CLEMCO
The Performance System

CONTRACTOR SERIES

TECHNICAL DATA SHEET

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

Purpose

The CPF filter removes mists, including oil mists, water vapor, and particulates greater in size than 0.5 micron.

NOTE: CPF filters do not remove CO or convert CO to CO_2, or remove other toxic gases.

Requirements for Operation

Compressed Grade D quality breathing air as defined by the Compressed Gas Association commodity specification: G-7.1 (www.cganet.com).

Description of Operation

The CPF filter is placed in the breathing-air line between the breathing-air source and the respirator supply hose.

The CPF is the point of attachment for the respirator hose. Air enters the filter through one of the inlet ports. Moisture is removed by expansion in the outer chamber and is drained through a petcock at the bottom of the unit. The air passes through a replaceable filter cartridge. The outlet pressure is controlled by a regulator on the cap and is measured by a gauge downstream from the cartridge.

Advantages

• One filter serves multiple respirators CPF-20 is easily converted to CPF-80 to service additional respirators
• Polypropelene filter cartridge casing eliminates corrosion hazard
• Filter cartridge lasts up to 3 months.
• Filters can be floor or wall mounted.

Description

Particulate filter for breathing air supplied from a compressed air source. Features pressure regulator, mounting bracket for floor or wall mounting. CPF-20 services one or two operators; CPF-80 services up to four operators.

CPF-20

CPF-80

Approvals and Certifications

CPF filters comply with OSHA regulation 1910.94 (6) as a component of a total respirator system. To comply with OSHA regulation 1910.134 (d), the system must also include a NIOSH-approved supplied-air respirator and carbon monoxide (CO) monitoring and/or removal system.
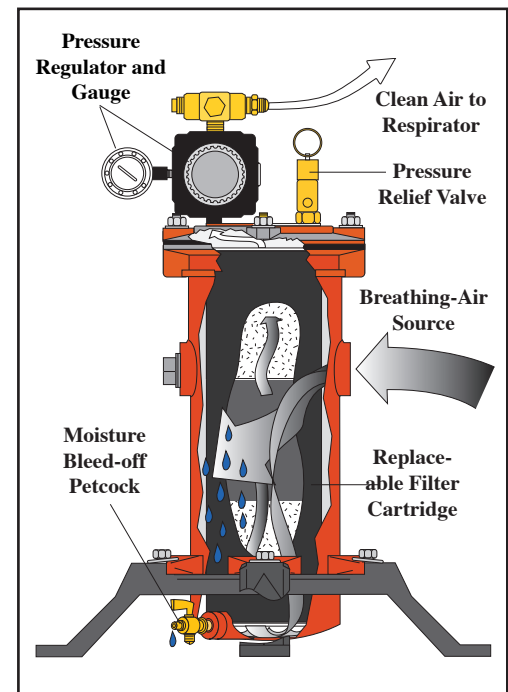
CPF Compressed-air Breathing-air Filters

Model CPF-20 for up to two operators: Stock No. 03578
Model CPF-80 for up to four operators: Stock No. 03527

Pressure Regulator and Gauge

Clean Air to Respirator

Pressure Relief Valve

Breathing-Air Source

Moisture Bleed-off Petcock

Replaceable Filter Cartridge

Related Clemco Literature

Replacement Parts

Item	Description	Stock No.
(-)	CPF-80 air filter, with regulator............................03527	
(-)	CPF-20 air filter, with regulator............................03578	
1.	Handle 03623	
2.	Gasket and o-ring kit* 08942	
3.	Pressure gauge 00024	
4.	Cross manifold, 3/8" NPT	
	(only on CPF 80) 22941	
5.	Plug, 3/8" NPT brass 03536	
6.	Cap, CPF filter 03584	
7.	Pressure regulator, 3/8" NPT large body	
	(only on CPF 80) 22939	
8.	Relief valve, 1/4" NPT 01909	
9.	Stud, 1/2-NC x 2" 03545	
10.	Nipple, 3/8" NPT hex	
11.	Cartridge, CPF filter 03547	
12.	Cap screw, 3/8-NC x 1" hex head 03252	
13.	Washer, 1-1/4" OD 03310	
14.	Nut, 3/8-NC 03311	
15.	Petcock, 1/4"..01993	
16.	Base bracket..03557	
17.	Plug, 1" NPT...03532	
18.	Washer, 1/2" SAE flat 03515	
19.	Nut, 1/2"-NC 03511	
20.	Washer, 3/8" lock..03318	
21.	Tee. 3/8" NPT, male branch	
	(only on CPF 20) 22843	
22.	Nipple, brass, 3/8" NPT x 2"	
	(only on CPF 20) 03720	

* Replacement parts recommended to be held on hand.

