

THE INNOVATION CONTINUES



Respiratory Protection

8000 Series Respirators

Today's workforce wants safer, more comfortable, and easier to use protectors. No other company is meeting these critical compliance demands more effectively than AOSafety.

Fueled by extensive research and development, our broad line continues to grow with innovative products that feature exclusive advantages. For instance, the new QuickFit™ Full Face Respirator has a patented adjustment knob, and goes on and off with just one hand without the hassle of straps or buckles. We've added another QuickLatch® model – QuickLatch® Flex. Not only does it have the unique easy-on-and-off latch, it has a soft, thinner walled facepiece designed to fit more face shapes and provide unsurpassed comfort.

These are just two examples of how AOSafety is listening and responding to the needs of the workplace. On the following pages you'll see even more ways we are making safety better – by making it easier.

Safer. Easier. Better.

NEW QuickFit™ Full Face Air Purifying/Air Supplying Respirators* With Easy On-And-Off Knob

Easiest on and off with its exclusive twist and seal design. Just twist the QuickDial™ and the contoured cradle adjusts for an effective seal – every time. No clumsy straps. No hair snagging. No wasted time.

- NIOSH approved
- Silver knob turns to don and pulls to doff
- Large vented cleanable headgear for no snag donning and doffing
- Medical grade silicone face seal for comfortable secure fit
- Two sizes fit most wearers
- Nosecup for reduced fogging and minimal rebreathing
- Converts to type C continuous flow airline model
- Free training CD with every respirator

*Patent Pending



Optional Tyvek® protective hood protects QuickFit and wearer's head and shoulders.

QuickFit Full Face Reusable Air Purifying/ Air Supplying Respirators

Product Code	Description
50480-00000	Small/Medium Full Facepiece
50482-00000	Large Full Facepiece

Cartridges and Filters Not Included.

QuickFit Full Face Respirator Replacement Parts and Accessories

Product Code	Description	Product Code	Description
50483-00000	Protective Hood for QuickFit	50677-00000	Reel
50661-00000	Faceseal Small/Medium	50678-00000	Cables for Large size (2 per pkg)
50662-00000	Faceseal Large	50666-00000	Cables for Small/Medium size (2 per pkg)
50664-00000	Headgear with Slider	50679-00000	Outer Gaskets (2 per pkg.)
50665-00000	Polycarbonate lens (Includes 2 cartridge adapters, 2 inner gaskets, & voice box with exhalation valve)	50680-00000	Frame Nuts (2) & Frame Bolts (2)
51068-00000	Rubber Inhalation Valve Disc (20 per pkg.)	50681-00000	Spring Clip Lock
50669-00000	Exhalation Valve	50682-00000	Mylar Lens Cover (9 peel-off windows per pkg)
50670-00000	Nosecup with 2 Inhalation Valves	50692-00000	Tinted Lens Cover (9 peel-off windows per pkg)
50671-00000	Frame Kit (Includes Top & Bottom Frame, 2 Frame Bolts, 2 Frame Nuts)	50683-00000	Prescription Eyewear Insert
50672-00000	Body	51172-00000	QuickLatch®, QuickLatch® Flex, QuickFit™, EZ Drop and Full Face 8000 Fit Test Adapter Kit for Use with a PortaCount®
50673-00000	Fit Dial	51174-00000	QuickLatch®, QuickLatch® Flex, QuickFit™, EZ Drop and Full Face 8000 Fit Test Adapter Kit for Use with Fit Tester 3000
50674-00000	Handle	51064-00000	Plastic P100 Fit Test Adapter for Use with PortaCount®
50675-00000	Wing Nut with Male Thread Insert		
50676-00000	Spring		



QuickLatch Flex
Available in Medical Grade Silicone
or Economical Sim-U-Sil™ (simulated silicone).



QuickLatch
Available in Silicone or TPR (man-made rubber) materials.

NEW QuickLatch® Flex Air Purifying/ Air Supplying Half Mask Respirators* Universal Fit with Easy On-and-Off Latch

A new design, thinner walls and added flexibility allow the QuickLatch Flex facepiece to fit most face shapes, cheek lines and nose bridges.

Excellent comfort and an optimum seal.

It's easy, too. Just flip the latch up and the respirator slides off for work breaks. Flip the latch down and the respirator slides back to the original fitting position.

Plus, both QuickLatch® models have more advantages including:

- NIOSH Approved
- Contoured flange for exceptional fit and comfort
- No-snap straps with comfortable curved neck buckle
- Available in three sizes
- Replacement parts available for reusable models
- Uses bayonet style filters or plastic cartridges
- Fit testing accessories available

*Patented

QuickLatch® Flex Air Purifying Half Mask Respirators

QuickLatch Flex Reusable Air Purifying Half Mask Respirators without Filter Elements (NFE)

Product Code	Description
50177-00000	Small, Silicone QuickLatch Flex Respirator
50178-00000	Medium, Silicone QuickLatch Flex Respirator
50179-00000	Large, Silicone QuickLatch Flex Respirator

QuickLatch Flex Low Maintenance Air Purifying Half Mask Respirators without Filter Elements (NFE)

Product Code	Description
50167-00000	Small, Sim-U-Sil™ QuickLatch Flex Respirator
50168-00000	Medium, Sim-U-Sil™ QuickLatch Flex Respirator
50169-00000	Large, Sim-U-Sil™ QuickLatch Flex Respirator

QuickLatch® Air Purifying Half Mask Respirators

QuickLatch Reusable Air Purifying Half Mask Respirators without Filter Elements (NFE)

