



# FILTER VESSELS

## Bag Filter Housings

 FSPN Vessels | FSPN E-Z Open | **CBFP 11, 12 Vessels** | CBFP 13, 14 Vessels |  
QX4 Filter Vessel | SBF Compact Bag Vessels | FMC Drum Filters

## Cartridge Filter Housings

FSMC Cartridge Filter Vessels

## Plastic Filter Housings

X100 Convertible Filter Housing | XL234 Modular Filter Housings

## Specialty Filter Housings

Basket Strainers



## BAG FILTER HOUSINGS CBFP 11, 12 Vessels

### Introduction

When looking for a cost-effective single-bag filter vessel that is both durable and reliable, look to the FSI CBFP series vessels. Although the standard CBFP series vessels do not carry an ASME Code stamp, you can still realize the benefits of an economic filter vessel that is manufactured to the same high standards and engineering expertise that characterizes all of our other FSI vessels.

### Features

- Offset, Side Inlet with Side Outlet (same side or opposite), or Side Inlet with Bottom Outlet configuration available
- Positive bag seating without the use of a manual hold-down device
- Single gasket cover seal
- Connections sizes available in either 2" or 3" NPT or flange



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## Options

- Available with extra length legs and evacuation floats
- ASME Code upgrade available
- NSF 61 Certification available with CBFP12 304SS and 316SS
- Mesh lined and heavy duty rimmed basket available
- Sanitary and Victaulic connections (available upon request)

## BAG FILTER HOUSINGS

### CBFP 11, 12 Vessels

#### Specifications

Number of Bags	1
Filter Bag Size	1, 2
Maximum Operating Pressure	150 PSI (10.34 Bar)
Design Temperature Range	Carbon Steel: 20 to 500°F (-6 to 260°C) Stainless Steel: -20 to 250°F (-28 to 121°C)
Materials of Construction	Carbon Steel, 304 & 316 Stainless Steel
Non-Wetted Parts	Carbon Steel: Carbon Steel Stainless Steel: May contain some plated Carbon Steel materials
Number of Gaskets	1
Connections	Flange or NPT
Surface Finish	Carbon Steel: Acrylic enamel painted exterior Stainless Steel: Light sand blast
Code Stamp	None
Gasket Material	Buna, EPR, Viton, Viton Teflon Encapsulated Buna White FDA
PolyLoc® Bag Seal	Positive Bag Seal without manual hold down
Lid Opening	Swing bolt



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## CBFP 11, 12 Vessels ~ HOW TO ORDER

CBF P 0012 A 0150 N 02 F 02 F 06 A 1 N

1 2 3 4 5 6 7 8 9 10 11 12 13 14

**1 Model Number**  
CBF

**2 Bag Style**  
P = PolyLoc®  
(standard on CBFP)

**3 Number of Bags**  
0011 = (1) #1 bag  
0012 = (1) #2 bag

**4 Vessel Material**  
A = Carbon Steel  
B = 304 Stainless Steel  
C = 316 Stainless Steel

**5 Vessel Pressure Rating (PSI)**  
0150

**6 Coating/Lining Material**  
A = Electropolish  
N = None  
S = Special  
X = Passivation

**7 Inlet Size**  
Use basic pipe size with  
the following exceptions:  
02 = 2"  
03 = 3"

**8 Inlet Type**  
C = Sanitary fitting  
D = Flange, din  
E = European EN Flange  
F = Flange, slip-on,  
raised face, std.  
N = Female NPT  
P = Plain pipe  
S = Special  
T = Plain OD Tube

**9 Outlet Size**  
See Inlet Size for codes

**10 Outlet Type**  
See Inlet Type for code letter

**11 Nozzle Configuration**  
02 = Side In/Bottom Out  
06 = Side In/Side Out, Offset  
08 = Side In/Side Out, Same Side  
  
See the [nozzle configuration chart](#)

**12 Internal Usage**  
A = Standard

**13 Lid Opening Type**  
1 = Hinge, std.

**14 Jacket Type**  
N = None



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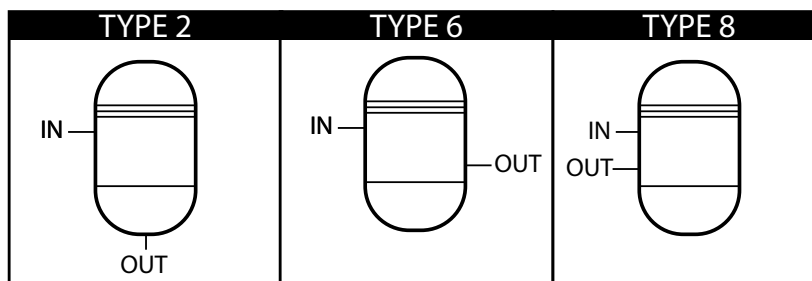
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## CBFP Inlet-Outlet Configurations



## CBFP 11, 12 Flow Rate Chart

Model Number	CBFP 11	CBFP 12
No. of Bags	1	1
Bag Size No.	1	2
Surface Area per Bag, Ft.	2.0	4.4
Surface Area per Vessel, Ft <sup>2</sup>	2.0	4.4
Inlet and Outlet Size	2"	2"
Max Flow Rate, GPM	60	120

NOTE: The maximum flow rate GPM is the MAXIMUM FLOW RATE recommended through the vessel using a 10 micron felt filter bag (PONG10) filtering water. Any increase in fluid viscosity will reduce the maximum GPM figures significantly. Please consult your FSI representative when sizing these vessels.



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