



**SCOTT**  
Fire & Safety

# 3M™ Scott™ Air-Purifying Respirators



AV-3000 HT



WELD-O-VISTA



AV-2000



AV-3000 WITH  
SURESEAL

SUPPORTED BY SURELIFE CARTRIDGE CALCULATOR  
Available at [www.ScottSureLife.com](http://www.ScottSureLife.com)

Brochure

# Air-Purifying Respirators

## 742 Series Twin Cartridges

### 742 SERIES TWIN CARTRIDGES

Balanced, lightweight and ergonomically designed with a low profile, the easy-breathing 742 Series twin cartridges are developed for 3M Scott's XCEL, Weld-O-Vista, AV-2000, AV-3000, AV-3000 SureSeal, and AV-3000 HT facepieces.



The 742 Series twin cartridges were designed to provide optimal respiratory protection in non-IDLH industrial or HAZMAT situations. A full range of NIOSH-approved particulate, chemical or combination cartridges are available. Attaches directly to XCEL half masks facepiece. Uses 742 Series quarter-turn adapter when used with AV-Series facepieces.

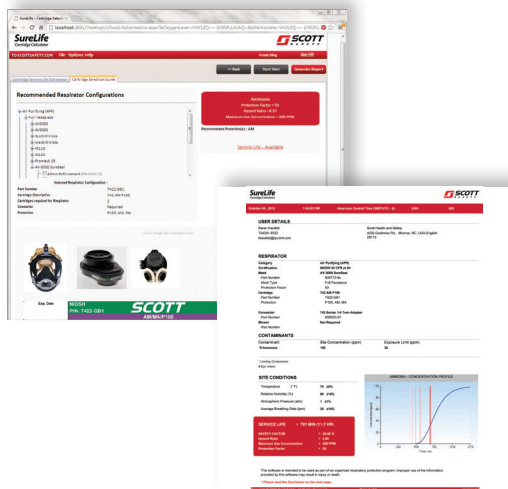
- Use with 3M Scott Fire & Safety half and full facepieces to streamline inventory and training needs
- Quarter-turn bayonet connection is easy to use
- Chemical cartridges offer lowest profile, weight and breathing resistance to reduce user fatigue
- Plus Size cartridges available for extended service life
- Free access to SureLife Cartridge Calculator for assistance with respirator selection and cartridge service life estimation

### SURELIFE CARTRIDGE CALCULATOR

The SureLife Cartridge Calculator is an easy-to-use, web-based program that helps users select the right cartridge for the environmental hazard and generate a changeout schedule for their respiratory protection program.

Users can search for the contaminant by name, CAS or formula and the tool will return a list of all Scott respirators that provide acceptable protection. From there, cartridges can be selected and service life reports are generated.

- Assists with respirator and cartridge selection
- Calculates accurate service life by accounting for site conditions such as temperature and humidity
- Comprehensive reports with site-specific data



[www.ScottSureLife.com](http://www.ScottSureLife.com)

## FACEPIECES WITH TOP-DOWN CONVERTIBILITY



### AV-3000 HT

- Approved with NFPA 2013, 2007, and 2002 Edition Air-Paks
- Single facepiece for APR, PAPR, Supplied Air and SCBA applications
- Innovative materials provide enhanced thermal durability and improved wearer safety
- Market leading facepiece with reverse reflex face seal for superior fit and comfort



### AV-3000 WITH SURESEAL

- Market leading facepiece with reverse reflex face seal for superior fit and comfort
- Single facepiece for APR, PAPR, Supplied Air and SCBA applications
- Large dual voicemitters and extensive communication options



### AV-2000

- Original AV-style facepiece
- Single facepiece for APR, PAPR, Supplied Air and SCBA applications
- Dual voicemitters and electronic communication options



### WELD-O-VISTA

- AV-2000 platform with flip-up welding visor
- APR, PAPR, Supplied Air and SCBA approved applications
- Heat, splatter and impact-resistant lens for maximum protection



### FACEPIECE ADAPTERS FOR TOP-DOWN CONVERTIBILITY

- Adapters enable facepieces to be used in a wide variety of applications (APR, CBRN APR, PAPR)
- 742 Series quarter-turn adapter (shown) enables facepieces to be used with 742 Series twin cartridges
- All adapters attach with a simple quarter turn, making training easy across all applications

All facepieces are available in multiple sizes with Kevlar®, Polyester or Rubber Head Harness options. AV-3000 HT is available in Kevlar only.