Product Code	Catalog Number	Description
50108-10000	8110S	Small, Silicone QuickLatch Respirator
50109-10000	8100S	Medium, Silicone QuickLatch Respirator
50110-10000	8120S	Large, Silicone QuickLatch Respirator

QuickLatch Low Maintenance Air Purifying Half Mask Respirators without Filter Elements (NFE)

Product Code	Catalog Number	Description
50113-00001	8110T	Small, TPR QuickLatch Respirator
50114-00001	8100T	Medium, TPR QuickLatch Respirator
50115-00001	8120T	Large, TPR QuickLatch Respirator

EZ Drop® Air Purifying/Air Supplying Half Mask Respirators* with Slide/Release Strap



Unique convenience feature—just undo the buckle, and the respirator releases and slides to park on the worker's chest. No need to remove headgear, glasses or other equipment. Compact yoke provides low profile and maximum visibility. Contoured flange for optimum fit and comfort.

- NIOSH approved
- No-sag straps with comfortable curved neck buckle
- Available in three sizes
- Lightweight
- Available in low maintenance TPR (man made rubber)
- Replacement parts available for reusable models
- Uses bayonet style filters or plastic cartridges
- Fit testing accessories available

*Patent Pending

EZ Drop® 8200 Air Purifying/Air Supplying Half Mask Respirators

EZ Drop 8200 Low Maintenance Air Purifying Half Mask Respirators without Filter Elements (NFE)

Product Code	Catalog Number	Description
50430-00000	8210T	Small, TPR EZ Drop Respirator
50431-00000	8200T	Medium, TPR EZ Drop Respirator
50432-00000	8220T	Large, TPR EZ Drop Respirator

EZ Drop 8200 Low Maintenance Air Purifying Half Mask Respirators with 8051 Organic Vapor Cartridge and R9520 Filter

Product Code	Catalog Number	Description
50416-00000	82151T-R95	Small, EZ Drop Respirator with 8051 OV Cartridge and R9520 Filter
50417-00000	82051T-R95	Medium, EZ Drop Respirator with 8051 OV Cartridge and R9520 Filter
50418-00000	82251T-R95	Large, EZ Drop Respirator with 8051 OV Cartridge and R9520 Filter

Full Face 8000 Air Purifying/Air Supplying Respirators With Panoview



8300 Model with fit check push button feature for quick positive pressure fit check. (Small/Medium and Medium/Large)



8400 Model (Medium)

Proven performers updated to use bayonet style filters and plastic cartridges. These rugged, low profile respirators provide a formfitting seal and one of the widest viewing ranges in the industry. No other full face, dual cartridge model offers more protection, comfort or versatility.

- NIOSH approved
- Choice of silicone or natural rubber
- Effectively three sizes available
- Nosecup for reduced fogging and minimal rebreathing
- 5-point suspension for best fit
- Speech diaphragm for easier communication
- Fit testing accessories available
- Replacement parts available
- Converts to type C continuous flow airline model
- New Easy-to-install Prescription Eyewear Insert

Full Face 8000 Reusable Air Purifying/Air Supplying Respirators

Product Code	Description
50282-00000	Small/Medium, Rubber Full Face Respirator
50283-00000	Medium/Large, Rubber Full Face Respirator
50284-00000	Small/Medium, Silicone Full Face Respirator
50285-00000	Medium/Large, Silicone Full Face Respirator
53022-00000	Medium, Silicone Full Face Respirator
52012-00000	Medium, Rubber Full Face Respirator

Full Face 8000 Respirator Replacement Parts and Accessories (Not Complete Listing)

Product Code	Description
50561-00000	Adapter for Bayonet Style Filters and Plastic Cartridges—Rubber Full Face
50563-00000	Adapter for Bayonet Style Filters and Plastic Cartridges—Silicone Full Face
50767-00000	Exhalation Valve Flap (Full Face 8400) (10 per pkg)
50774-00000	Replacement Window Lens for Full Face 8400
50794-00000	Mylar Lens Cover for Full Face 8400 (10 per pkg)
51068-00000	Rubber Inhalation Valve Disc (20 per pkg)
51067-00000	Exhalation Valve Flap (Full Face 8300) (10 per pkg)
51497-00000	Replacement Window Lens for Full Face 8300
51533-00000	Mylar Lens Cover for Full Face 8300 (10 per pkg)
52013-00000	Full Face 8400 Prescription Eyewear Insert
52014-00000	Full Face 8300 Prescription Eyewear Insert

Replacement Parts and Accessories for 8000 Series Respirators

QuickLatch®, QuickLatch® Flex, and EZ Drop® Replacement Parts and Accessories

Reusable and Low Maintenance Air Purifying Half Mask Replacement Parts and Accessories

Product Code	Catalog Number	Description
50544-00000	8004	Adapter for Bayonet Style Filters and Plastic Cartridges
51061-00000	R37	Rubber Inhalation Valve Disc (20 per Pkg)
51066-00000	R41A	Exhalation Valve Seat
51067-00000	R41B	Exhalation Valve Flap (10 per Pkg)
50542-00000	8000	Filter Clip for Plastic Cartridges (1 per Pkg)
50547-00000	8005	Filter Holder for 8000 Series Cartridge Respirators (1 per Pkg)

Low Maintenance (TPR) Air Purifying Half Mask Maintenance Kit

50082-00000	50082	TPR Maintenance Kit includes: 6 Inhalation Valves, 2 Exhalation Valves
-------------	-------	---

