



G1™ Cadet Supplied-Air Respirator

Pressure-demand, Type C supplied-air respirator with mask-mounted regulator for use in non-IDLH environments



WE KNOW WHAT'S AT STAKE.

G1 Cadet Supplied-Air Respirator

The **G1 Cadet** is a pressure-demand, Type C supplied-air respirator with mask-mounted regulator for use in non-IDLH environments. The G1 facepiece can support multiple applications and respirator platforms including Supplied Air, SCBA, APR, and PAPR.

- The G1 Facepiece provides a wide field of view and is available with choice of rubber, polyester or Kevlar head harness to meet your specific needs such as decontamination, comfort and heat/spark resistance.
- Regulator hose lengths in either 30" or 42" lengths can accommodate front, or back positioning of the air line attachment.
- Comfortable waist belt options include secure attachment and nomex, nylon or urethane coating to meet the specific use, comfort, decontamination needs of the work environment.
- Regulator keeper on belt provides secure mounting when not in use.
- Select from a full line of fittings to meet your installation and facility needs.
- Multiple hose options and lengths to provide up to 300' of air supply.
- Compatible with multiple G1 based respirator platforms to support a complete respiratory program.

G1 Cadet Respirator Options

Part Number	Waist Belt	Regulator — Hose Length	Facepiece
10239083	Nomex	42"	G1 Medium with 5 pt. Kevlar
10225585	Nylon		G1 Medium with Rubber
10225594	Nylon		G1 Medium with Poly Cloth
10225589	Nomex		None
10225591	Nylon		
10225593	Urethane		
10225587	Nomex	30"	G1 Medium with 5 pt. Kevlar
10225586	Nylon		G1 Medium with Rubber
10225584	Nylon		G1 Medium with Poly Cloth
10225588	Nomex		None
10225590	Nylon		
10225592	Urethane		



Support Belt Options

All three belts accommodate waists up to 48 inches.

Part Number	Description
494030	Nylon web support belt
492827	Polyurethane-coated nylon support belt, black
802811	Nomex support belt

Facepiece Options

Part Number	Description
10188954	G1 Facepiece, small, 4-pt. polyester head harness
10188955	G1 Facepiece, medium, 4-pt. polyester head harness
10188956	G1 Facepiece, large, 4-pt. polyester head harness
10156461	G1 Facepiece, small, rubber head harness
10156462	G1 Facepiece, medium, rubber head harness
10156463	G1 Facepiece, large, rubber head harness
10156458	G1 Facepiece, small, 4-pt. Kevlar head harness
10156459	G1 Facepiece, medium, 4-pt. Kevlar head harness
10156460	G1 Facepiece, large, 4-pt. Kevlar head harness
10161812	G1 Facepiece, small, 4-pt. Kevlar head harness
10161813	G1 Facepiece, medium, 4-pt. Kevlar head harness
10161814	G1 Facepiece, large, 4-pt. Kevlar head harness

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

G1 Facepiece Accessories

The G1 Facepiece can support an entire respiratory program. Additional product platforms supported include: G1 SCBA, Twin Cartridge APR, Mask Mounted and Belt Mounted PAPR, CBRN, Gas Mask and First Responder Platforms.

Part Number	Description
10144230	Spectacle Kit
10144231-SP	Single Port APR Adapter
10199720	Twin Port APR Adapter
10225911	G1 Lens Cover, Clear
10225951	G1 Cover Lens, Smoke
805078	Quik-Check III Fit Test Adapter*
10056424	Advantage Fit Test Adapter**

*Single port APR Adapter Required

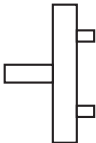




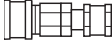

**Twin port APR Adapter Required

Quick-Disconnects for Air-Line Respirators

Quick-disconnect assemblies connect the respirator to air-supply hoses to the manifold at the air source.

Standard Air-Line Setup




Note: 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
 <p>Dual outlet shown. Images not to scale.</p>						
<p>Quick-Disconnects & Adapters (AL) = Aluminum (S) = Steel (SST) = Stainless Steel (BR) = Brass</p> <p>Interchangeability A B C D E F Fittings with the same letter code are interchangeable</p>	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 constant flow setups.	Used to connect air-supply hose to male plug (QD 2) on respirator.	Male plug (QD 2) connects respirator to female socket assembly.
SNAP-TITE (AL) C	66272	66274	69542		455019	
SNAP-TITE (SST) C	629673	629672	808358		471778	
SNAP-TITE (BR) C	630305	630307	69542		471777	
HANSEN (SST) A	628768	628208	808358		471779	
HANSEN (BR) D	630311	630313	69542		471501	
FOSTER (S) B	628770	55716	69542		467044	
FOSTER (SST) B	636459	636460	808358		801016	
FOSTER (BR) A	629980	629981	69542		470194	
SCHRADER (S) B	See Foster (S)	See Foster (S)	See Foster (S)		See Foster (S)	
CEJN LOCKING (CHROME-PLATED BR) E	631870	479026	69542		479001	
CEJN LOCKING (CHROME) E	—	479026	69542		476956	
SNAP-TITE LOCKING (AL) F	—	479027	69542		479032	
SNAP-TITE LOCKING (SST) F	—	479028	808358		479033	
SNAP-TITE LOCKING (BR) F	—	479029	69542		479034	
FOSTER LOCKING (SST) D	636473	637851	808358		800805	

