



# Constant Flow Air-Line Respirators

Now Available with G1 Facepiece



## Features

- Full-facepiece protection with G1 and Advantage® 4100 facepiece options. Ultra Elite and Ultravue facepieces also approved for use.
- Ideal for use in shipbuilding, utilities, chemical, petrochemical, and pharmaceutical industries.
- A wide range of applications including welding, painting and handling certain hazardous materials in non-IDLH environments
- Complete assemblies are available and include a web support belt, air-flow control valve with quick disconnect, breathing tube and a choice of facepiece.



**WE KNOW WHAT'S AT STAKE.**

## Complete Assemblies

	G1 Facepiece <i>Medium size</i>	Advantage 4100 Facepiece <i>Medium size</i>	No Facepiece May be used with any approved facepieces <i>Includes G1 adapter</i>	Quick-disconnect
<b>Constant Flow Complete Assemblies</b> <b>High-pressure control valve</b> (35–40 psig inlet pressure for 8–300 ft. of hose)	10250824	10088132	10250832	Snap-Tite aluminum
	10250825	10088134	10250833	Foster/Schrader steel
	10250826	10088136	10250834	Hansen brass
	10250827	10088135	10250835	CEJN Locking chrome-plated brass
<b>Constant Flow Complete Assemblies</b> <b>Low-pressure control valve</b> (10–15 psig inlet pressure for 8–50 ft. of hose)	10250828	10088107	10250836	Snap-Tite aluminum
	10250829	10088109	10250837	Foster/Schrader steel
	10250830	10088121	10250838	Hansen brass
	10250831	10088110	10250839	CEJN Locking chrome-plated brass

## G1 Facepiece

Description	Small	Medium	Large
G1 Facepiece with 4-pt. polyester head harness	10188954	10188955	10188956
G1 Facepiece with rubber head harness	10156461	10156462	10156463
G1 Facepiece with 4-pt. Kevlar head harness	10156458	10156459	10156460
G1 Facepiece with 5-pt. Kevlar head harness	10161812	10161813	10161814

See G1 Facepiece Assemble to Order (ATO) matrix for additional options.

## G1 Facepiece Accessories

Part No.	Description
10144231-SP	Single Port APR Adapter
10199720	Twin Port APR Adapter
10246693	G1 Lens Cover, clear
10246694	G1 Cover Lens, smoke

Part No.	Description
10144230	Spectacle Kit
805078	Quik-Check III Fit Test Adapter*
10056424	Advantage Fit Test Adapter**

\*Single port APR Adapter Required

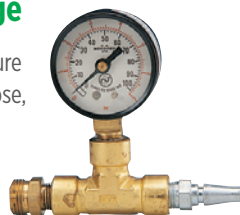
\*\*Twin port APR Adapter Required



G1 Facepiece

## Inlet Pressure Gauge

Enables user to check pressure at inlet of MSA air-supply hose, thereby assuring that air pressure is within certified range



Part No.	Description
476734	Inlet pressure gauge, w/Snap-Tite fitting
476735	Inlet pressure gauge, w/Foster or Schrader fitting
476737	Inlet pressure gauge, w/Hansen fitting
492586	Inlet pressure gauge, less quick-disconnect*

\*See chart on p. 3 for quick-disconnects for inlet pressure gauge.

## Control Valve with Quick-Disconnect Assembly

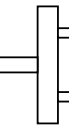





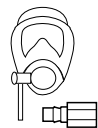


High-pressure control valve, gold, inlet pressure range of 35–40 psig for hose lengths of 8 to 300 feet.  
Low-pressure control valve, black, inlet pressure range of 10–15 psig for hose lengths of 8 to 50 feet.

## Accessories




Part No.	Description
492827	Polyurethane-Coated-Nylon Belt, standard on all PAPRs
473902	PVC Waist Belt
9961	Uncoated-Nylon Web Waist Belt
457158	Replacement Breathing Tube
10009971	MSA Confidence® Plus 2 Germicidal Cleaner

