

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.

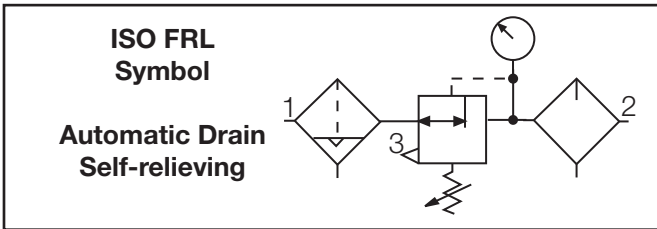
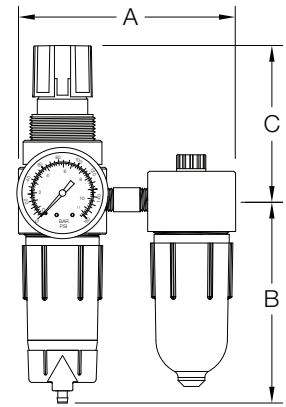
AIR FLOW DATA

See Flow Charts for individual assembly components on preceding pages.

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 type.....55
 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 nut.....PE

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

None.....Leave 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 CFDR156 Series