

GUARDSMAN II Modular Integral Filter/Regulators

BCFDR70 Models Port Sizes: 1/4, 3/8, 1/2



Model Shown: BCFDR70-4

SPECIFICATIONS

Ambient/Media Temperature:

40° to 125°F (4° to 52°C)

Body: Zinc.

Bowl: 6-Ounce (180-ml) capacity aluminum with clear nylon sight glass. Optional 10-ounce (300-ml) extended bowl.

Dome and Knob: Acetal.

Bowl Drain:

Internal automatic drain; optional manual drain and internal float drain.

Filter Element: 5- μ m-rated polyethylene; optional 5- μ m or 40- μ m sintered bronze.

Fluid Media: Compressed air.

Inlet Pressure:

Minimum: 15 psig (1 bar) with automatic drain, 30 psig (2 bar) with internal float drain.
200 psig (14 bar) maximum.

Outlet Pressure: Adjustable up to 100 psig (7 bar).

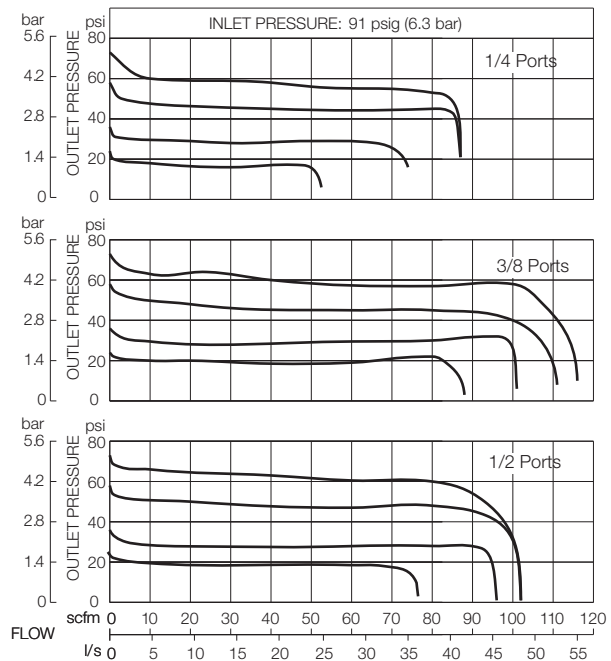
Pressure Gauge: 0 to 200 psig (14 bar); 1/4 NPT gauge ports front and rear.

Panel Mounting: 1-9/16 inch (40 mm) hole required.

Seals: Nitrile.

- ◆ Filter and regulator consolidated in a single assembly.
- ◆ Modular or inline mounting.
- ◆ 5- μ m-rated polyethylene filter element; optional sintered bronze elements.
- ◆ Aluminum bowl with clear nylon sight glass. Bowl can be rotated for easy readability.
- ◆ Internal automatic drain; optional manual drain and internal float drain.
- ◆ Self-relieving piston-type regulator; non-relieving optional.
- ◆ Pressure gauge; two gauge ports.
- ◆ **NPTF** port threads; optional **SAE** or **BSP** threads.

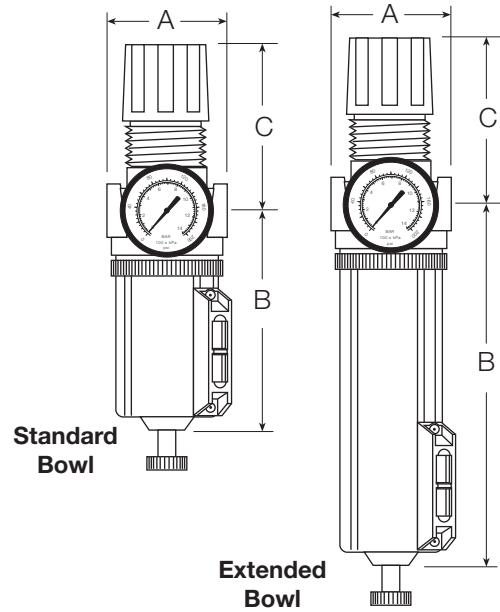
FLOW CHARTS



DIMENSIONS inches (mm)

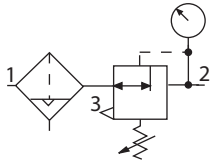
Bowl	A	B	C	Depth †	Weight †
					lb (kg)
Standard	2.7 (67)	5.9 (151)	3.3 (83)	2.4 (60)	1.50 (0.68)
Extended	2.7 (67)	8.9 (227)	3.3 (83)	2.4 (60)	1.75 (0.80)

† Less gauge.



ISO Filter/Regulator Symbol

**Automatic Drain
Self-relieving**



REPLACEMENT FILTER ELEMENT KITS

Element Type	Kit Number
5- μ m polyethylene (Std element)	KA60F-03PE5
5- μ m bronze	KA60F-03E5
40- μ m bronze	KA60F-03E3

ORDERING INFORMATION

Change the letters in the sample model number below to specify the filter/regulator you want.

BC FD R 70 - 2 Y P W

FILTER DRAIN

Internal automatic drain FD
Manual drain..... F
Internal float drain F5A

BOWL SIZE

Standard 6-ounce bowl 70
Extended 10-ounce bowl 70H

PORT SIZE

1/4 NPTF..... 2
3/8 NPTF..... 3
1/2 NPTF..... 4
9/16-18 UNF SAE S6

MOUNTING BRACKETS

See page 320.

PORT TYPE

NPTF threads Leave Blank
BSPF threads W

OPTIONS (More than one option can be chosen. Add in alphabetical order)

0-200 psig Gauge Leave Blank
No psig Gauge NG
Mounting nut P

OPTIONS (More than one option can be chosen. Add in alphabetical order)

None Leave Blank
Non-relieving A
Sintered bronze filter element:
5- μ m rating E5
40- μ m rating E3
Adjusting springs:
0-150 p sig (0-10 bar) H
0-50 psig (0-3.4 bar) L