## Top-Down Convertibility

3M Scott Fire & Safety offers a range of facepieces that are interchangeable with Scott's line of SCBA, Supplied Air, PAPR and APR respirators. Having a single facepiece for all respiratory applications helps ensure reduced facepiece inventory, reduced fit testing and easier training for overall reduced cost of ownership.



# ORDERING INFORMATION\*

AV-3000 HT Facepiece	
Part Number	Size
<b>Kevlar Head Harness</b>	
201215-01	Small
201215-02	Large
201215-03	X-Large

AV-3000 Facepiece with SureSeal	
Part Number	Size
<b>Kevlar Head Harness</b>	
805773-81	Small
805773-82	Medium
805773-83	Large
<b>Polyester Head Harness</b>	
805774-81	Small
805774-82	Medium
805774-83	Large
<b>Rubber Head Harness</b>	
805775-81	Small
805775-82	Medium
805775-83	Large

AV-2000 Facepiece	
Part Number	Size
<b>Kevlar Head Harness</b>	
804191-71	Small
804191-72	Large
804191-73	X-Large
804191-74	Comfort Seal
<b>Polyester Head Harness</b>	
804069-19	Small
804069-20	Large
804069-21	X-Large
804069-28	Comfort Seal

Weld-O-Vista Facepiece	
Part Number	Size
<b>Kevlar Head Harness</b>	
805438-01	Small
805438-02	Large
805438-03	X-Large
805438-08	Comfort Seal

742 Series Twin Cartridges	
Part Number	Description
<b>Filter Pairs</b>	
7422-WA1	Acid Gas
7422-WB1	Acid Gas/P100
7422-GA1	Ammonia/Methylamine
7422-GB1	Ammonia/Methylamine/P100
7422-MA1	Mercury Vapor/Chlorine (w/ ESLI)
7422-MB1	Mercury Vapor/Chlorine/P100 (w/ ESLI)
7422-SC1	Multipurpose
7422-SD1	Multipurpose/P100
7422-CD1	Multipurpose/P100 + Tear Gas (CS/CN)
7422-BA1	Organic Vapor
7422-BB1	Organic Vapor/P100
7422-YC1	Organic Vapor/Acid Gas
7422-YD1	Organic Vapor/Acid Gas/P100
7422-FP1	Particulate, P100 Filter
7422-FN5	Particulate, N95 Filter (50 pair of 7422-FN1)
7422-PD1	TEDA (radioiodine), Chlorine/P100

Accessories	
Part Number	Description
<b>Facepiece Accessories</b>	
805622-01	742 Series Twin Cartridge 1/4 Turn Adapter
012698	Lens Cover, Package of 10 (AV-3000, Promask)
803941-25	Lens Cover, Package of 25 (AV-2000)
31001876	Wescodyne Plus, 16 oz with spray attachment (6 Bottles)**
805534-01	Fleece Facepiece Bag
<b>Prescription Lens Kits</b>	
Available for all facepieces. Options and part numbers vary by facepiece.	
<b>Particulate Filter Accessories</b>	
7422-FC4	N95 Filter Cover, Reusable (5 pair of covers, 7422-FC1). Cover attaches N95 to chemical cartridge.
7422-FE4	N95 Filter Cover with Retainer, Reusable (5 pair of 7422-FE1). Holds the N95 filter for stand alone use.
<b>Fit Check Seal Kit</b>	
7422-FG4	Box of 5 Pair of 7422-FG1 (Filter Cover + Gasket)
<b>Fit Testing Accessories</b>	
7422-FT1	Quantitative Fit Test Adapter Kit (use with 7422 FP1)
2017070	Bitrex Qualitative Fit Test Kit
8005228	AVIVA Plastic Bag Probed Version (Case of 3-1S, 1M, 1L)

\*For additional facepieces or accessories, contact 3M Scott Fire & Safety.

\*\*Wescodyne is recommended for cleaning and disinfecting AV-Series facepieces. To learn more, call your 3M Scott regional manager or authorized distributor. Kevlar is a registered trademark of E.I. Du Pont de Nemours and Company. H/S 6411C\_EN 3/17 ISO 9001 Registered. All rights reserved. Scott technical support or customer service: 1-800-247-7257

