

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:

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 only on extended aluminum bowl.

Bowl Ring: Aluminum.

Differential Pressure Gauge: Small K103-151.

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:

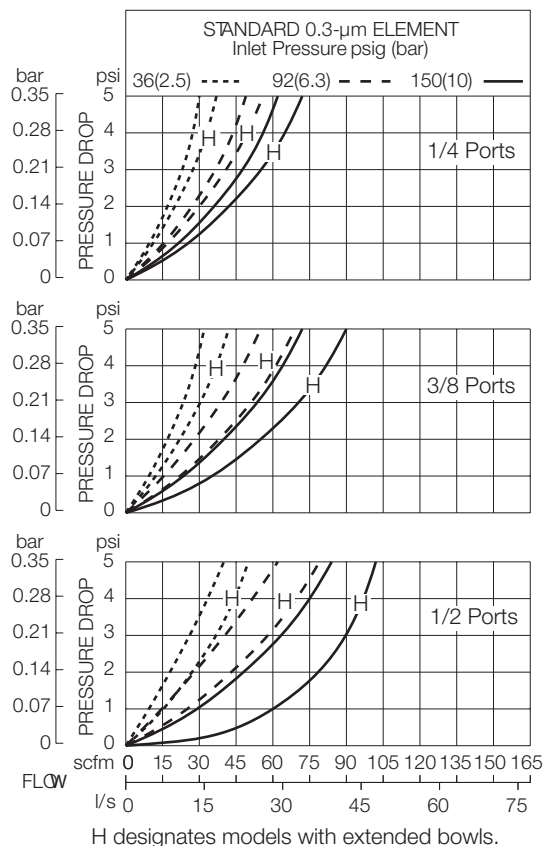
15 psig (1 bar) minimum with automatic drain.
Plastic Bowl: 150 psig (10 bar) maximum.
Metal Bowl: 200 psig (14 bar) maximum.

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 with extended bowl.
- ◆ NPTF port threads; optional SAE or BSPP threads.

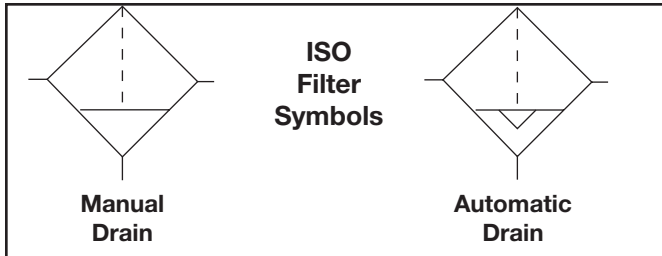
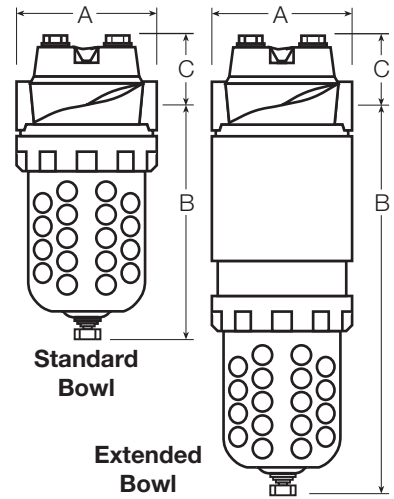
APPLICATION NOTE: A general purpose filter must be installed ahead of a coalescing filter to ensure good performance and to extend the life of the coalescing element.

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

B **FC** **101** - **2** **Y** **W**

BOWL TYPE
 Plastic bowl Leave blank
 Metal bowl..... B

BOWL DRAIN
 Manual drain..... FC
 Internal automatic drain FCD
 (extended bowl only)

BOWL SIZE & DIFFERENTIAL PRESSURE GAUGE
 Standard bowl & small gauge 101
 Standard bowl & large gauge..... 101L
 Standard bowl & large gauge 101E
 with reed switch normally open
 Standard bowl & large gauge 101E2
 with reed switch normally closed
 Extended bowl & small gauge..... 101H
 Extended bowl & large gauge 101HL
 Extended bowl & large gauge 101HE
 with reed switch normally open
 Extended bowl & large gauge 101E2
 with reed switch normally closed

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

PORT TYPE

NPTF Threads Leave Blank
 BSPP threads W

OPTIONS: (More than one option can be chosen)

None..... Leave Blank
 0.01-µm-rated element..... E8
 Delete bowl drain; 1/4 NPT LDC
 female port instead
 Delete differential pressure NG

DIFFERENTIAL PRESSURE GAUGES



Small Slide Gauge
K103-151



Large Dual Face Gauge
106-35



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