



MSA G1 PremAire® Cadet Escape

The MSA G1 PremAire Cadet Escape Respirator is a combination supplied-air respirator that is used for entry into or escape from hazardous, confined space or immediately dangerous to life or health atmospheres.



WE KNOW WHAT'S AT STAKE.

The G1 PremAire® Cadet Escape is a combination supplied-air-respirator with escape cylinder that features a streamlined, lightweight design and incorporates one of the most technologically advanced, lightest and lowest profile facepieces on the market today. The G1 Facepiece can support a complete respiratory program including SCBA, Air Line Respirators, APR and PAPR.

G1 PremAire Cadet Escape Respirator features include:

- One-piece cylinder valve and first-stage regulator that streamlines the apparatus and reduces weight for easier use in confined spaces.
- Low-profile escape cylinders that can be worn on either right or left hip, making movements easier in tight spaces.
- Shoulder support strap that incorporates hose keeper; regulator hose stays close to body to reduce snagging.
- Escape cylinders rated at 5-, 10- and 15-minutes.
- Pressure gauge recessed into valve housing that protects gauge and reduces size and profile.
- Two harness materials: standard nylon for chemical resistance and Kevlar for high heat environments or those with spark potential.

G1 PremAire Cadet Escape Respirators

Part No.	Description
10192832	G1 PremAire Cadet Escape Air-Line Respirator, 5-minute aluminum cylinder, nylon carrier, G1 facepiece with rubber head harness, Hansen brass fittings, with case
10192833	G1 PremAire Cadet Escape Air-Line Respirator, 5-minute aluminum cylinder, nylon carrier, G1 facepiece with rubber head harness, no fittings, no case
10192834	G1 PremAire Cadet Escape Air-Line Respirator, 5-minute aluminum cylinder, nylon carrier, no facepiece, no fittings, no case
10192835	G1 PremAire Cadet Escape Air-Line Respirator, 5-minute aluminum cylinder, nylon carrier, no facepiece, Hansen brass fittings, no case
10167678	G1 PremAire Cadet Escape Air-Line Respirator, 15-minute carbon egress cylinder, kevlar strap carrier/harness, G1 Facepiece, 4 pt adjustable head harness, less fittings, hard case
10167679	G1 PremAire Cadet Escape Air-Line Respirator, 15-minute carbon egress cylinder, kevlar strap carrier/harness, G1 Facepiece, 4 pt adjustable head harness, Hansen brass fittings, less case
10167680	G1 PremAire Cadet Escape Air-Line Respirator, 10-minute carbon egress cylinder, nylon strap carrier/harness, G1 Facepiece, 5 pt adjustable head harness, less fittings, less case



G1 Facepieces

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



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
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

Upgrade Kits Upgrade Premaire Cadet Escape to G1 Version.

Part No.	Description
10169979	Premaire Cadet Escape G1 Upgrade Kit for Kevlar harness
10169980	Premaire Cadet Escape G1 Upgrade Kit for nylon harness

Note: Upgrade to G1 Premaire Cadet escape requires installation by CARE certified service center and flow test.

G1 PremAire® Cadet Escape Respirator

Ordering Selection Matrix



A Type

PCG PremAire Cadet Escape G1

B Carrier & Harness Type

- 1 Nylon, strap carrier, standard
- 2 Kevlar, strap carrier, standard
- 3 Nylon, bag carrier, standard
- 4 Kevlar, bag carrier, standard

Notes:

Aluminum escape cylinders are not compatible with bag carriers.

C Pad Option

- 0 None
- 1 Shoulder

D Escape Cylinder

- A 5-minute aluminum
- B 10-minute aluminum
- C 5-minute carbon
- D 10-minute carbon
- E 15-minute carbon
- F 5-minute aluminum, less air
- G 10-minute aluminum, less air
- H 5-minute carbon, less air
- J 10-minute carbon, less air
- K 15-minute carbon, less air

E MMR Regulator

A G1 Regulator, purge cover

F G1 Facepiece

- 1 None
- 2 G1 Facepiece with 4-pt adjustable head harness, medium^{††}
- 3 G1 Facepiece with 5-pt adjustable head harness, medium^{††}
- 4 G1 Facepiece with rubber head harness, medium^{††}

Notes:

If desired facepiece is not available here, choose "None" and select from the G1 Facepiece ATO.

G Quick Disconnect

- 0 None
- A Snap-Tite, aluminum
- B Snap-Tite, stainless steel
- C Snap-Tite, brass
- D Hansen, stainless steel
- E Hansen, brass
- F Foster, steel
- G Foster, stainless steel
- H Foster, brass
- J Snap-Tite, locking, aluminum
- K Snap-Tite, locking, stainless steel
- M Snap-Tite, locking, brass
- N Foster, stainless steel
- P Cejn, locking

H Case

- 0 None
- 1 Hard plastic case

Note:

An additional surcharge will be added to configurations that are classified as hazardous materials

Key:

^{††} Facepiece includes nosecup, but does not include neckstrap.

A	PCG									
	A	B	C	D	E	F	G	H		Qty

PART NUMBER

MSA G1 Facepiece Industrial

Ordering Selection Matrix



A Application

- F Fire
(Cannot order Polyester Head Harness with this option)
- L Industrial with Carton
- M Industrial without Carton

B Size

- S Small
- M Medium
- L Large

C Material

1 Hycar

D Nosecup

- 0 None
- S Small
- M Medium
- L Large

E Head Harness

- 0 None
- 4 4 pt Adjustable
- 5 5 pt Adjustable
- P 4 pt Polyester
(May not be used on G1 NFPA)
- R Rubber

F Neckstrap

- 0 None
- C Cloth
- R Rubber

G Regulator Connection

1 Fixed Push-to- Connect

Note:

Part numbered facepieces are also available
An additional surcharge will be added to configurations that are classified as hazardous materials

A-G1FP			1					1	
	A	B	C	D	E	F	G		Qty

PART NUMBER

Quick-Disconnects for Air-Line Respirators and Air-Supplied Hoods

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>						
Quick-Disconnects & Adapters (AL) = Aluminum (S) = Steel (SST) = Stainless Steel (BR) = Brass Interchangeability A B C D E F <i>Fittings with the same letter code are interchangeable</i>	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	

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

Must be used with respirators 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	—	8 ft.
		491514	—	15 ft.
		491515	—	25 ft.
		474043	—	50 ft.

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>.

Locking Quick-Disconnects for Air-Supply Hose

Part No.	Description
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)
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)

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.

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