

Apollo 600 HP Supplied-Air Respirator

For use with compressed-air supply

IMPORTANT: for safe, efficient blasting, read and follow the owner's manual (23930) and seek training for everyone who will use this equipment.



OVERVIEW

The Apollo 600 HP is designed for use with compressed air. It meets OSHA standards for respiratory protection and air noise limitations. It protects the blast operator's head from rebounding abrasive and impact hazards. In addition, the Apollo 600's heavy-duty cape protects the operator's upper body from rebounding abrasive.

REQUIREMENTS FOR OPERATION

- A source of Grade D level (or better) compressed breathing air, as defined by the Compressed Gas Association specification G-7.1
- Sufficient volume of compressed air for breathing: 15 cfm at 65 to 100 psi when using ACV; or 20 cfm at 90 to 100 psi when using Clem-Cool, CAT, or CCT air-control devices.
- A breathing-air filter, such as Clemco CPF, to remove oil mist, moisture, particles, and odors
- Carbon monoxide monitor and alarm, such as Clemco's CMS-4.
- Protective clothing, and hearing and eye protection.

DESCRIPTION OF OPERATION

Incoming air enters the system through the air control device on the operator's belt. It continues through the breathing-air tube to enter the helmet at the inlet fitting at the center rear of the helmet crown. An air-distribution channel guides air over the head to the operator's face. The incoming air to the respirator system maintains positive pressure inside the helmet. Exhaled air exits through the knit collar, which must fit snugly around the operator's neck. All helmet features work together to protect the operator from exposure to harmful dust and abrasive.

The Apollo 600 configures with the following Clemco air-control devices:

- Constant-Flow Connector (CFC)—fixed air flow
- Air-Control Valve (ACV)—adjustable air volume
- Clem-Cool or Cool-Air Tube (CAT)—cools incoming breathing air
- Climate-Control Tube (CCT)—heats and cools incoming air

All breathing-air valves have minimum and maximum flow points, as specified by NIOSH.

A flexible breathing tube maintains air flow between the inlet fitting on the operator's belt and a replaceable inlet fitting at the center rear of the helmet crown for maximum operator comfort and maneuverability.

DESIGN ADVANTAGES

- Two suspension options: web-style or DLX comfort-fit style
- Expansive, 180° full-view window
- Multi-lens system with rugged, positive-latching window frame
- Built-in mini visor prevents media ingress between lenses
- User-friendly cape attachment system
- Zip-in-and-out washable inner collar
- Replaceable inlet fitting
- Generous interior dimension allows supplementary hearing and eye protection

APPROVALS AND CERTIFICATIONS

- NIOSH-approved Type CE continuous flow supplied-air respirator
- NIOSH approval no. TC-19C-130
- OSHA Assigned Protection Factor: 1000 x PEL for hazardous substances
- ANSI Z89.1-2003 Type 1, Class G protective helmet (hard hat)
- ANSI Z 3.19: Noise Reduction Rating— 8 dB (with web suspension), 9 dB (with DLX suspension)

NOTE: Prior to use, ensure that the Apollo, type CE, supplied-air respirator is appropriate for your specific blasting conditions and requirements.

Respirator Systems and Accessories

Description	Stock No.	
	DLX	Web
Apollo 600 HP		
Less Respirator Hose	Suspension	Suspension
With CFC	25190	24001
With ACV	25191	24002
With CAT	25192	24003
With CCT	25193	24004
With Clem-Cool	25194	24932
With 50 ft x 3/8" Respirator Hose		
With CFC	25200	24771
With ACV	25202	24210
With CAT	25204	24211
With CCT	25206	24212
With Clem-Cool	25208	24933
With 50 ft x 3/8" Respirator Hose and CPF-20 Filter		
With CFC	25201	24772
With ACV	25203	24213
With CAT	25205	24214
With CCT	25207	24215
With Clem-Cool	25209	25299

Options and Accessories

Description	Stock No.
CPF-20 filter (for 1 to 2 operators)	03578
CPF-80 filter (for up to 4 operators)	03527
CMS-3 in-helmet carbon monoxide monitor alarm	24612
Heavy-duty blast suit (leather front, cotton back)	
S M L XL 2XL 3XL	
08920 08921 08922 08923 24201 24202	
Lightweight seasonal blast suit (nylon front, cotton back)	
S M L XL 2XL 3XL 4XL	
22913 22914 22915 22916 22917 25022 24689	
Leather gloves	02243
Comfort Vest with Clem-Cool	25266
Low-pressure conversion kit (converts HP helmet to LP helmet)	24812
Noise reduction ear muffs (with web suspension only)	23886
Outer lens, rectangular, .015" (pk of 25)	24005
Incompatible hose coupling conversion kit	28074

Shipping Dimensions and Weights

Description	Dimension	Weight
Apollo 20 Respirator	14.5" x 13" x 15"	9 lbs
Respirator hose 50 ft x 3/8"	12" x 12" x 5"	7 lbs
CPF-20 Breathing-air Filter	21" x 20" x 10"	21 lb

Authorized Distributor:

Replacement Parts

Item	Description	Stock No.
1.	Constant-flow connector, HP, without belt	21415
2.	Belt, 2" web with buckle	04430
3.	Respirator hose, 3/8" x 25 ft. (alternate), includes items 6 and 7	04397
4.	Respirator hose, 3/8" x 50 ft. (alternate), includes items 6 and 7	04415
5.	Respirator hose, 3/8" x 100 ft. (alternate), includes items 6 and 7	04398
6.	Adaptor, 3/8" hose to 3/8" NPT	00022
7.	Union, 3/8" hose to 3/8" hose	01020
8.	Disconnect, 1/4" NPT female	00025
9.	Adaptor, 3/8" hose to 1/4" NPT	01019
10.	Acoustical foam kit, both sides (not used with padded suspension)	04369
11.	Gasket, window	23819
12.	Inner lens, .040", package of 5	04367
13.	Outer lens, .0075", perf'ed, package of 25	04361
14.	Intermediate lens, .020", package of 5	24943
	package of 25	04373
15.	Window frame assembly	24012
16.	Chin strap	04460
17.	Handle strap	03623
18.	Cape attachment band	23801
19.	Outer lens, .015", rectangular package of 25	24005
20.	Cape, grey, includes item 23	23818
21.	Breathing tube assembly w/ (2) item 22	
	Standard tube, 33" long	22811
	Alternate tube, 27" long	28068
	Alternate tube, 37" long	28069
22.	O-ring, 7/8" OD, 2 required	22815
23.	Inner collar	08740
24.	Latch kit, window frame includes base, screws and nuts	24006
25.	Inlet fitting, breathing tube	23804
26.	Chin strap holder kit (2 w/ fasteners)	24008
27.	Partition, air baffle	23811
28.	Clips, suspension (pack of 4)	24773
29.	Sweatband, used with item 30	23817
30.	Web suspension with sweatband (alternate)	23802
31.	DLX padded suspension kit (alternate) includes items 27 and 32 thru 35	25189
32.	Suspension web (for DLX only)	25184
33.	Pad, crown	25182
34.	Pad, side black/grey fits most head sizes black/blue for smaller head sizes	25183
35.	Velcro® tape, adhesive backed, 1" x 3 feet	25185
(-)	Apollo 600 HP Owner's Manual	23930

