



PolyFlo™ LD Series Polypropylene Large Diameter Vessels

Behringer PolyFlo™ LD Series Vessels are an excellent choice and an economical solution to low flow industrial water, as well as potable and residential water applications. They are constructed of a reinforced polypropylene head and a reinforced polypropylene or clear styrene acrylonitrile (SAN) bowl. All materials of construction are ANSI/NSF Standard 42 registered materials, and meet FDA standards for acceptable materials for potable water use. The LD Series Vessels accept 4 ½” diameter filter cartridges in 10 and 20 inch nominal lengths. Additional accessories such as mounting brackets, differential pressure gauges, and pressure relief valves are available to ease installation and operation of the unit.

Applications

- Potable Water
- Juices / Beverages
- RO Pre-filters
- Chemicals
- Food Processing
- Food Products
- Coolants
- Waste Effluent

Features and Benefits

- White talc reinforced polypropylene head with blue talc reinforced or clear styrene acrylonitrile (SAN) bowl: These materials are NSF listed materials and meet FDA material requirements for food-grade applications
- Fully tested to industry standards of the Water Quality Association for burst pressure, water tightness, and fatigue resistance
- 2-3 times the flow rate of PolyFlo™ Standard and other manufacturer’s standard vessels
- Standard with Both 1 ½” and 1” NPT Female connections in the same head
- Bowl-To-Head seal by securely retained Buna-N O-ring: The unique O-ring sealing filter ensures a reliable seal every time by positive tangential contact, without the possibility of dislodging the seal. This ensures a leak-free seal every time.
- Bowl-To-Head thread stop: The unique thread design incorporates a “stop thread” that prevents over-tightening commonly associated with tapered-end threads.
- Mounting threads in head, with optional mounting brackets for pipe and wall mounting
- Accepts industry standard cartridges with 4 ½” diameter in two standard lengths: 9-3/4in. and 20in.
- Available with or without pressure relief vent button.
- Installation wrenches are available to facilitate faster element change-outs
- Accepts Behringer’s string wound, melt-blown, pleated polypropylene, resin bonded, and activated carbon cartridges
- Additional accessories include differential pressure gauges and 1/4” NPT drains.

Specifications

Recommended Operating Conditions

Type:	PolyFlo™ Inline T-Type
Connections:	1" and 1 1/2" NPTF
Max Operating Pressure:	125 psi (8.5 bar)*
Max Operating Temperature:	125° F (52° C)
Recommended Flow Rate:	
10"	25 gpm (94 lpm)
20"	45 gpm (170 lpm)

Materials of Construction

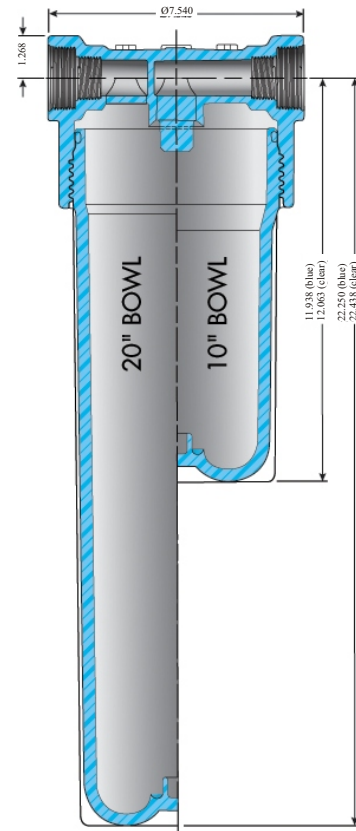
Head:	White talc-reinforced polypropylene
Bowl:	
Blue:	Blue talc-reinforced polypropylene
Clear:	Clear styrene acrylonitrile (SAN)
O-Ring Seal:	Buna-N (standard) Silicone, Viton, EPR, Encapsulated Teflon (on request)

Cartridge Specifications

Cartridge OD:	4.50 in. (63.5mm)
Cartridge ID:	1.06 in. (27mm)
Cartridge Ends:	Double open end
Cartridge Lengths:	10 in.: 9.75 in. (248 mm) 20 in.: 20.0 in. (508 mm)

* Max operating pressure of 150 psi is at ambient operating temperatures of 70° F (21° C)

Please note: maximum operating temperature is for the housing only, and is not indicative of the maximum operating pressure of the filter cartridge.



Filter Vessel Accessories

Wall Bracket	PFLD-WB
Wall Bracket w/ gauge hole	PFLD-GB
Wrench for 10 in. Shell	PFLDW-1
Wrench for 20 in. Shell	PFLDW-2

Ordering Information

Table1 Table2 Table3 Table4

PFLD

Length <small>Table1</small>		Bowl <small>Table2</small>		Seals <small>Table3</small>		Options <small>Table4</small>	
10	9.75 in. (248 mm)	B	Blue polypropylene	B	Buna-N	omit	Without relief valve button
20	20.0 in. (508 mm)	C	Clear SAN	S	Silicone	V	With relief valve button
				V	Viton	DP	Diff. Pressure Gauge (With no relief valve)
				E	EPR	X	1/4" NPT Drain
				T	Teflon (Encapsulated)		

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