

VANGUARD Modular FRLs Integral Filter/Regulators plus Lubricator

MVCFDRL108W Models Port Sizes: 1/4, 3/8, 1/2, 3/4



Model Shown:
MVCFDRL108W-4

- ◆ Filter and regulator consolidated in a single assembly (**CFDR100**); wick-feed lubricator (**L28W**); lockout valve (**V35**).
- ◆ Modular or inline mounting.
- ◆ 5- μ m-rated polyethylene filter element; optional sintered bronze elements.
- ◆ Zinc bowls with clear nylon sight glass or polycarbonate plastic bowls with steel shatterguard.
- ◆ Internal automatic filter drain; optional manual drain, internal float drain, or external Hydro-Jector drain.
- ◆ Self-relieving diaphragm-type regulator; non-relieving optional.
- ◆ Pressure gauge.
- ◆ **NPTF** port threads; optional **BSPP** threads.

SPECIFICATIONS

Ambient/Media Temperature: (without lockout valve)

Plastic Bowl, all drain types: 40° to 125°F (4° to 52°C).

Metal Bowl, manual & automatic drains: 40° to 175°F (4° to 79°C).

Metal Bowl, float drains: 40° to 150°F (4° to 66°C).

Bowls: 8-Ounce (240-ml) capacity zinc bowls with clear nylon sight glass or polycarbonate plastic bowls with steel shatterguard.

Bowl Rings: Aluminum.

Filter Drain:

Internal automatic drain; optional manual drain, internal float drain, or external Hydro-Jector 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.

Heads: Zinc.

Inlet Pressure:

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

150 psig (10 bar) maximum. With metal bowls but no **lockout valve**:

200 psig (13.7 bar) maximum.

Oil Adjustment: External; tamper-resistant.

Outlet Pressure: Adjustable up to 125 psig (8.6 bar).

Pressure Adjustment Locking Key: Removable.

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

Regulator: Nylon dome; acetal knob.

Seals: Nitrile.

AIR FLOW DATA

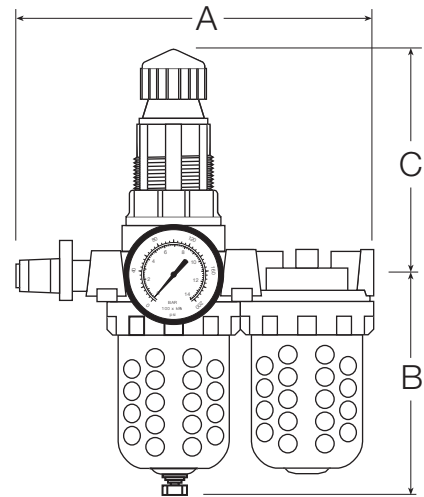
See Flow Charts for individual assembly components on preceding pages.

DIMENSIONS inches (mm)

Bowls	A *	B	C	Depth †	Weight †
					lb (kg)
Plastic	10.5 (267)	5.8 (147)	3.3 (84)	3.5 (89)	5.94 (2.69)
Metal	10.5 (267)	6.4 (163)	3.3 (84)	3.5 (89)	7.74 (3.51)

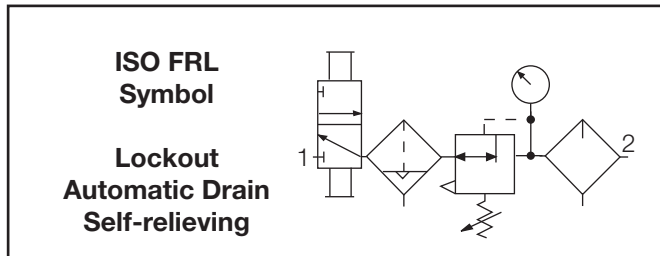
*Without V35 lockout valve deduct 3.8 (97) from dimension A.

† Less gauge.



REPLACEMENT FILTER ELEMENT KITS

Element Type	Kit Number
5-µm polyethylene (Std element).....	KA103-03PE5
5-µm bronze	KA103-03E5
20-µm bronze.....	KA103-03E4
40-µm bronze.....	KA103-03E3



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 M V CFD RL 108W - 2 Y W

BOWL TYPE

Metal bowls..... B
Plastic bowls ...Leave Blank

ASSEMBLY

Modular..... M
Pipe nippleLeave Blank

LOCKOUT VALVE

V35 Valve V
NoneLeave Blank

FILTER DRAIN

Internal automatic drain CFD
Manual drain CF
Internal float drain (**plastic stem**) CF5A
(Must be ordered with plastic bowl option under **BOWL TYPE**).
Internal float drain (**brass stem**) CF6A
(Must be ordered with metal bowl option under **BOWL TYPE**).
External Hydro-Jector drain; CFE
(Must be ordered with metal bowl option under **BOWL TYPE**).

BOWL SIZE

Standard 8-ounce bowls 108W

PORT TYPE

NPTF threads Leave Blank
BSPP threads W

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:
0-175 psig (0-12 bar) H**
0-50 psig (0-3.4 bar) L
Metal Dome MD
Limit maximum psig setting ... M*
0-200 psig Gauge Standard
No gauge NG
Regulator tee handle T
Quick-fill lubricator Q-cap Q

* Insert maximum limited pressure.

** H option spring includes metal dome

PORT SIZE

1/4 NPTF 2
3/8 NPTF 3
1/2 NPTF 4
3/4 NPTF 6

For external and additional modular port options see numbering chart on 344 page.