QuickLatch® and QuickLatch® Flex Reusable Air Purifying Half Mask Respirator Replacement Parts

Product Code	Catalog Number	Description
50543-00000	8002	QuickLatch and QuickLatch Flex Cradle Suspension
50545-00000	8001	QuickLatch and QuickLatch Flex Exhalation Valve Cover

Fit Testing Accessories

Product Code	Catalog Number	Description
51172-00000	51172	QuickLatch®, QuickLatch Flex, QuickFit™, EZ Drop® and Full Face 8000 Fit Test Adapter Kit for Use with a PortaCount®
51174-00000	51174	QuickLatch®, QuickLatch® Flex, QuickFit™, EZ Drop and Full Face 8000 Fit Test Adapter Kit for Use with Fit Tester 3000
52023-00000	52023	Full Face 8000 Front Fitting Plug with Probe for Use with PortaCount®
51064-00000	51064	Plastic P100 Fit Test Adapter for QuickLatch®, QuickLatch® Flex, QuickFit™, EZ Drop®, and Full Face 8000 for Use with PortaCount®

Air Supplying Respirator Accessories

Product Code	Catalog Number	Description
50160-00000	50160	BackTrack Air Supplied Breathing System, Includes Belt Assembly, Breathing Tube Assembly, Flow Control Valve Assembly, Hose Clip.
50159-00000	50159	BackTrack Replacement Flow Control Valve with Belt Clip
50158-00000	50158	BackTrack Replacement Belt Assembly
50157-00000	50157	BackTrack Replacement Breathing Tube
52006-00000	52006	Airline Kit with Front Mounted Breathing Tube and Adjustable Flow
56034-00000	56034	50', 3/8" Diameter Airline Hose
56035-00000	56035	50', 1/2" Diameter Hose
51545-00000	51545	Hansen Straight-Through Quick Connect Plug with 3/8" Male Pipe Thread
51547-00000	51547	Hansen Manual Locking Straight-Through Quick Connect Coupling with 3/8" Female Pipe Thread Sleeve Lock

Air Supplying Respirator Fitting to Connect Airline to Air Source

Product Code	Catalog Number	Description
50056-00000	50056	Hansen Quick Connect Coupler With 1/4" Male Pipe Thread
50060-00000	50060	Foster Quick Connect Coupler With 1/4" Male Pipe Thread
50061-00000	50061	Schrader Quick Connect Coupler With 1/4" Male Pipe Thread
50062-00000	50062	1/4"- 3/8" Female Reducer And Bushing
50063-00000	50063	1/4" Male Pipe Thread Taper Fitting Plug For Use With 50060/50061
51517-00000	51517	Hansen Quick Connect Coupler With 3/8" Female Pipe Thread

Full Selection Bayonet Style Plastic Cartridges and Cartridge/Filter Combinations

AOSafety offers a selection of bayonet style plastic cartridges and cartridge/filter combinations wide enough to protect against most gases, vapors, dusts and fumes in the workplace—while keeping inventory requirements minimal. All have off-center adapters for optimal peripheral vision.

- NIOSH approved
- Compatible with AOSafety 8000 respirators
- Easy-read labeling



8051 & 8051-P100

8051-P100 (8051 Cartridge with P100 Filter)

Organic Vapors and P100: Approved to help protect against organic vapors and solid and liquid particulates that may contain oil (99.97% efficiency).

Product Code 50533-00000, Box of 10
Product Code 50551-00000, Bulk of 72

8051

Organic Vapors: Approved to help protect against organic vapors.

Product Code 50525-00000, Box of 10
Product Code 50555-00000, Bulk of 144



8052 & 8052-P100

8052-P100 (8052 Cartridge with P100 Filter)

Acid Gases, Formaldehyde and P100: Approved to help protect against chlorine, hydrogen chloride, sulfur dioxide, chlorine dioxide, formaldehyde, hydrogen fluoride, escape only for hydrogen sulfide and solid and liquid particulates that may contain oil (99.97% efficiency).

Product Code 50534-00000, Box of 10
Product Code 50552-00000, Bulk of 72

8052

Acid Gases & Formaldehyde: Approved to help protect against chlorine, hydrogen chloride, sulfur dioxide, chlorine dioxide, formaldehyde, hydrogen fluoride and escape only for hydrogen sulfide.

Product Code 50526-00000, Box of 10
Product Code 50556-00000, Bulk of 144



8053 & 8053-P100

8053-P100 (8053 Cartridge with P100 Filter)

Organic Vapors, Acid Gases and P100: Approved to help protect against organic vapors, chlorine, hydrogen chloride, hydrogen fluoride, sulfur dioxide, chlorine dioxide and solid and liquid particulates that may contain oil (99.97% efficiency).

Product Code 50535-00000, Box of 10
Product Code 50553-00000, Bulk of 72

8053

Organic Vapors and Acid Gases: Approved to help protect against organic vapors, chlorine, hydrogen chloride, hydrogen fluoride, sulfur dioxide and chlorine dioxide.

Product Code 50527-00000, Box of 10
Product Code 50557-00000, Bulk of 144



8054 & 8054-P100

8054-P100 (8054 Cartridge with P100 Filter)

Ammonia, Methylamine and P100: Approved to help protect against ammonia, methylamine and solid and liquid particulates that may contain oil (99.97% efficiency).

Product Code 50536-00000, Box of 10
Product Code 50554-00000, Bulk of 72

8054

Ammonia and Methylamine: Approved to help protect against ammonia and methylamine.

