

MINIATURE FRLs

Integral Filter/Regulators plus Lubricator

CFDRL55 and 56 Models

Port Sizes: 1/8, 1/4



- ◆ Filter and regulator consolidated in a single assembly (CFDR55M or CFDR56M); wick-feed lubricator (L50).
- ◆ Inline mounting.
- ◆ 5- μ m-rated polyethylene filter element; optional sintered bronze elements.
- ◆ High-strength polycarbonate plastic bowls or aluminum bowls.
- ◆ Internal automatic filter drain; optional manual drain.
- ◆ Piston-type regulator (CFDRL55 models) or diaphragm-type (CFDRL56 models).
- ◆ Self-relieving regulator; non-relieving optional.
- ◆ Pressure gauge.
- ◆ NPTF port threads; optional BSPP threads or fittings for tubing up to 10 mm.

SPECIFICATIONS

Ambient/Media Temperature:

Plastic bowls: 40° to 125°F (4° to 52°C).

Metal bowls: 40° to 175°F (4° to 79°C).

Bodies: Aluminum for filter/regulator and lubricator.

Bowls: 2-Ounce (60-ml) capacity polycarbonate plastic bowls or aluminum bowls.

Filter Drain:

Internal automatic drain; optional manual drain.

Filter Element: 5- μ m-rated polyethylene; optional 5- μ m, 20- μ m, or 40- μ m sintered bronze.

Fluid Media: Compressed air.

Inlet Pressure:

15 psig (1 bar) minimum with automatic drain.

Plastic bowls: 150 psig (10 bar) maximum.

Metal bowls: 200 psig (13.7 bar) maximum.

Oil Adjustment: Internal; tamper-resistant.

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

Pressure Gauge: 0 to 160 psig (11 bar); 1/8 NPT gauge ports front and rear.

Panel Mounting: 1-3/16 inch (30 mm) hole required.

Regulator Dome and Knob: Glass Filled Nylon and Acetal.

Seals: Nitrile.

AIR FLOW DATA

See Flow Charts for individual assembly components on preceding pages.

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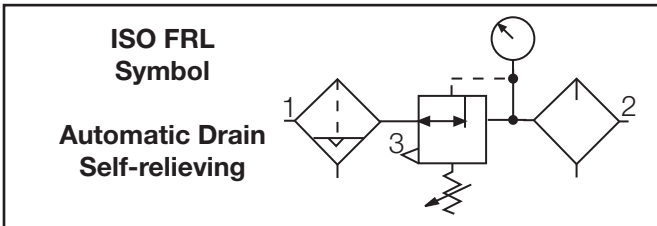
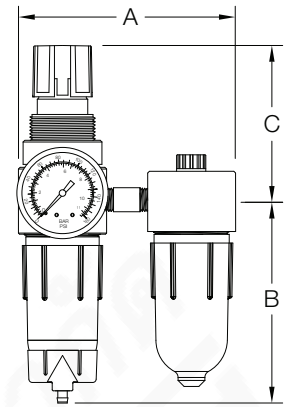
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DIMENSIONS inches (mm)

Bowl	A	B	C	Depth †	Weight lb (kg)
Plastic	3.7 (94)	3.9 (99)	2.6 (67)	1.6 (41)	0.66 (0.30)
Metal	4.0 (101)	4.3 (109)	2.6 (67)	1.6 (41)	0.66 (0.30)

† Less gauge.



REPLACEMENT FILTER ELEMENT KITS

Element Type	Kit Number
5-µm polyethylene (Std element)	KA130-27PE5
5-µm bronze	KA130-27E5
20-µm bronze	KA130-27E4
40-µm bronze	KA130-27E3

ORDERING INFORMATION

Change the letters in the sample model number below to specify the F/R + L you want.
NOTE: For model numbers longer than 15 characters, please consult Master Pneumatic.

B CFD RL 55 - 2 Y X W

BOWL TYPE

Plastic bowl.....Leave Blank
 Metal bowl.....B

FILTER DRAIN

Internal automatic drain CFD
 Manual drain.....CF

REGULATOR TYPE

Piston type55
 Diaphragm type.....56

PORT SIZE

1/8 NPTF.....1
 1/4 NPTF.....2

PORT TYPE

NPTF threads Leave Blank
 BSPP threads W

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

0-160 psig Gauge Standard
 No Gauge..... NG
 No Gauge Ports on Head NP
 Plastic mounting nut..... P
 Metal mounting nut.....PN
 Hex plastic mounting nutPE

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

NoneLeave Blank
 Non-relieving regulator.....A
 Sintered bronze filter element:
 5-µm rating E5
 20-µm rating E4
 40-µm rating E3
 Adjusting springs:
 0-125 psig (0-8.6 bar)..... H
 0-50 psig (0-3.4 bar)..... L
 0-8 psig (0-0.6 bar)..... L8
 0-15 psig (0-1.0 bar)..... L15
 0-30 psig (0-2.1 bar)..... L30
 Tamper-resistant spinning
 knob (psig preset) MV(*)
 Quick-fill lubricator Q-cap Q
 Viton seals V

*Insert preset pressure.

MINIATURE FRL's CFDRL55 and CFDR56 Series

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