# Air-Purifying Respirators

Selection Guide for 742 Series Twin Cartridges



742 SERIES CARTRIDGES		HAZARD CODE	APPROVED FOR RESPIRATORY PROTECTION AGAINST ATMOSPHERES CONTAINING THESE RESPIRATORY HAZARDS							
			PARTICULATE	ACID GASES (AG)	ORGANIC VAPORS (OV)	AMMONIA/METHYLAMINE	FORMALDEHYDE	MERCURY VAPOR/CHLORINE	TEDA/CHLORINE	TEAR GAS (CS/CN)
7422-WA1	Acid Gas			●						
7422-WB1	Acid Gas/P100		●	●						
7422-GA1	Ammonia/Methylamine					●				
7422-GB1	Ammonia/Methylamine/ P100		●			●				
7422-MA1	Mercury Vapor/Chlorine (w/ ESLI)							●		
7422-MB1	Mercury Vapor/Chlorine P100 (w/ ESLI)		●					●		
7422-SC1	Multipurpose			●	●	●	●			
7422-SD1	Multipurpose/P100		●	●	●	●	●			
7422-CD1	Multipurpose/P100 + Tear Gas (CS/CN)		●	●	●	●	●			●
7422-BA1	Organic Vapor				●					
7422-BB1	Organic Vapor/P100		●		●					
7422-YC1	Organic Vapor/Acid Gas			●	●		●			
7422-YD1	Organic Vapor/Acid Gas/P100		●	●	●		●			
7422-FP1	Particulate, P100		●							
7422-FN1 WITH 7422-FE1	Particulate, N95 Filter with retainer and cover		●							
7422-PD1	TEDA (radioiodine), Chlorine/P100							●		

## 742 Series twin cartridge APR respirators. Color key below.

<p><b>ACID GAS (AG)</b> Approved for respiratory protection against atmospheres containing chlorine, chlorine dioxide, hydrogen chloride, hydrogen fluoride, hydrogen sulfide or sulfur dioxide.*</p> <p><b>AMMONIA/METHYLAMINE (AM)</b> Approved for protection against atmospheres containing ammonia or methylamine.*</p> <p><b>FORMALDEHYDE (FM)</b> Approved for respiratory protection against atmospheres containing formaldehyde.*</p> <p><b>ORGANIC VAPORS (OV)</b> Approved for respiratory protection against atmospheres containing organic vapors.*</p>	<p><b>MERCURY VAPOR/CHLORINE (HGCL)</b> Approved for respiratory protection against atmospheres containing chlorine or mercury vapor.* End-of-Service Life Indicator (ESLI) detects mercury vapors only.</p> <p><b>MULTI-PURPOSE CARTRIDGE (MPC)</b> Approved for respiratory protection against atmospheres containing ammonia, chlorine, chlorine dioxide, formaldehyde, hydrogen chloride, hydrogen fluoride, hydrogen sulfide, methylamine, organic vapors or sulfur dioxide.*</p> <p><b>ORGANIC VAPORS/ACID GASES (OA)</b> Approved for respiratory protection against atmospheres containing chlorine, chlorine dioxide, formaldehyde, hydrogen chloride, hydrogen fluoride, hydrogen sulfide, organic vapors or sulfur dioxide.*</p>	<p><b>P100</b> Particulate filter effective against all particulate aerosols. This filter has an efficiency level of 99.97%.</p> <p><b>N95</b> Particulate filter effective against all particulate aerosols free of oils; time use restrictions may apply. This filter has efficiency level of 95%.</p> <p><b>TEDA (radioiodine)/CHLORINE/P100</b> Scott recommends this cartridge pair, for respiratory protection in atmospheres containing radioiodine compounds (including iodine, hypoiodous acid and methyl iodide) and noxious particles and radionuclides bound to, or part of, those noxious particles.</p>
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For technical support or customer service, call 1-800-247-7257. For assistance with respirator or cartridge selection, or to calculate service life, visit [www.ScottSureLife.com](http://www.ScottSureLife.com).

CAUTIONS, LIMITATIONS AND WARNING SIGNS  
AIR PURIFYING RESPIRATORS ARE FOR USE ONLY IN ENVIRONMENTS WHICH ARE NOT IMMEDIATELY DANGEROUS TO LIFE OR HEALTH (IDLH) WHERE THE OXYGEN LEVELS ARE ABOVE 19.5%.

For a full NIOSH-certified equipment list, visit <http://www.cdc.gov/niosh/nppt/topics/respirators/cel>.  
Kevlar is a registered trademark of E.I. Du Pont de Nemours and Company.