Product Code 50528-00000, Box of 10
Product Code 50558-00000, Bulk of 144



8059

Mercury Vapor: Approved to help protect against mercury vapor and chlorine. With end of service life indicator.

Product code 50529-00000, Box of 10



8061 & 8061-P100

8061-P100 (8061 Cartridge with P100 Filter)

Quantum® Plus Multi-contaminant: Approved to help protect against 11 classes of gases and vapors (organic vapors, chlorine, hydrogen chloride, sulfur dioxide, chlorine dioxide, ammonia, methylamine, formaldehyde, hydrogen fluoride, nitrogen dioxide and escape only for hydrogen sulfide) and solid and liquid particulates that may contain oil (99.97% efficiency).

Product Code 50537-00000, Box of 10
Product Code 50550-00000, Bulk of 72

8061

Quantum® Multi-contaminant: Approved to help protect against 11 classes of gases and vapors (organic vapors, chlorine, hydrogen chloride, sulfur dioxide, chlorine dioxide, ammonia, methylamine, formaldehyde, hydrogen fluoride, nitrogen dioxide and escape only for hydrogen sulfide).

Product Code 50530-00000, Box of 10
Product Code 50549-00000, Bulk of 144

Bayonet Style Filters NIOSH Approved



Conform® 8000 P100 Filter is effective against solid and liquid particulates that may contain oil (99.97% efficiency). Three versions available.

Conform® 8000 P100 Filters*

The flexible bayonet style P100 filters easily fit under welding helmets and other tight-fitting headgear. Off-center adapter assures maximum peripheral vision.

Three Protection Versions Available

8058 – P100 Non-Nuisance Odor

Product Code 50532-00000, Box of 10
Product Code 50560-00000, Bulk of 200

80580 – P100 Organic Vapor Nuisance Odor w/Ozone Relief

Product Code 50567-00000, Box of 10
Product Code 50568-00000, Bulk of 200

80580A – P100 Organic Vapor/Acid Gas Nuisance Odor w/Ozone Relief

Product Code 50565-00000, Box of 10
Product Code 50566-00000, Bulk of 200

Conform 8008 Clip

Product Code 50573-00000

*Patent Pending

8005 Filter Holder for use with N9520 and R9520 filters



N95 Filter is approved to help protect against solid and liquid particulates that do not contain oil (95% efficiency).



R95 Filter is approved to help protect against solid and liquid particulates that may contain oil (95% efficiency).

N9520 and R9520 Filters

These lightweight filters can be clipped onto 8051, 8052, 8053, 8054, 8059, 8061 cartridges using a 8000 Clip or, by using the clip and a 8005 Filter Holder (product code 50547-00000), the filters can be used standalone.

N9520

Product Code 50538-00000, Box of 10
Product Code 50539-00000, Bulk of 50

R9520

Product Code 50540-00000, Box of 10
Product Code 50541-00000, Bulk of 50

8000 Clip

Product Code 50542-00000

8005 Filter Holder

Product Code 50547-00000

8000 Filter Clip



8057-P100 Filter is effective against solid and liquid particulates that may contain oil (99.97% efficiency).



8057-P100 Filters

Low profile plastic shell attaches directly to 8000 series cartridge respirators.

Product Code 50531-00000, Box of 10
Product Code 50559-00000, Bulk of 144

Pleats Plus® N95 and R95 Folding Style Particulate Respirators

Easiest to Breathe Through, Best Fitting and Longest Lasting

With twice the surface area of any other filtering facepiece, these respirators are more than twice as easy to breathe through. Flexible pleats encourage easy communication and assure a proper facepiece-to-face seal at all times.

- NIOSH approved
- N95 Pleats Plus cleared for use as a surgical mask by the FDA
- Braided elastic no-snag headbands
- Medium/Large size fits nearly all face sizes
- Small/Medium size available



N95 Cup Style Particulate Respirators

Softer, Better Fit Design

These N95 particulate respirators are not only softer feeling for more comfortable wear, but also have an interior foam flap for a snug, effective fit around the nose. Head straps securely stapled to tabs assure filtering performance integrity

- NIOSH approved
- Large surface/breathing area
- Valved model available for easier exhalation (N9505C)



N9504C

N9505C

Pleats Plus® Solid and Liquid Particulate Respirator

Product Code	Description	Quantity per Box
50250-10000	Small/Medium, Pleats Plus-N95	50
50251-10000	Medium/Large, Pleats Plus-N95	50
50256-10000	Small/Medium, Pleats Plus-N95 Individually Wrapped	25
50257-10000	Medium/Large, Pleats Plus-N95 Individually Wrapped	25
50254-10000	Small/Medium, Pleats Plus-R95	50
50255-10000	Medium/Large, Pleats Plus-R95	50
50261-00000	Medium/Large, Pleats Plus-N95 Individually Wrapped, Bulk Pack	200

N95 Particulate Respirators

Product Code	Catalog Number	Description	Quantity Per Box
50222-10000	N9504C	N95 Particulate Respirator, Medium/Large	20
50229-00000	N9504CS	N95 Particulate Respirator, Small	20
50223-10000	N9505C	N95 Particulate Respirator with exhalation valve	10

X-IT® 8000 Escape Mouthbit Respirator

NEW Two Carrying Options – Bag or Belt Clip



X-IT 8000 Belt Clip

This high quality and economical disposable respirator is the reliable answer for escape/emergency situations. It has a low profile design for maximum visibility. Single action nose clip has non-slip nose pads.