## Quick-Disconnects for Air-Line Respirators

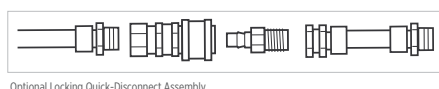
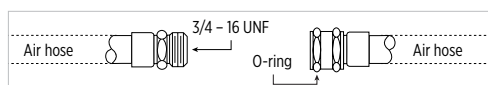
STANDARD AIR-LINE SETUP						
<b>Note:</b> Respirator approvals include all fittings and hoses from the respirator up to, but not including, the manifold/point of attachment to the air source. Breathing air couplings and fittings must be incompatible with other non-respirable air or other gas systems.						
Manifold/ Point of Attachment	QD 1 Female Socket 1/4" NPT	QD 2 Male Plug w/Female 1/4" NPT	QD 3 Union Adapter 1/4" NPT x 3/4" UNF	Air-Line Hose	QD 4 Female Socket Assembly	Respirator
 Dual outlet shown. Images not to scale.						
<b>Quick-Disconnects &amp; Adapters</b> (AL) = Aluminum (S) = Steel (SST) = Stainless Steel (BR) = Brass <b>Interchangeability A B C D E F</b> <small>Fittings with the same letter code are interchangeable</small>	Used at manifold or point of attachment to air source.	Plugs into the female socket (QD 1) at the manifold or point of attachment. Also installed on the respirator to plug into socket assembly (QD 4).	Used at the end of the air line hose to connect to the male plug (QD 2). Teflon tape used to attach to the male plug.	See air-line hose information on the following page. A maximum total 300' and 6 hose sections is allowed on most pressure demand and high pressure	Used to connect air-supply hose to male plug (QD 2) on respirator.	Male plug (QD 2) connects respirator to female socket assembly.
<b>Snap-Tite (AL) C</b>	<b>66272</b>	<b>66274</b>	<b>69542</b>		<b>455019</b>	
<b>Snap-Tite (SST) C</b>	<b>629673</b>	<b>629672</b>	<b>808358</b>		<b>471778</b>	
<b>Snap-Tite (BR) C</b>	<b>630305</b>	<b>630307</b>	<b>69542</b>		<b>471777</b>	
<b>Hansen (SST) A</b>	<b>628768</b>	<b>628208</b>	<b>808358</b>		<b>471779</b>	
<b>Hansen (BR) D</b>	<b>630311</b>	<b>630313</b>	<b>69542</b>		<b>471501</b>	
<b>Foster (S) B</b>	<b>628770</b>	<b>55716</b>	<b>69542</b>		<b>467044</b>	
<b>Foster (SST) B</b>	<b>636459</b>	<b>636460</b>	<b>808358</b>		<b>801016</b>	
<b>Foster (BR) A</b>	<b>629980</b>	<b>629981</b>	<b>69542</b>		<b>470194</b>	
<b>Schrader (S) B</b>	<b>SEE FOSTER (S)</b>	<b>SEE FOSTER (S)</b>	<b>SEE FOSTER (S)</b>		<b>SEE FOSTER (S)</b>	
<b>CEJN Locking (Chrome-Plated BR) E</b>	<b>631870</b>	<b>479026</b>	<b>69542</b>		<b>479001</b>	
<b>CEJN Locking (Chrome) E</b>	—	<b>479026</b>	<b>69542</b>		<b>476956</b>	
<b>Snap-Tite Locking (AL) F</b>	—	<b>479027</b>	<b>69542</b>		<b>479032</b>	
<b>Snap-Tite Locking (SST) F</b>	—	<b>479028</b>	<b>808358</b>		<b>479033</b>	
<b>Snap-Tite Locking (BR) F</b>	—	<b>479029</b>	<b>69542</b>		<b>479034</b>	
<b>Foster Locking (SST) D</b>	<b>636473</b>	<b>637851</b>	<b>808358</b>		<b>800805</b>	

## Approved Air-Supply Hose (3/8" ID)

Must be used with respirators to maintain NIOSH certifications

Description	Temperature Ranges	Length				
		8 ft.	15 ft.	25 ft.	50 ft.	100 ft.
 <b>Neoprene Air-Supply Hose</b>	-25° to 212°F					
		<b>481071</b>	<b>455020</b>	<b>455021</b>	<b>455022</b>	—
		<b>481077</b>	<b>481078</b>	<b>481079</b>	<b>481080</b>	—
 <b>PVC Air-Supply Hose</b>	32° to 120°F					
		<b>481051</b>	<b>471511</b>	<b>471512</b>	<b>4715123</b>	<b>484225</b>
		<b>481057</b>	<b>481058</b>	<b>481059</b>	<b>481060</b>	—
 <b>Coiled Nylon Air-Supply Hose</b>	0° to 160°F					
		<b>491513<sup>1</sup></b>	<b>491514<sup>1</sup></b>	<b>491515<sup>1</sup></b>	<b>474043<sup>1</sup></b>	—

<sup>1</sup> Recommended usable length 4–25 ft



**Note:** Do not use non-locking quick-disconnects to interconnect air supply hoses. Locking quick-disconnects may be used or hoses may be threaded together directly as shown at left.



## Locking Quick-Disconnects for Air-Supply Hose

Locking quick-disconnects are the only means to interconnect lengths of MSA air-supply hose (besides directly threading the air-supply hose together). For most systems, you can use up to 12 sections of hose to make up maximum length.

