FLV Series
Duplex Bag Filters

DOUBLE LENGTH – 32" GFPP
1-1/4" TO 4" PIPE SIZES

KEY FEATURES

- Platinum Glass Filled Polypropylene
- One-Piece Injection Molded Construction
- Hand Removable, Ergonomic Cover with Liquid Displacing Dome
- Vent Valve Included on Cover
- Rated up to 100 GPM – 1-1/4" to 2"
- Rated up to 150 GPM – 2-1/2" to 4"
- True Union Socket, Threaded or Flanged End Connections
- In-Line or Loop Flow Configurations
- Hinged Basket for Easy Bag Removal
- Drain Port at Bottom
- Integral Mounting Base

BENEFITS

- Easier Installations Due to True Union Connectivity
- Simplified Bag Removal from Hinged Basket
- Vertical Flow Flutes in Basket, No Bag Snag and More Flow Area

TYPICAL APPLICATIONS

- Water and Wastewater Treatment
- Chemical Processing
- Food and Beverage
- Metal Plating
- Aquatic and Animal Life Support Systems
- Water/Theme Parks
- Aquaculture

OPTIONS

- Gauge with Gauge Guard
- Pressure Differential Gauge and Switch
- EPDM O-Ring Seals
- Cartridge Adapters

MATERIALS

- CPVC Cell Class 23447 per ASTM D1784
- GFPP Cell Class 85580 per ASTM D4101
- FPM Standard O-Ring Seals

TECHNICAL INFORMATION

SELECTION CHART

SIZE / BODY MATERIAL	END CONNECTIONS	PIPING SIZES	O-RING SEALS	PRESSURE RATING (BAR)
Double Length 7" x 32" GFPP	CPVC (Socket, Threaded or Flanged)	1-1/4" – 2" rated @ 100 GPM*	FPM or EPDM	150 PSI @ 70°F Non-Shock (10 Bar / 1 MPa @ 21°C)
	GFPP (Threaded and Flanged)	2-1/2" – 4" rated @ 150 GPM*		

* May be Limited by Pipe Size or Bag Choice

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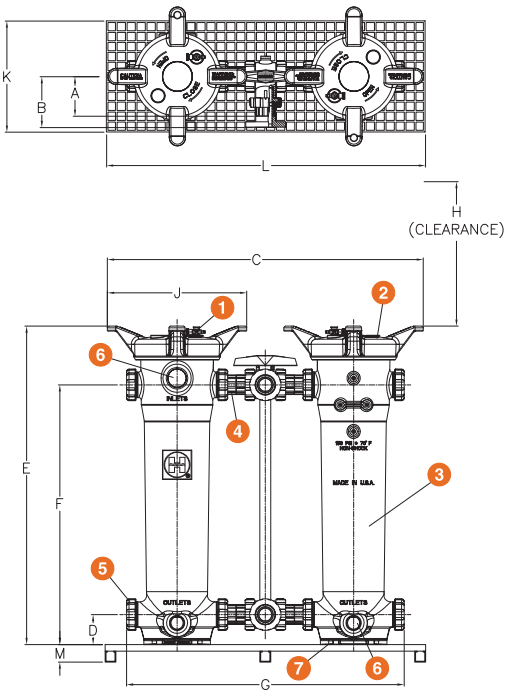
TECHNICAL INFORMATION, *CONTINUED*

PARTS LIST*

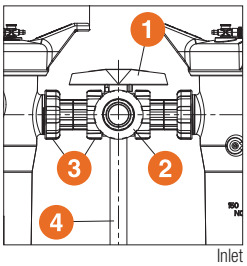
1. Vent Valve (Included)
2. Cover
3. Filter Vessel Body
4. End Connector
5. Assembly Nut
6. Alternate 2" NPT Ports
7. Integrally Molded Mounting Pad