\*Do not exceed maximum use concentrations established by regulatory standards. In the absence of a contaminant standard, refer to the NIOSH Respirator Decision Logic publication. WARNING: Improper use of these respirators may result in personal injury or death. Improper use includes, but is not limited to, use without adequate training, disregard of the warnings and instructions and failure to inspect and maintain these respirators. These respirators are intended to be used in conjunction with an organized respiratory protection program which complies with the requirements of American National Standard for Respiratory Protection, Z88.2-1992, available from American National Standards Institute Inc., 11 West 42nd Street, New York, NY 10036 or the requirements of OSHA Safety and Health Standard 29 CFR 1910.134 and/or 29 CFR 1910.139 available from the U.S. Department of Labor, Occupational Safety and Health Administration or other pertinent nationally recognized standards, such as those promulgated by the U.S. Coast Guard or the Department of Defense or in Canada, CSA Z94.4-1993. These respirators are not intended for use in atmospheres which are, or may become, immediately dangerous to life or health (IDLH) or in atmospheres where the identity and/or the concentration of the contaminant is unknown.

Monroe Corporate Center, P.O. Box 569, Monroe, NC 28111 | Telephone: 800.247.7257 | Facsimile: 704.291.8330, [www.3mScott.com](http://www.3mScott.com)  
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## 742 SERIES Twin Cartridges



**N95 Filter**  
Use with filter cover and retainer (7422-FE1), or use with filter cover (7422-FC1) to snap onto any chemical cartridge.  
PN: 7422-FN1 (case = 7422-FN5)



**P100 Filter**  
Particulate Protection  
PN: 7422-FP1



**Standard Chemical Cartridge**  
PN: 7422-1A1



**Standard Combination Cartridge with P100**  
PN: 7422-1B1



**PLUS SIZE Chemical Cartridge**  
PN: 7422-1C1



**Plus Size Combination Cartridge with P100**  
PN: 7422-1D1

† Refer to the Filter Matrix for specific part numbers

## Facepieces with Top-Down Convertibility



**AV-3000 HT**

- Approved with NFPA 2013, 2007, and 2002 Edition Air-Paks
- Single facepiece for APR, PAPR, Supplied Air and SCBA applications
- Innovative materials provide enhanced thermal durability and improved wearer safety



**AV-3000 with SureSeal**

- Market leading facepiece with reverse reflex face seal for superior fit and comfort
- Single facepiece for APR, PAPR, Supplied Air and SCBA applications
- Large dual voicemitters and extensive communication options



**AV-2000**

- Original AV-style facepiece
- Single facepiece for APR, PAPR, Supplied Air and SCBA applications
- Dual voicemitters and electronic communication options



**WELD-O-VISTA**

- AV-2000 platform with flip-up welding visor
- APR, PAPR, Supplied Air and SCBA approved applications
- Heat, splatter and impact-resistant lens for maximum protection

All facepieces are available in multiple sizes with Kevlar® Polyester or Rubber Head Harness options. AV-3000 HT is available in Kevlar only.



**742 series Adapter (Quarter Turn)**  
When using your Top-Down Convertible facepieces, this adapter is used to attach 742 Series cartridges to the facepiece.  
PN: 805622-01



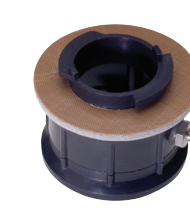
**N95 Filter COVER AND RETAINER**  
Reusable cover and retainer holds the N95 filter for standalone use.  
PN: 7422-FE1 (shown) (case = 7422-FE4)



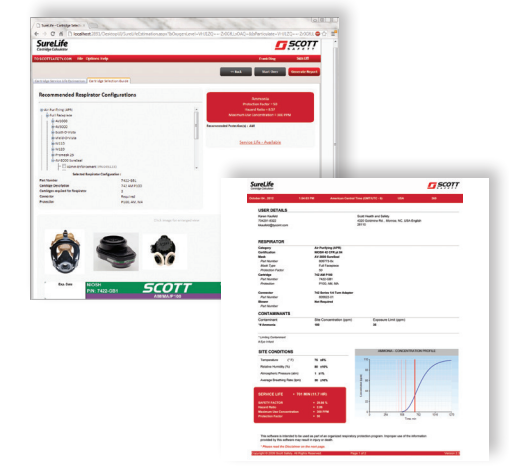
**N95 FILTER COVER**  
Reusable cover attaches N95 filter to a chemical cartridge (as shown).  
PN: 7422-FC1 (shown) (case = 7422-FC4)



**Fit Check SEAL KIT**  
Includes filter cover and gasket. Use with 742 Series chemical cartridge to facilitate negative pressure leak check.  
PN: 7422-FG1 (shown) (case = 7422-FG4)



**742 Series Fit Test Adapter**  
Fit test probed adapters are available for quantitative fit testing of AV-Series facepieces (use with the 742 Series Quarter Turn Adapter), Promask 25 facepiece, AVIVA half mask, or XCEL half mask.  
PN: 7422-FT1



Supported by Surelife cartridge calculator Available at [www.ScottSureLife.com](http://www.ScottSureLife.com)