- NIOSH approved
- Soft vinyl mouthpiece for effective lip seal
- Two carrying options available for Acid Gas – carry bag or metal belt clip



X-IT 8000 Carrying Bag

X-IT® 8000* Disposable Escape Mouthbit Respirator

Product Code	Catalog Number	Description
50828-00000	8822	X-IT Mouthbit Respirator with Carrying Bag and Clip: Acid Gas (chlorine, hydrogen chloride, sulfur dioxide, chlorine dioxide, hydrogen fluoride and hydrogen sulfide)
50829-00000	8824	X-IT Mouthbit Respirator with Carrying Bag and Clip: Ammonia and Methylamine
50831-00000	8832	X-IT Mouthbit Respirator with Metal Belt Clip (No Carry Bag): Acid Gas (chlorine, hydrogen chloride, sulfur dioxide, chlorine dioxide, hydrogen sulfide, and hydrogen fluoride)

NEW BackTrack Air Supply Breathing System

Get double-duty performance from your respirator inventory with the new BackTrack system from AOSafety.

With just a quick hook-up, BackTrack turns AOSafety air-purifying respirators into air-supplied units. All without tools or added fit testing requirements.

- NIOSH Approved
- Compatible with all AOSafety 8000 Series Half and Full Face Respirators
- Easy hook-up with interchangeable cartridge connectors
- Dual airline Y-design wraps tubing around back – out of work zone
- Durable breathing tube resists kinks and flexes for mobility
- Adjustable belt helps reduce tube “drag” and stress on mask
- Belt-mounted flow control valve for easy access
- Lightweight for long wear with less fatigue
- Quick-connect coupling for easy air hose attachment
- Lightweight, smooth reinforced polyvinyl chloride hoses meet “off gas” requirements per MIL H-2815, sections 3.12.2 and 4.5.10 for high quality breathing air
- Optional vortex tube cools the air in the QuickFit facepiece as much as 30° Fahrenheit



Vortex tube with belt pad



BackTrack Full Face Respirator Replacement Parts and Accessories

Product Code	Description
50160-00000	BackTrack Air Supplied Breathing System, Includes Belt Assembly, Breathing Tube Assembly, Flow Control Valve Assembly, Hose Clip.
50159-00000	Replacement Flow Control Valve with Belt Clip
50158-00000	Replacement Belt Assembly
50157-00000	Replacement Breathing Tube
56036-00000	50 foot 3/8 inch diameter airline hose
56037-00000	50 foot 1/2 inch diameter airline hose
50956-00000	Cooling Vortex Tube with Belt Pad

Threaded Style Cartridge Respirator Series

AOSafety® has long been one of the most respected names in respiratory products and known for having some of the best fitting, very durable and most comfortable respirators in the industry. As these timeless STAR respirators continue to be in demand, we have included them in the following pages.

The STAR series cartridge respirators are designed to use the line of threaded metal cartridges and associated filters. Unlike the "slotted twist & lock" plastic cartridges that seal directly to the 8000 Series respirators, the threaded line cartridges and filters fit into special adapters which attach to the STAR respirators.

For more information on the differences between the STAR cartridge respirators and the 8000 series cartridge respirators, please contact your Aearo Sales Representative or Technical Support.

Half Mask Respirators

NIOSH Approved

FLEXI-STAR® Low Maintenance Air Purifying Half Mask Respirators



FLEXI-STAR®

- Made of silicone-like man made rubber (TPR)
- Lower fit on nose and wide sealing flange for outstanding fit
- Comfortable, no-snag head straps
- Offset cartridge adapters can rotate for unobstructed field of view
- Low profile design accommodates eyewear
- Three sizes available; medium fits 95% of respirator wearers

AO 5 STAR® Reusable Air Purifying/ Air Supplying Half Mask Respirators



AO 5 STAR®

- Same performance features as the FLEXI-STAR respirator with these additions:
 - Available in long-lasting rubber and silicone
 - Curved smooth neck strap buckle for easier donning
 - Replacement parts for easy maintenance
 - Converts to NIOSH approved type C continuous flow airline model

SINGULAR™ Air Purifying Half Mask Filter Respirators



SINGULAR™

- Made of silicone-like man-made rubber
- Secure fit with wide sealing flange and flexible facepiece
- Comfortable no-snag headstraps
- More visibility and economy with one N95 or P100 filter instead of two
- Dual exhalation valves for reduced exhalation resistance
- Replacement parts for easy maintenance

FLEXI-STAR® Air Purifying Half Mask Respirator

FLEXI-STAR® Low Maintenance Air Purifying Half Mask Respirators without Filter Elements (NFE)

Product Code	Description
50332-10000	Small, TPR, FLEXI-STAR Respirator
50330-10000	Medium, TPR, FLEXI-STAR Respirator
50331-10000	Large, TPR, FLEXI-STAR Respirator

FLEXI-STAR® Low Maintenance Air Purifying Half Mask Respirators with R51A Organic Vapor Cartridge and R9500R Filter

Product Code	Description
50410-10000	Small, FLEXI-STAR Respirator with R51A Organic Vapor Cartridge, R9500R Filter and R195A Clip
50411-10000	Medium, FLEXI-STAR Respirator with R51A Organic Vapor Cartridge, R9500R Filter and R195A Clip
50412-10000	Large, FLEXI-STAR Respirator with R51A Organic Vapor Cartridge, R9500R Filter and R195A Clip

AO 5 STAR® and SINGULAR™ Air Purifying Half Mask Respirator

AO 5 STAR® Reusable Air Purifying Half Mask Respirators without Filter Elements (NFE)