Options and Accessories

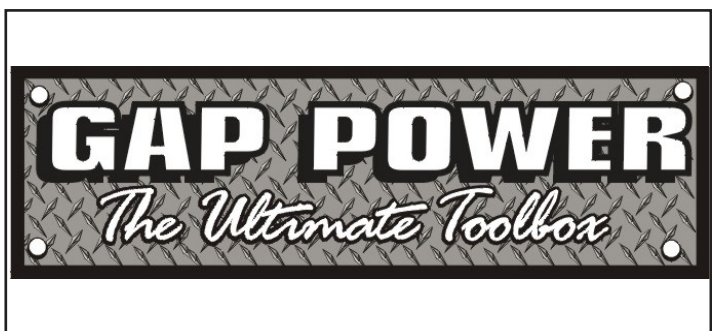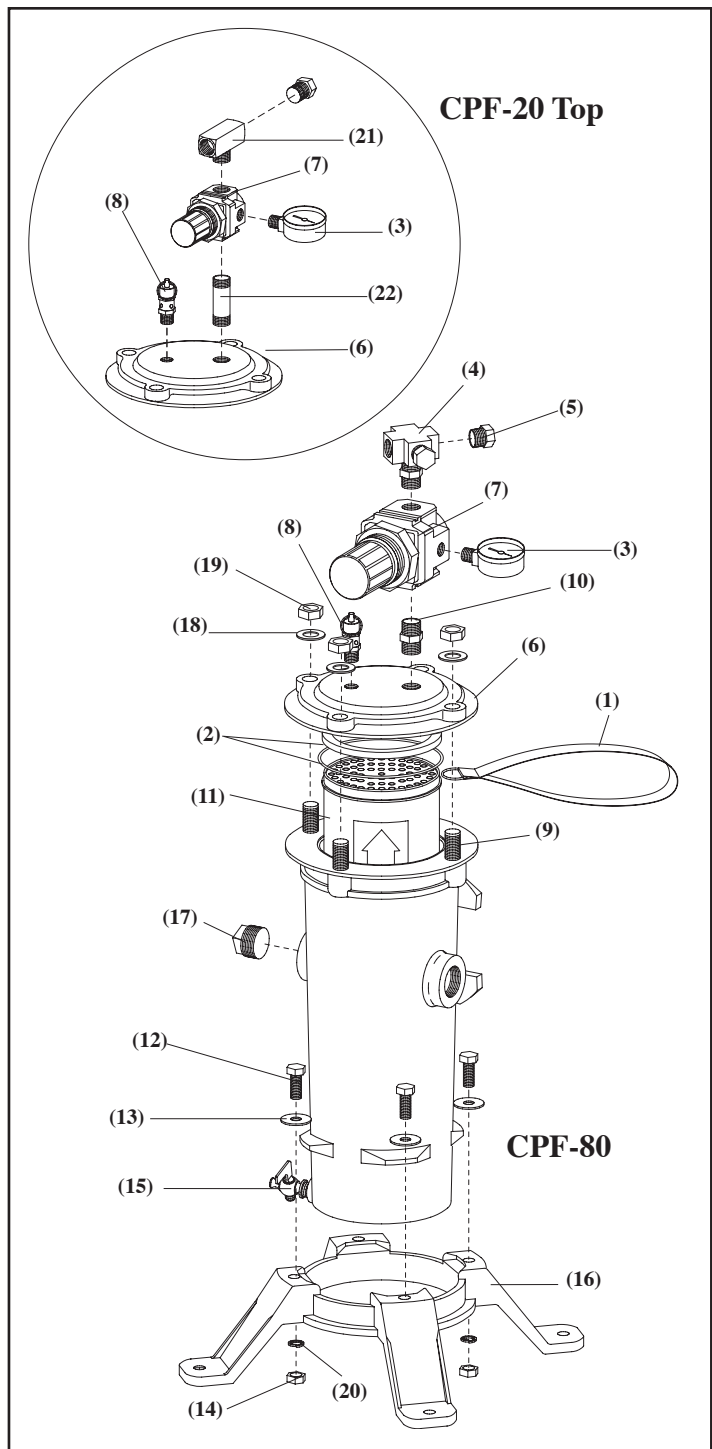| Description	Stock No.
Carbon monoxide alarm, CMS-2 22894	

Packaging

Cardboard container with protective cushioning material

Dimensions	Unit	Shipping
Height:	20-1/2"	23-1/2"
Width (dia.):	8-3/4"	12"
Depth:	8-3/4"	9-1/2"
Weight:	18 lb	22 lb

Color

Red body with black base bracket

CPF-20 Top

CPF-80

GAP POWER
The Ultimate Toolbox