibility</li> <li>• Nosecup design is pleasant to wear and extremely robust</li> </ul>
	Small	Medium	Large	
ADVANTAGE 420 HALF-FACE RESPIRATOR	10102273	10102274	10102275	Advantage 420 Half Face Respirator, with single neckstrap

## Advantage 3000 Series Full-Facepiece Respirators

  				<ul style="list-style-type: none"> <li>• Integrated nosecup helps to reduce lens fogging</li> <li>• Scratch-resistant, optically correct wraparound lens enables wide field-of-vision</li> <li>• Easy cleaning and decontamination</li> </ul>
	Small	Medium	Large	
ADVANTAGE 3200 FACEPIECES Twin-Port	10027727	10027726	10027728	Advantage 3200 Facepiece Twin-Port, with European-style harness
ADVANTAGE 3100 FACEPIECES Single-Port	10027724	10027726	10027725	Advantage 3100 Facepiece, with European-style harness

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## Flexi-Filter® Particulate 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.	Colour Coding
FILTER FLEXI P3- PK-2	818342	White
FILTER FLEXI P3 OV-PK-2	818343	White
FILTER FLEXI P3 NUISANCE AG/HF, PK-2	818344	White
Flexi-Filter® P2 Box 10 ( 5 Pairs )	10027699	
Flexi-Filter® P3 Box 10 ( 5 pairs)	10027639	



## MSA Respirator Fit Test Compliance


29 CFR Part 1910.134

MSA RESPIRATOR FIT TEST KITS	697444	Bitrex Qualitative Fit Test Kit
	801628	Banana Oil Qualitative Fit Test Kit
	697445	Solution, Sensitivity, (Bitrex)
	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 AS/NZS' 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 Clean and Clear
DESCRIPTION	Pre - Moistened lens cleaning towel in sealed foil pack, designed to clean lenses on prescription spectacles, safety eyewear, goggles, faceshields and other protective lenses such as respirator full face masks, air hoods etc. Clear and Clean Mini Towels are anti-static. The exclusive formula cleans, clears and provides resistance to fogging. The towels can also be used to clean personal protective equipment such as full and half face respirators, earmuffs etc. The product is also useful for general cleaning and disinfecting telephones, computers screens and keyboards.
PART NO.	762485

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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