Product Code	Description
50445-00000	Small, Silicone AO 5 STAR Respirator
50099-00000	Medium, Silicone AO 5 STAR Respirator
50640-00000	Large, Silicone AO 5 STAR Respirator
50400-00000	Small, Natural Rubber AO 5 STAR Respirator
50089-00000	Medium, Natural Rubber AO 5 STAR Respirator
50615-00000	Large, Natural Rubber AO 5 STAR Respirator

SINGULAR™ Reusable Air Purifying Half Mask Respirators without Filter Elements (NFE)

Product Code	Description
50705-00000	Small, NFE SINGULAR Respirator
50706-00000	Medium, NFE SINGULAR Respirator
50707-00000	Large, NFE SINGULAR Respirator

SINGULAR™ Reusable Air Purifying Half Mask Respirators with N95 Filter

Product Code	Description
50715-00000	Small, SINGULAR Respirator with N95 Filter
50716-00000	Medium, SINGULAR Respirator with N95 Filter
50717-00000	Large, SINGULAR Respirator with N95 Filter

Full Face Respirators

AO 7 STAR® and OMNI STAR® Reusable Air Purifying/Air Supplying Full Face Respirators

- NIOSH approved
- Built-in speech diaphragm aids communication
- Inner nosecup reduces fogging and minimizes rebreathing
- Choice of silicone or natural rubber
- Offset cartridge adapters can rotate cartridges and filters out of field of view
- 5-Point suspension for superior fit
- Replacement parts available for easy maintenance
- Fit testing accessories available
- Easily converts to type C continuous flow airline model
- New Easy-to-install Prescription Eyewear Insert



AO 7 STAR® with fit check push button feature for quick positive pressure fit check. (Small/Medium and Medium/Large)

AO 7 STAR® and OMNI STAR® Air Purifying/Air Supplying Full Face Respirators

AO 7 STAR® Reusable Air Purifying Full Face Respirators without Filter Elements (NFE)

Product Code	Catalog Number	Description
50275-00000	R7701	Small/Medium, Natural Rubber AO 7 Star Full Face Respirator
50277-00000	R7702	Medium/Large, Natural Rubber AO 7 Star Full Face Respirator
50276-00000	S7701	Small/Medium, Silicone AO 7 Star Full Face Respirator
50278-00000	S7702	Medium/Large, Silicone AO 7 Star Full Face Respirator

OMNI STAR® Reusable Air Purifying Full Face Respirators without Filter Elements (NFE)

Product Code	Catalog Number	Description
53002-00000	S7400	Medium, Silicone OMNI STAR Full Face Respirator
52002-00000	R7400	Medium, Natural Rubber OMNI STAR Full Face Respirator



OMNI STAR® (Medium)

AO 7 STAR® and OMNI STAR® Respirator Replacement Parts and Accessories (Not Complete Listing)

Product Code	Description
50767-00000	Exhalation Valve Flap (OMNI STAR) (10 per pkg)
50774-00000	Replacement Window Lens for OMNI STAR
50794-00000	Mylar Lens Cover for OMNI STAR (10 per pkg)
51068-00000	Rubber Inhalation Valve Disc (20 per pkg)
51067-00000	Exhalation Valve Flap (AO 7 STAR) (10 per pkg)
51072-00000	Threaded Cartridge Adapter
51497-00000	Replacement Window Lens for AO 7 STAR
51533-00000	Mylar Lens Cover for AO 7 STAR (10 per pkg)
52013-00000	OMNI STAR Prescription Eyewear Insert
52014-00000	AO 7 STAR Prescription Eyewear Insert
50767-00000	Exhalation Valve for OMNI STAR (10 per pkg)

Replacement Parts and Accessories for Threaded Style Cartridge Respirators

Threaded Cartridge Respirators Accessories and Replacement Parts

<i>Product Code</i>	<i>Catalog Number</i>	<i>Description</i>
51061-00000	R37	Rubber Inhalation Valve Disc (20 per Pkg)
51062-00000	R38	Filter Cover for N9500/N9510 and R9500S Filters
51067-00000	R41B	Exhalation Valve Flap (AO 5 STAR, SINGULAR and AO 7 STAR only) (10 per Pkg)
51072-00000	R44	Threaded Cartridge Adapter
51210-00000	R185B	Filter Clip to attach N9500R/N9510 Filter to Cartridge
51230-00000	R195A	Filter Clip to attach R9500R Filter to Cartridge
51246-00000	R42B	Gasket (2 per pkg)

Air Supplying Respirator Fitting to Connect Airline to Air Source

<i>Product Code</i>	<i>Catalog Number</i>	<i>Description</i>
50056-00000	50056	Hansen Quick Connect Coupler With 1/4" Male Pipe Thread
50060-00000	50060	Foster Quick Connect Coupler With 1/4" Male Pipe Thread
50061-00000	50061	Schrader Quick Connect Coupler With 1/4" Male Pipe Thread
50062-00000	50062	1/4 - 3/8" Female Reducer And Bushing
50063-00000	50063	1/4" Male Pipe Thread Taper Fitting Plug For Use With 50060/50061
51517-00000	51517	Hansen Quick Connect Coupler With 3/8" Female Pipe Thread
51545-00000	51545	Hansen Straight Through Quick Connect Plus with 3/8" Male Pipe Thread
51547-00000	51547	Hansen Manual Locking Straight Through Quick Connect Coupling with 3/8" Female Pipe Thread Sleeve Lock

