

HIGH-FLOW VANGUARD Clean Air Package

BDFCD100-E8 Models Port Sizes: 3/4, 1



Model Shown: BDFCD100-8E8

These assemblies consist of two filters: a general purpose filter, and a coalescing filter. The general purpose filter removes gross contaminants, while the coalescing filter removes oil mists, aerosols, and minute particles.

SPECIFICATIONS

Ambient/Media Temperature:

Manual & auto drains: 40° to 175°F (4° to 79°C).

Float drains: 40° to 150°F (4° to 66°C).

Body: Aluminum.

Bowls: 16-Ounce (480-ml) capacity aluminum. Clear nylon sight glass on general purpose and coalescing filters. Bowls are rotatable for easy readability.

Bowl Ring: Aluminum.

Filter Bowl Drains:

Internal automatic drains for general purpose and coalescing filters.

Filter Elements: General purpose: 5-µm-rated polyethylene; optional 5-µm sintered bronze. Coalescing: 0.3-µm-rated borosilicate glass fiber; optional 0.01-µm-rated element.

Fluid Media: Compressed air.

Inlet Pressure:

Minimum: 15 psig (1 bar).

Maximum: 200 psig (14 bar).

- ◆ Inline mounting.
- ◆ 5-µm-rated polyethylene general purpose filter element.
- ◆ 0.3-µm-rated coalescing filter element; optional 0.01-µm element.
- ◆ Metal bowls. Clear nylon sight glass on general purpose and coalescing filters. Bowls rotatable for easy readability.
- ◆ Internal automatic filter drain for general purpose and coalescing filters.
- ◆ Differential pressure gauge on coalescing filter to indicate when filter element needs changing.
- ◆ NPTF port threads; optional BSPP threads.

AIR FLOW and CONSTRUCTION DATA

See Flow Charts and Specifications for individual assembly components on preceding pages.



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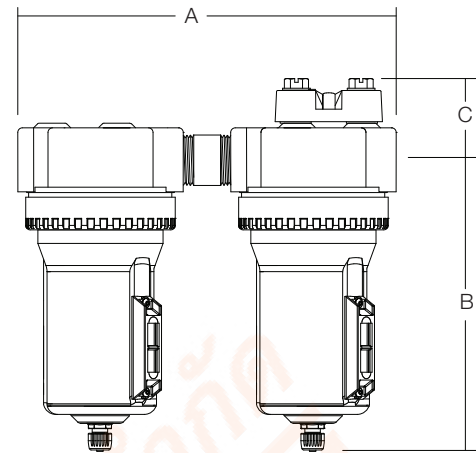
845/3-4 หมู่ 3 ถ.เทพารักษ์ ต.เทพารักษ์ อ.เมือง จ.สมุทรปราการ 102070

845/3-4 Thepharak RD., T. Thepharak, A. Muang, Samutprakan 10270 THAILAND

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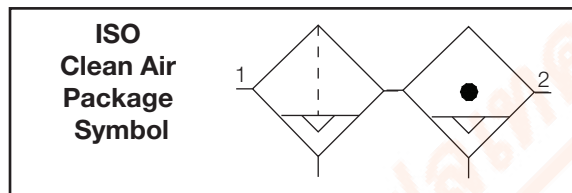
DIMENSIONS inches (mm)

A	B	C	Depth	Weight lb (kg)
10 (255)	7.8 (199)	2.3 (58)	4.2 (106)	5.00 (2.27)



REPLACEMENT FILTER ELEMENT KITS

Element	Model Usage	Kit Number
5-µm Plastic (Std)	General purpose filter	KA109-3PE
5-µm Bronze	General purpose filter	KA109-03E5
0.3-µm (Std)	Coalescing filter	A109-106
0.01-µm	Coalescing filter	A109-106E8



ORDERING INFORMATION

If product number exceeds 15 characters consult factory for new number:

B FD FCD 100 S - 6 E5 E8 W

FILTER BOWL DRAIN

Internal automatic drain..... FD
Manual drain F
Internal float drain (**brass stem**) F6A

COALESCING FILTER BOWL DRAIN

Internal automatic drain..... FCD
Manual drain FC
Internal float drain (**brass stem**) FC6A

DIFFERENTIAL PRESSURE GAUGE

No gauge Leave Blank
(Add **NG** option after **COALESCING FILTER ELEMENT TYPE**.)

Large differential pressure gauge ... Leave Blank
Small differential pressure gauge ... S
Large differential pressure gauge ... E
with normally open reed switch.
Large differential pressure gauge ... E2
with normally closed reed switch.

PORT TYPE

NPTF Leave Blank
BSPP W

COALESCING ELEMENT TYPE

0.3-µm element Leave Blank
0.01-µm element E8

FILTER ELEMENT TYPE

5 micron bronze E5
element.
5 micron polyethylene .. Leave Blank
element.

PORT SIZE

3/4 NPTF 6
1 NPTF 8

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)



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