Part No.	Description
<b>479009</b>	CEJN locking quick-disconnect assembly, socket and plug (CHROME)
<b>476956</b>	CEJN locking female quick-disconnect socket (CHROME)
<b>476955</b>	CEJN locking male (w/male 3/4" NPT) quick-disconnect plug (CHROME)

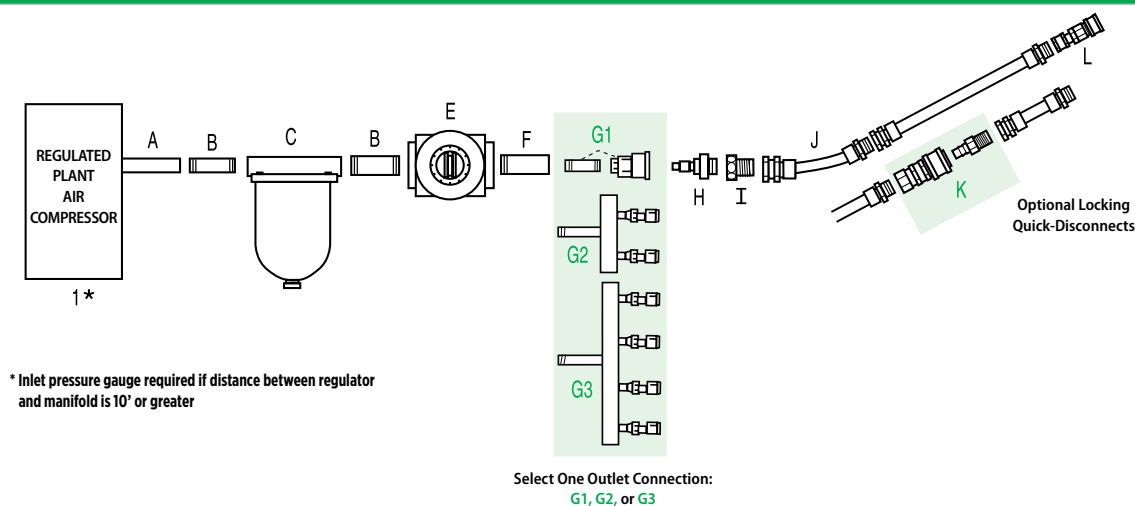
**Note:** Do not use non-locking quick-disconnects to interconnect air supply hoses. Locking quick-disconnects may be used or hoses may be threaded together directly.

Part No.	Description
<b>479010</b>	Snap-Tite locking quick-disconnect assembly, socket and plug (AL)
<b>479032</b>	Snap-Tite locking female quick-disconnect socket (AL)
<b>479015</b>	Snap-Tite locking male (w/male 3/4" NPT) quick-disconnect plug (AL)
<b>479011</b>	Snap-Tite locking quick-disconnect assembly, socket and plug (SST)
<b>479033</b>	Snap-Tite locking female quick-disconnect socket (SST)
<b>479016</b>	Snap-Tite locking male (w/male 3/4" NPT) quick-disconnect plug (SST)

## Air Delivery Systems and Accessories

Type-C Supplied-Air Respirators, more commonly referred to as air-line respirators, are designed to provide long-duration respiratory protection. MSA Supplies a number of accessory components for these systems. For in-depth information on these systems, please see MSA Bulletin 0114-14-MC.

### TYPICAL PLANT-SUPPLIED AIR-LINE SYSTEMS: CONSTANT FLOW OR PRESSURE DEMAND SYSTEM



<b>1</b>	PLANT AIR COMPRESSOR	Not supplied by MSA
<b>A</b>	OUTLET FITTING FOR SYSTEM	Varies with system
<b>B</b>	NIPPLE	(1/2" x 1/2" x 1-1/2" NPT) P/N 68833
<b>C</b>	AIR LINE FILTER	P/N 81857, Replacement Filter Kit P/N 484923
<b>E</b>	PRESSURE REGULATOR	P/N 66716
<b>F</b>	OUTLET CONNECTIONS	Bushing (1/2" M x 1/4" F) P/N 625528
<b>G1</b>	FEMALE SOCKET NIPPLE	Female Socket-P/N varies with type (See p. 2-column QD 1) Nipple-1/4" x 1/4" NPT-(needed only w/Female Socket) P/N 459867
<b>G2</b>	2-OUTLET MANIFOLD	Foster Steel P/N 84416    Snap-Tite Aluminum P/N 486053
<b>G3</b>	4-OUTLET MANIFOLD	Foster Steel P/N 474370    Snap-Tite Aluminum P/N 93931

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. MSA is a registered trademark of MSA Technology, LLC in the US, Europe, and other Countries. For all other trademarks visit <https://us.msasafety.com/Trademarks>.

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