

Full-Size VANGUARD Modular Coalescing Filters

FC101 Models Port Sizes: 1/4, 3/8, 1/2



Model Shown: FC101-2

SPECIFICATIONS

Ambient/Media Temperature:

Plastic bowl: 40° to 125°F (4° to 52°C).
Metal bowl: 40° to 175°F (4° to 79°C).

Body: Zinc.

Bowl: 8-Ounce (240-ml) capacity polycarbonate plastic with steel shatterguard; optional zinc bowl with clear nylon sight glass. Optional 20-ounce (600-ml) extended polycarbonate or zinc bowl has higher flow filter element.

Bowl Drain: Manual. Optional internal automatic drain and internal float drain.

Bowl Ring: Aluminum.

Differential Pressure Gauge: Small 103-151.

Filter Element: 0.3- μ m-rated borosilicate-glass-fiber coalescing element; optional 0.01- μ m-rated element.

Fluid Media: Compressed air.

Inlet Pressure:

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

Plastic Bowl: 150 psig (10 bar) maximum.

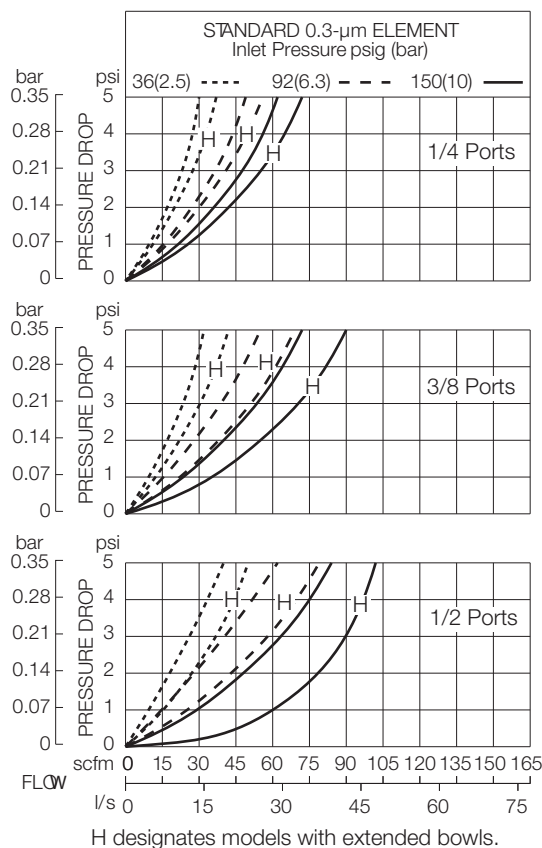
Metal Bowl: 200 psig (14 bar) maximum.

Seals: Nitrile.

- ◆ Modular or inline mounting.
- ◆ 0.3- μ m-rated coalescing filter element; optional 0.01- μ m element.
- ◆ Differential pressure gauge.
- ◆ High-strength polycarbonate plastic filter bowl with steel shatterguard; optional metal bowl with clear nylon sight glass.
- ◆ Optional extended bowl with higher flow filter element.
- ◆ Manual filter drain; optional internal automatic drain and internal float drain.
- ◆ NPTF port threads; optional SAE or BSPP threads.

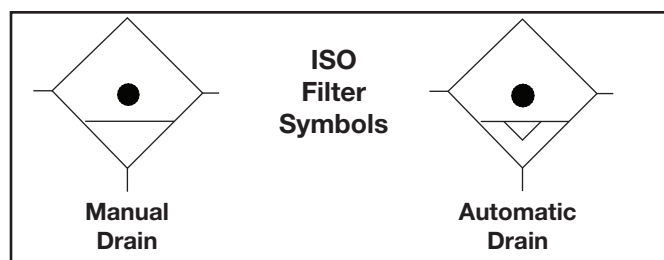
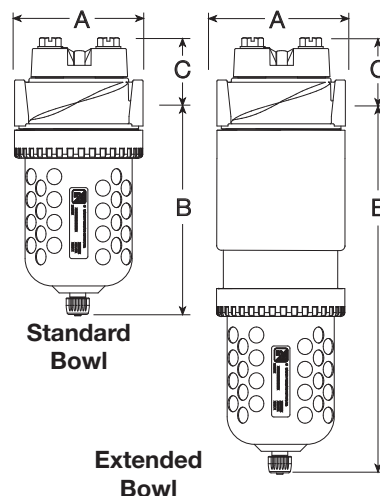
APPLICATION NOTE: A general purpose filter must be installed ahead of a coalescing filter to ensure good performance and to extend the life of the coalescing element.

FLOW CHARTS



DIMENSIONS inches (mm)

Bowl	A	B	C	Depth	Weight lb (kg)
Standard	3.5 (89)	5.8 (146)	1.8 (45)	3.5 (89)	2.13 (0.95)
Extended	3.5 (89)	10.3 (260)	1.8 (45)	3.5 (89)	3.25 (1.54)



REPLACEMENT FILTER ELEMENT KITS

Element Type	Kit Number
0.3 µm Standard bowl (Std element).....	A103-160
0.3 µm Extended bowl	A103-160L
Models with E8 option:	
0.01 µm Standard bowl	A103-160E8
0.01 µm Extended bowl	A103-160LE8

BFC 101 - 2 Y W

BOWL AND DRAIN TYPE

- Plastic bowl, internal automatic drain FCD
- Metal bowl, internal automatic drain BFCD
- Plastic bowl, manual drain FC
- Metal bowl, manual drain BFC
- Plastic bowl, internal float drain FC5A
- Metal bowl, internal float drain BFC6A

BOWL SIZE and DIFFERENTIAL PRESSURE GAUGE

Standard Bowls:

- Tapped ports on head, no gauge 101
(Add 'NG' option under **OPTION** section).
- Tapped ports on head, small gauge 101
- Tapped ports on head, large gauge 101L
- Tapped ports on head, large gauge 101E
with normally **OPEN** reed switch.
- Tapped ports on head, large gauge 101E2
with normally **CLOSED** reed switch.

Extended Bowls:

- Tapped ports on head, no gauge 101H
(Add 'NG' option under **OPTION** section).
- Tapped ports on head, small gauge 101H
- Tapped ports on head, large gauge 101HL
- Tapped ports on head, large gauge 101HE
with normally **OPEN** reed switch.
- Tapped ports on head, large gauge 101HE2
with normally **CLOSED** reed switch.

PORT TYPE

- NPTF threads Leave blank
- BSPF threads W

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

Filter element:

- 0.3-µm rating Leave Blank
- 0.01-µm rating E8

No bowl drain LDC

(1/4 NPT female port instead. Also use 'BFC' option under **BOWL and DRAIN TYPE** section.)

No differential gauge NG

(Add '101' option under **BOWL SIZE and DIFFERENTIAL PRESSURE GAUGE** section).

PORT SIZE

- 1/4 NPTF 2
- 3/8 NPTF 3
- 1/2 NPTF 4
- 9/16-18 UNF SAE S6
- 3/4-16 UNF SAE S8
- 7/8-14 UNF SAE S10

DIFFERENTIAL PRESSURE GAUGES



Small Slide Gauge
103-151



Large Dual Face Gauge
106-35



**Large Dual Face Gauge
with Reed Switch**
106-35E (Normally Open)
106-35EC (Normally Closed)

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