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## TECHNICAL INFORMATION

### SELECTION CHART

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

\* May be Limited by Pipe Size or Bag Choice

## 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

# FLV Series Duplex Bag Filters

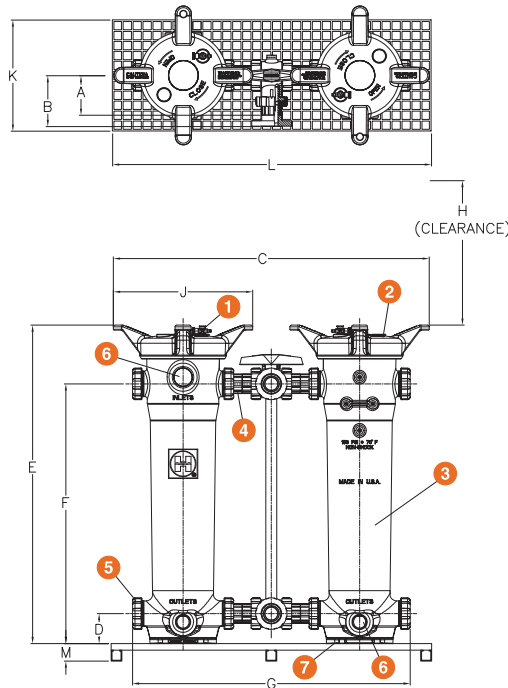
DOUBLE LENGTH – 32" GFPP  
1-1/4" TO 4" PIPE SIZES

## TECHNICAL INFORMATION, CONTINUED

### PARTS LIST\*

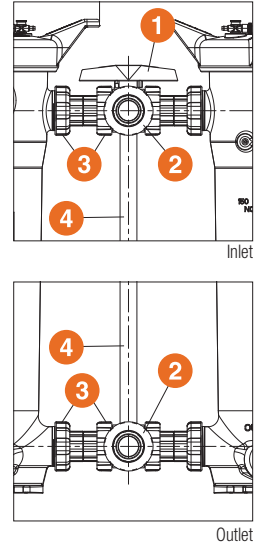
1. Vent Valve (Included)
2. Cover
3. Filter Vessel Body
4. End Connector
5. Assembly Nut
6. Alternate 2" NPT Ports
7. Integrally Molded Mounting Pad

\* See page 8 for a complete Parts List



### PIPING PARTS LIST

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



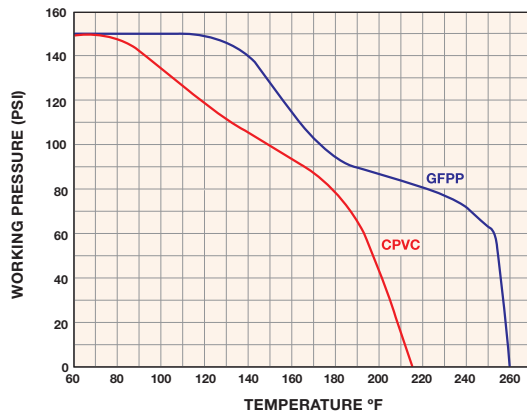
### DIMENSIONS – INCHES / MILLIMETERS

| VESSEL SIZE<br>in / DN | A<br>in / mm | B<br>in / mm | C<br>in / mm | D<br>in / mm | E<br>in / mm | F<br>in / mm | G<br>in / mm | H*<br>in / mm | J<br>in / mm | K<br>in / mm | L<br>in / mm | M<br>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.



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