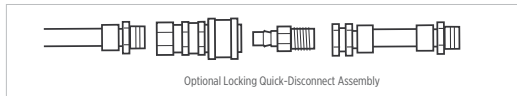
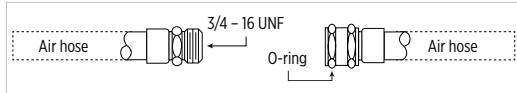
For more information, please see MSA's Pocket Guide to Air-Line Systems (Bulletin 0114-28-MC).

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

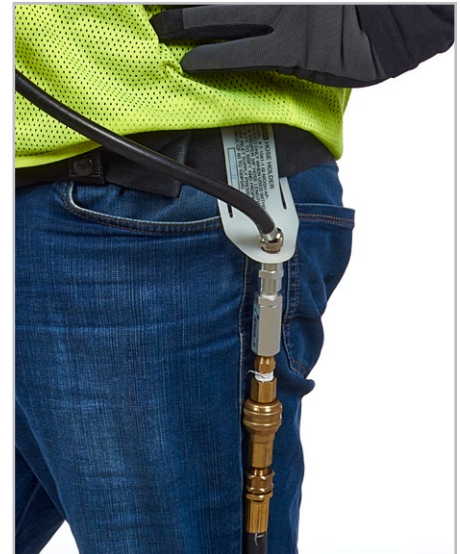
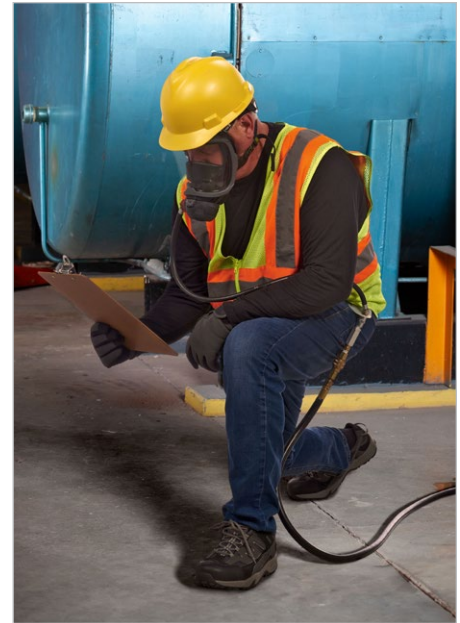
- Available in smooth, reinforced, lightweight polyvinylchloride (PVC); chemical-resistant black neoprene; or smooth, coiled nylon
- Must be used with respirators in this section to maintain NIOSH certifications

		Temperature Ranges	Brass Hose Coupling	Stainless Steel Hose Coupling	Length
NEOPRENE AIR-SUPPLY HOSE 		-25° to 212°F	481071	481077	8 ft.
			455020	481078	15 ft.
			455021	481079	25 ft.
			455022	481080	50 ft.
PVC AIR-SUPPLY HOSE 		32° to 120°F	481051	481057	8 ft.
			471511	481058	15 ft.
			471512	481059	25 ft.
			471513	481060	50 ft.
			484225	—	100 ft.
COILED NYLON AIR-SUPPLY HOSE 		0° to 160°F	491513 ¹	—	8 ft.
			491514 ¹	—	15 ft.
			491515 ¹	—	25 ft.
			474043 ¹	—	50 ft.

¹Recommended 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.

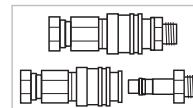


Locking Quick-Disconnects for Air-Supply Hose

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.

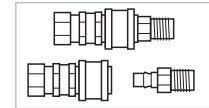
CEJN LOCKING QDs	479009	CEJN locking quick-disconnect assembly, socket and plug (CHROME)
	476956	CEJN locking female quick-disconnect socket (CHROME)
	476955	CEJN locking male (w/ male 3/4" NPT) quick-disconnect plug (CHROME)
SNAP-TITE LOCKING QDs	479010	Snap-Tite locking quick-disconnect assembly, socket and plug (AL)
	479032	Snap-Tite locking female quick-disconnect socket (AL)
	479015	Snap-Tite locking male (w/ male 3/4" NPT) quick-disconnect plug (AL)
	479011	Snap-Tite locking quick-disconnect assembly, socket and plug (SST)
	479033	Snap-Tite locking female quick-disconnect socket (SST)
	479016	Snap-Tite locking male (w/ male 3/4" NPT) quick-disconnect plug (SST)

CEJN Quick-Disconnect Socket & Plug Assembly



CEJN Q-D Socket
CEJN Q-D Plug

Snap-Tite Quick-Disconnect Socket & Plug Assembly



Snap-Tite Q-D Socket
Snap-Tite Q-D Plug

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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