

Apollo 20 HP Supplied-Air Respirator

For use with compressed-air supply

IMPORTANT: For safe, efficient blasting, read and follow the owner's manual (21990) and seek training for everyone who will use this equipment.



OVERVIEW

The Apollo 20 HP is designed for use with compressed air systems. It meets OSHA standards for respiratory protection and noise limitations. The Apollo 20's full-helmet design and heavy-duty cape protect the blast operator's head, neck, shoulders and chest from rebounding abrasive.

REQUIREMENTS FOR OPERATION:

- The following items are required or recommended for operation, but are not included with this respirator:
- Source of Grade D (or better quality) breathing air providing 7 to 15 cfm at 65 to 100 psi (if Clem-Cool or CCT is used, increase cfm to 20)
 - A breathing air filter (such as the Clemco CPF) to remove oil, moisture, particles, and odors
 - Carbon monoxide monitor and alarm (such as the Clemco CMS-2)
 - 3/8-inch x 50-foot approved respirator hose from the breathing air

filter to the helmet connection (stock no. 04415)

- Protective clothing, gloves, and shoes suitable for a heavy construction site
- Primary hearing and eye protection

DESCRIPTION OF OPERATION

The Apollo 20 is a single-shell construction helmet supported by the DLX comfortfit suspension system. The operator's head is surrounded with comfortable padding. A chin strap holds the helmet in place. The rectangular window provides a clear field of view. An inner fixed lens and one middle lens seal out dust and abrasive. Up to three lightweight, disposable outer lenses, held in place by a hinged frame, protect the middle lens from pitting. A flexible breathing tube between the valve and the helmet allows free movement of the operator's head. This tube contains specially-formulated sound-deadening materials that

help the respirator comply with 80 dBA maximum noise level while allowing free air flow. For maximum protection while blasting, the operator should wear ear plugs or other suitable hearing protection and safety glasses or goggles. The air enters the helmet at the rear, travels through a sound-attenuating distribution system at the top, and circulates about the operator's face. The incoming air maintains positive pressure inside the helmet, so exhaled air exits via the knit collar. Maintaining positive pressure inside the helmet helps keep out potentially harmful dust and abrasive.

DESIGN ADVANTAGES

- DLX comfort-fit suspension (optional web suspension included)
- Box-front window features economical replacement lenses
- Sound-attenuating, air-distribution channel
- Lightweight construction
- Molded-in carrying handle.
- Allows operator to wear supplementary hearing and primary eye protection.

APPROVALS AND CERTIFICATIONS:

- NIOSH-approved Type CE continuous flow supplied-air respirator
- NIOSH approval no. TC-19C-339
- 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

Respirator Systems and Accessories

Description	Stock No.
Apollo 20 HP	
Less Respirator Hose	
With CFC	20975
With ACV	21419
With CCT	21421
With CCAC	21420
With 50 ft x 3/8" Respirator Hose	
With CFC	27820
With ACV	27821
With CCT	27823
With CCAC	27822
With 50 ft x 3/8" Respirator Hose and CPF-20 Filter	
With CFC	27824
With ACV	27825
With CCT	27827
With CCAC	27826

Options and Accessories

Description	Stock No.
CPF-20 Air Filter (for one or two operators)	03578
CPF-80 Air Filter (for up to four operators)	03527
Carbon monoxide alarm, CMS-3	24612
Heavy-duty blast suit (leather front, cotton back)	
S M L XL 2XL 3XL	
08920 08921 08922 08923 24201 24202	
Light-weight 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)	22680
DLX Suspension Kit (for replacement or conversion to DLX style)	25215
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 lbs

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.	Adapter, 3/8" hose to 3/8" pipe	00022
7.	Union, 3/8" hose to 3/8" hose	01020
8.	Disconnect, 1/4" female	00025
9.	Adapter, 3/8" hose to 1/4" pipe	01019
10.	Gasket, molded window	99996
11.	Inner lens, 4-5/8" x 6-5/8" nom., .125" package of 5	21409
12.	Middle lens, 5" x 7" nom., .094" package of 5	21410
13.	Cover lens, perforated, .0075" package of 25	21411
14.	Gasket, lens frame	21041
15.	Lens frame	20976
16.	O-Ring, 7/8" OD, 2 required	22815
17.	Chin Strap	04460
18.	Chin strap holder, 2 required	21696
19.	Screw, 8-32 x 1/2" ph hd, 2 required	21119
20.	Latch, lens frame, rubber	21298
21.	Cape attachment strap	10534
22.	Cape with inner collar	21301
23.	Breathing tube assembly (each includes two of item 16)	
	Standard tube, 33" long	22811
	Alternate tube, 27" long	26068
	Alternate tube, 37" long	28069
24.	Partition, air baffle	21118
25.	Button, latch	21040
26.	Nut, lens frame	90041
27.	Screw, lens frame	90295
28.	Screw, 8-32 x 1/2" sm	21402
29.	Screw, 8-32 x 1" sm	21403
30.	DLX padded suspension kit includes items 31 thru 35	25215
31.	Suspension web	25219
32.	Pad, middle	25182
33.	Pad, side	25218
34.	Velcro® tape, adhesive backed, 1-inch x 3 feet	25185
35.	Web suspension w/sweatband (alternate)	10532
(-)	Apollo 20 HP Owner's Manual	21990

