

4NBF SERIES

WesFlo® 4NBF Series Single & Multi-Bag Filter Vessels
304 Stainless Steel
Non-ASME code design
WesMag® Optional Upgrade

APPLICATIONS

Water
Cutting Oils
Lubricants
Solvents
Process Water
Coolants
Coatings
Potable Water



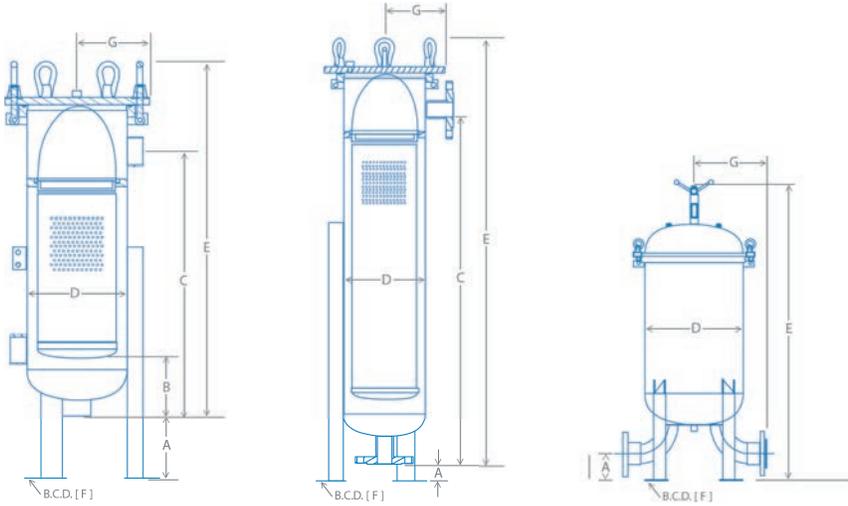
The WesFlo® 4NBF non-code single and multi-bag filter vessels provide an economically efficient means of filtration for a wide variety of liquid applications. With a lightweight, externally polished stainless steel design, these vessels also include a swing bolt (quick opening) closure and an internal positive pressure bag hold down device. The 4NBF vessels are designed to accommodate common industrial filter bag sizes 1, 2, 3 and 4. Optional WesMag® upgrade provides single or multi rare-earth magnetic filtration protection to extend filter and vessel life. These vessels are manufactured from polished and passivated 304 stainless steel and rated for 150 psi (10.3 bar). All hardware is stainless steel for additional corrosion resistance.

BENEFITS

- Maximum operating pressure is 150 psi at 300°F
- Single O-ring seal closure design assures quick, positive cover seal
- Swing bolts with eye nuts for easy access
- Stainless steel closure hardware
- Available with NPT or ANSI B16.5 flanged connections
- NPT models can be interchanged between a side-in/side-out or side-in/bottom-out configuration
- Standard NPT vents and drains
- EPDM seals are offered as standard with other seal materials available
- Standard stainless steel filter bag support basket
- Interior and exterior surfaces are pickled / passivated for enhanced corrosion allowance
- Exterior surfaces are polished for aesthetic purposes
- WesMag® upgrade extends the life of filter elements and vessel
- Removable rare earth magnets are housed in closed well for easy cleaning



4NBF



MATERIAL	MAX. ALLOWABLE PRESSURE (MAP)	MAX. ALLOWABLE TEMP. (MAT)
304 SST	150 psi (10.3 bar)	300°F (149°C)

CLOSURE O-RING GUIDE	
MATERIAL	MAX TEMP
NITRILE (BUNA-N)	250°F (121°C)
EPDM (EPR)**	300°F (149°C)
FKM (VITON®)	400°F (204°C)

* EPDM O-ring is standard

MODEL	BAG DIMENSIONS (in.)					VESSEL DIMENSIONS (in.)							SHIPPING WEIGHT (lbs)
	STYLE	QUANTITY	DIAMETER (in.)	MAXIMUM FLOW (gpm)	CONNECTION SIZE / TYPE	A	B	C	D	E	F	G	
ORDERING CONFIGURATIONS (SIZE 1 & 2 BAGS ONLY)													
4NBF11-2	1	1	7	80	2 in. NPT	19*	5.7	22.5	8.6	30.1	12.3	5.65	64
4NBF12-2	2	1	7	160	2 in. NPT	19*	6.3	36.3	8.6	43.9	12.3	5.65	82
4NBF12-2F	2	1	7	160	2 in. FLANGE	19*	N/A	37.8	8.6	45.4	12.3	7.1	82
4NBF12-3F	2	1	7	160	3 in. FLANGE	19*	N/A	37.8	8.6	45.4	12.3	7.1	90
4NBF42-4F	2	4	7	640	4 in. FLANGE	6.0	N/A	N/A	21.9	62.0	27.8	16	419
4NBF62-6F	2	6	7	960	6 in. FLANGE	7.1	N/A	N/A	27.8	70.7	34.0	17.4	660
ORDERING CONFIGURATIONS (SIZE 3 & 4 BAGS ONLY)													
4NBF13-1	3	1	4	15	1 in. NPT	6.0*	5.1	13.5	4.5	20.4	8.8	3.65	24
4NBF14-1	4	1	4	30	1 in. NPT	6.0*	5.1	13.5	4.5	25.9	8.8	3.65	29

316 SST material of construction available.

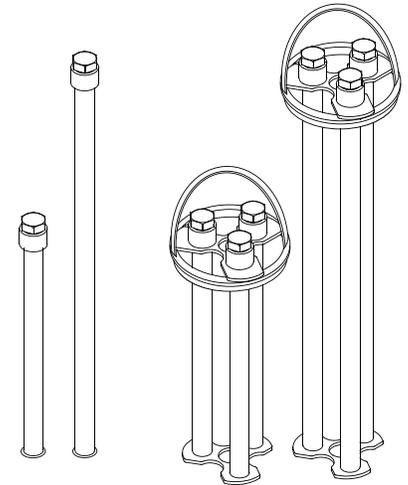
* Maximum - adjustable leg fully extended



Designed for use in single or multi-bag filter vessels, WesMag® improves filtration in systems where ferrous particulate (iron oxide) is present.

Bag Filter systems that do not take advantage of the WesMag® upgrade must rely solely on the bag to remove magnetic “black sludge.” By adding magnetic filtration, you can increase the longevity of your bag filter because iron oxide is collected, regardless of micron size, before it has a chance to clog, damage, or pass through the filter.

WesMag® rare earth magnets are made from neodymium and are rated for all pressures and flow rates. WesMag® can be used and reused, and is easy to clean and reinstall. Simply pull the magnets from their stainless steel housing and wipe the iron oxide away.



ORDERING INFORMATION

4		N		BF											
MATERIAL		DESIGN SERIES		BAG FILTER SERIES		BAG QTY		BAG		BAG LENGTH		INLET / OUTLET		WESMAG	
4	304 SST	N	Non-ASME	BF	1 BAG OR MULTIPLE BAGS	1	1	16.5 in.	2, 2F or 3F	2 in. NPT, 2 in. ANSI or 3 in. ANSI	2 in. NPT, 2 in. ANSI or 3 in. ANSI	WM11	#1, Single		
							2	32 in.	1	1 in. NPT		WM21	#2, Single		
							3	8 in.	1	1 in. NPT		WM13	#1, Triple		
							4	14 in.	1	1 in. NPT		WM23	#2, Triple		
						4	2	32 in.	4	4 in. NPT					
						6	2	32 in.	6	6 in. NPT					



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