Threaded Cartridge Respirator Fit Testing Accessories

<i>Product Code</i>	<i>Catalog Number</i>	<i>Description</i>
52023-00000	52023	Full Face Mask Front Fitting Plug with Probe for Use with PortaCount®
51171-00000	51171	Threaded Cartridge and Filter Fit Test Adapter Kit for Use with PortaCount®

Air Supplying Respirator Accessories

<i>Product Code</i>	<i>Catalog Number</i>	<i>Description</i>
50311-00000	S5500A	Medium, Silicone AO 5 STAR Air Supply Facepiece
52008-00000	52008	AO 5 STAR Airline Conversion Kit
52006-00000	52006	Airline Kit with Adjustable Flow
56034-00000	56034	50', 3/8" Diameter Airline Hose
56035-00000	56035	50', 1/2" Diameter Airline Hose

Threaded Style Cartridges, Filters and Cartridge/Filter Combinations

All AOSafety cartridges, filters and cartridge/filter combinations are NIOSH approved and are compatible with AOSafety facepieces.

The selection is broad enough to effectively protect against most gases, vapors, dusts, fumes and mists found in the workplace.



R51A & R51HE-P100
R51HE-P100 (R51A Cartridge with P100 Filter)
Organic Vapors and P100: Approved to help protect against organic vapors and solid and liquid particulates that may contain oil (99.97% efficiency).
 Product Code 51488-00000, Box of 10
 Product Code 51451-00000, Bulk of 72

R51A
Organic Vapors: Approved to help protect against organic vapors.
 Product Code 51475-00000, Box of 10
 Product Code 51455-00000, Bulk of 144



R52A & R52HE-P100
R52HE-P100 (R52A Cartridge with P100 Filter)
Acid Gases and P100: Approved to help protect against chlorine, hydrogen chloride, sulfur dioxide, chlorine dioxide, escape only from hydrogen sulfide and solid and liquid particulates that may contain oil (99.97% efficiency).
 Product Code 51489-00000, Box of 10
 Product Code 51452-00000, Bulk of 72

R52A
Acid Gases: Approved to help protect against chlorine, hydrogen chloride, sulfur dioxide, chlorine dioxide and escape only from hydrogen sulfide.
 Product Code 51476-00000, Box of 10
 Product Code 51456-00000, Bulk of 144



R53A & R53HE-P100
R53HE-P100 (R53A Cartridge with P100 Filter)
Organic Vapors, Acid Gases, and P100: Approved to help protect against organic vapors, chlorine, hydrogen chloride, sulfur dioxide, chlorine dioxide, hydrogen fluoride and solid and liquid particulates that may contain oil (99.97% efficiency).
 Product Code 51490-00000, Box of 10
 Product Code 51453-00000, Bulk of 72

R53A
Organic Vapors and Acid Gases: Approved to help protect against organic vapors, chlorine, hydrogen chloride, sulfur dioxide and chlorine dioxide.
 Product Code 51477-00000, Box of 10
 Product Code 51457-00000, Bulk of 144



R54A & R54HE-P100
R54HE-P100 (R54A Cartridge with P100 Filter)
Ammonia and Methylamine and P100: Approved to help protect against ammonia, methylamine and solid and liquid particulates that may contain oil (99.97% efficiency).
 Product Code 51491-00000, Box of 10
 Product Code 51454-00000, Bulk of 72

R54A
Ammonia and Methylamine: Approved to help protect against ammonia and methylamine.
 Product Code 51478-00000, Box of 10
 Product Code 51458-00000, Bulk of 144



R59A
Mercury Vapor: Approved to help protect against mercury vapor and chlorine. With end of service life indicator.
 Product Code 51484-00000, Box of 10



R60A
Formaldehyde: Approved to help protect against formaldehyde.
 Product Code 51485-00000, Box of 10



R61 QUANTUM™ & R61-P100 QUANTUM PLUS™
R61-P100 QUANTUM PLUS™
Approved to help protect against organic vapors, chlorine, hydrogen chloride, sulfur dioxide, chlorine dioxide, ammonia, methylamine, formaldehyde, hydrogen fluoride, nitrogen dioxide, escape only from hydrogen sulfide and solid and liquid particulates that may contain oil (99.97% efficiency).
 Product Code 51089-00000, Box of 10
 Product Code 51099-00000, Bulk of 72

R61 QUANTUM™
Approved to help protect against organic vapors, chlorine, hydrogen chloride, sulfur dioxide, chlorine dioxide, ammonia, methylamine, formaldehyde, hydrogen fluoride, nitrogen dioxide and escape only from hydrogen sulfide.
 Product Code 51088-00000, Box of 10
 Product Code 51098-00000, Bulk of 144



R57B-P100
P100: Approved to help protect against solid and liquid particulates that may contain oil (99.97% efficiency).
 Product Code 51481-00000, Box of 10
 Product Code 51459-00000, Bulk of 144

Filters for attachment to R51A, R52A, R53A, R54A, R59A, R60A and R61 or used alone

N95 Filter for protection against particulates not containing oil.

R95 Filters for protection against particulates that may contain oil.