* See page 8 for a complete Parts List

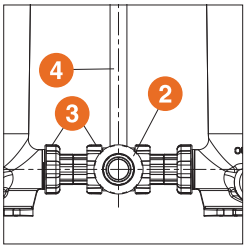


PIPING PARTS LIST

1. Handle
2. LA Series Three-Way Lateral Valve
3. Spool Assembly (Each Side)
4. Stem Extension Pipe



Inlet



Outlet

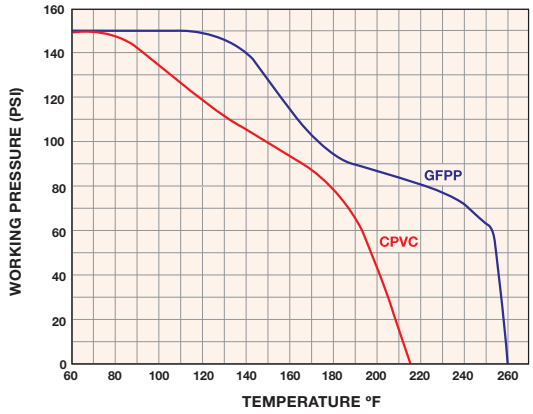
DIMENSIONS – INCHES / MILLIMETERS

VESSEL SIZE in / DN	A in / mm	B in / mm	C in / mm	D in / mm	E in / mm	F in / mm	G in / mm	H* in / mm	J in / mm	K in / mm	L in / mm	M in / mm
1-1/4" / 32	6.00 / 152	7.44 / 189	47.44 / 1205	4.50 / 114	47.83 / 1215	39.00 / 991	41.70 / 1059	31.25 / 794	20.93 / 532	16.75 / 425	48.00 / 1219	2.62 / 67
1-1/2" / 40	6.00 / 152	7.60 / 193	47.44 / 1205	4.50 / 114	47.83 / 1215	39.00 / 991	41.70 / 1059	31.25 / 794	20.93 / 532	16.75 / 425	48.00 / 1219	2.62 / 67
2" / 50	6.00 / 152	7.77 / 197	47.44 / 1205	4.50 / 114	47.83 / 1215	39.00 / 991	41.70 / 1059	31.25 / 794	20.93 / 532	16.75 / 425	48.00 / 1219	2.62 / 67
2-1/2" / 63	7.60 / 193	9.85 / 250	55.17 / 1401	4.50 / 114	47.83 / 1215	39.00 / 991	50.99 / 1295	31.25 / 794	20.93 / 532	16.75 / 425	48.00 / 1219	2.62 / 67
3" / 80	7.60 / 193	9.85 / 205	55.17 / 1401	4.50 / 114	47.83 / 1215	39.00 / 991	50.99 / 1295	31.25 / 794	20.93 / 532	16.75 / 425	48.00 / 1219	2.62 / 67
4" / 100	9.33 / 237	11.76 / 299	55.17 / 1401	4.50 / 114	47.83 / 1215	39.00 / 991	50.99 / 1295	31.25 / 794	20.93 / 532	16.75 / 425	48.00 / 1219	2.62 / 67

Dimensions are subject to change without notice – consult factory for installation information

* Clearance from top for basket removal

OPERATING TEMPERATURE / PRESSURE



SPECIFICATIONS

Material of Construction:	GFPP
Inlet Connections:	GFPP (Threaded and Flanged) CPVC (Socket, Threaded or Flanged)
Outlet Connections:	GFPP (Threaded and Flanged) CPVC (Socket, Threaded or Flanged)
Bag Size:	Bag Size #2: 7" x 32"
Pressure Rating:	150 PSI @ 70°F Non-Shock
O-Ring Seals:	FPM or EPDM
Bag Ratings:	1, 5, 10, 25, 50, 100, 150, 200, 400, 600 and 800 Microns
Maximum Flow Rates:	100 GPM – 1-1/4" to 2" *(May be Limited by Pipe Size or Bag Choice)* 150 GPM – 2-1/2" to 4" *(May be Limited by Pipe Size or Bag Choice)*
Mounting Base:	Fiberglass
Hardware:	Stainless Steel
Basket Open Area Ratios:	up to 2" – 54:1 / 2-1/2" to 4" – 14:1
Weight:	up to 2" – 132.0 lbs. / 2-1/2" to 4" – 145.0 lbs.