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## **DUPLEX GFPP FLV/CFLV SERIES SPECIFICATIONS:**

All Thermoplastic duplex filters shall be manufactured with two (2) one piece injection molded Glass-Filled Polypropylene vessels conforming to ASTM D4101, Cell Classification 85580 in single-length or double-length sizes. Duplex Filter Vessel system shall feature true union design for pipe sizes 2", 3" and 4" / DN50, 65 or 80. O-rings and seals shall be FPM standard with EPDM optional per the chemical requirements. Vessels to be joined via spool assembly with tandem operated Hayward True Union CPVC LA Series lateral diverter valves to allow for the shut off of one vessel for maintenance, while allowing flow through the other vessel. Valve connections to be socket, threaded or flanged end connections. Valves to be connected with solid CPVC rod.

The filter vessels shall accommodate both bag filtration and cartridge filtration (with use of a cartridge filter adapter kit). The internal bag carrier for bag filtration, shall be one-piece injection molded construction in Glass-Filled Polypropylene material with vertical ribs to ease bag removal. Carrier to include removable bag retainer ring for securing bags in-place via a camlock handle integral to the basket, and ensure proper bag seating during operation. Cartridge kits to be constructed of Polypropylene and allow for a single (7" OD) cartridge or five (5) cartridges (2-1/2" OD).

Vessels shall contain interrupted external cover thread for safety purposes. Each vessel shall have an integral mounting base. Covers shall contain vent valve which is protected by raised handles. Covers shall have an integral liquid-displacing dome on the underside of each cover. Cover-to-Body seal will be a face-seal, no piston-type seal to be allowed. Covers to include a vent valve.

All Duplex systems to be mounted on a FRP platform. Units to have bosses for drill and tap of each housing for differential pressure gauge to be mounted.

All filter vessels shall be pressure-rated for 150psi / 10bar at 70°F/23°C non-shock. Duplex Filter system shall carry a Global three (3) year warranty, and shall be manufactured by Hayward Flow Control products in the USA.