N9510/N9500R
 N9510/N9500R Product Code 51013-00000, Box of 10
 N9510/N9500R Product Code 51014-00000, Bulk of 50

R9500R
 R9500R Product Code 51057-00000, box of 10
 R9500R Product Code 51058-00000, bulk of 50

Attached to a cartridge with R185B Filter Clip
 R185B Filter Clip Product code 51210-00000

Attached to a chemical cartridge with R195A Filter Clip
 R195A Filter Clip product code 51230-00000

or
 Inserted into a filter holder with R38 Cover
 R38 Cover Product code 51062-00000

R9500S
 R9500S Product Code 51201-00000, box of 10
 R9500S Product Code 51202-00000, bulk of 50

Inserted into filter holder with R38 cover
 R38 Cover product code 51062-00000



ESCAPE ARTIST® Respirator

Mouthbit Respirator with Interchangeable Cartridges

- NIOSH approved
- Soft vinyl mouthpiece for effective lip seal
- Low profile design for maximum visibility
- Comfortable single-action nose clip with non-slip nose pads
- Neck cord and belt clip
- Replacement parts including mouthpieces
- Four different interchangeable cartridges for particulates, acid gases or ammonia
- R9722E chlorine respirator has exclusive End-Of-Service Life indicator
- R9722-N95 model includes N95 filter



ESCAPE ARTIST® Replacement Parts

Product Code	Catalog Number	Description
51067-00000	R41B	Rubber Exhalation Valve Flap (10 per Pkg)
51245-00000	R46	Exhalation Valve Cover
51440-00000	R200	Belt Clip (R9722-N95 Only)
51441-00000	R210	Belt Clip for R9722A, R9722E, R9724A
51438-00000	R198	Mouthpiece with Nose Clip and Cord
51122-00000	R82	Mouthpiece Cover

ESCAPE ARTIST® Mouthbit Respirator

ESCAPE ARTIST® R9700 Escape Mouthbit Reusable Respirators with Interchangeable Cartridges

Product Code	Catalog Number	Description
50815-00000	R9722-N95	Particulates and Acid Gases (chlorine, hydrogen chloride, sulfur dioxide, chlorine dioxide, hydrogen sulfide)
50810-00000	R9722A	Acid Gases (chlorine, hydrogen chloride, sulfur dioxide, chlorine dioxide, hydrogen sulfide)
50827-00000	R9722E	Chlorine and Chlorine Dioxide (with End-of-Service Life Indicator)
50816-00000	R9724A	Ammonia and Methylamine

ESCAPE ARTIST® R9700 Escape Mouthbit Respirators Replacement Cartridges

Product Code	Catalog Number	Description
51427-00000	R722-N95	Particulates and Acid Gases (chlorine, hydrogen chloride, sulfur dioxide, chlorine dioxide, hydrogen sulfide)
51428-00000	R722A	Acid Gases (chlorine, hydrogen chloride, sulfur dioxide, chlorine dioxide, hydrogen sulfide)
51429-00000	R722E	Chlorine and Chlorine Dioxide (with End-of-Service Life Indicator)
51430-00000	R724A	Ammonia and Methylamine

AOSafety Technical Support Tools and Services

Merlin®

Merlin is a user-friendly Microsoft Excel based program that provides cartridge service time estimates based on environmental conditions specified by the user. It provides answers for more than 220 organic vapors, acidic gases and basic gases. Extreme conditions, such as greater than 85% relative humidity or over 100°F, are addressed. Laboratory test data enhances the accuracy of the services time calculations.
FREE by registering on-line at www.aosafety.com

Respirator Selection Guide

An easy-to-carry booklet, specifies respirator type, including the specific cartridge or filter for air purifying respirator recommendations, for over 750 substances! Service life estimations for cartridge change-out schedules are included for air purifying respirator recommendations.
Call 1-800-678-4163 ext. 65842 for a FREE guide.

OSHA Respiratory Protection Standard Compliance Kit

This kit contains all the tools for developing a written respirator program. Kit includes OSHA regulations and inspection procedures, paper and electronic copies of program templates, fit testing protocols, respirator wearer training presentation, fit testing certificates and other forms for putting together a complete program.
Call 1-800-678-4163 ext. 65842 for a FREE kit.

Wall Charts

Offer guidance for selecting the correct cartridge for different environmental situations and provide instructions for proper wear and care of cartridge respirators.
Call 1-800-678-4163 ext. 65842 for FREE charts or contact your AOSafety® representative.

Respirator Wearer Fit Testing and Training

Available through your AOSafety salesperson. He or she can conduct qualitative or quantitative fit testing and provide fit testing and training records, including wallet cards for respirator wearers.
Please contact your AOSafety representative for details.

Technical Support Specialists

These specialists answer questions on all AOSafety products, tools and services and assist the Program Manager with regulatory issues and technical applications.
Please call 1-800-444-4774 for assistance with respiratory program needs.

Training Tools

<i>Product Code</i>	<i>Description</i>
57011-00000	"Fit Testing—A Closer Look" CD-ROM and Video
57012-00001	AOSafety 8000 Series Respirator Wearer Training Video (in English)
57013-00000	AOSafety 8000 Series Respirator Wearer Training Video (in French)

Fit Test Kits

FREE "Fit Testing—A Closer Look" CD-ROM and Video Included

<i>Product Code</i>	<i>Description</i>
50005-00001	Saccharin Qualitative Fit Test Kit
50006-00001	Bitrex Qualitative Fit Test Kit

For Technical Information:

USA and Canada

tel 1 800 444 4774

fax 1 508 764 5640

Other Countries

tel 1 508 764 5721

1 508 764 5273

fax 1 508 764 5640

**To Order or Locate Your
Nearest Stocking Distributor:**

USA

tel 1 800 225 9038

fax 1 800 488 8007

Canada

tel 1 800 387 9681

fax 1 800 488 8007

Other Countries

tel 1 317 692 6643

fax 1 317 656 5828



Respiratory Protection

Aearo Technologies • 8001 Woodland Drive • Indianapolis, IN 46278
www.aosafety.com