

*Industrial / Commercial, Hi-Rate,  
Permanent Media, Filtration Systems*

# ***FRP Tank Series***

***104F – 810F***

***120F – 8160F***



*Clean Water for the World®*

SINCE 1980 EPD HAS BEEN THE INNOVATOR OF HI-RATE FILTRATION WITH FEATURES LIKE: PLC BASED CONTROLS, BACKWASH SIGHT-GLASS AND PRIORITY VALVES, AND OUR PRESSURE AMPLIFICATION SYSTEMS.



EPD 308F

For decades EPD has transformed dull, cloudy pool water into sparkling, clear, competition/performance quality, highly filtered water; surpassing any other system. All multiple tank systems backwash one tank at a time with clean filtered water and can be initiated by pressure differential settings or time set.



Our rugged industrial/commercial, hi-rate, permanent media, fiberglass reinforced plastic (FRP) filtration systems offer a cost effective and reliable alternative to more expensive products on the market today. EPD designs, develops and manufactures these simple yet impressive filtration systems with the end-user in mind: compact design for easy installation (also perfect for retrofit applications), ease of operation, cost effective, rugged and reliable. Available from one to eight tank configurations, our systems have many fail-safe features and are available in fully-automatic, semi-automatic or manual models.



EPD 104F

EPD component systems are fabricated of the finest materials available, to exacting design specifications and manufacturing standards. That is why we are confident to include generous, limited warranties with every system that leaves our facility.



*EPD products are a perfect partner for such demanding filtration applications as: agriculture, amusement parks, commercial swimming pools, cooling towers, decorative aquatic displays, food and beverage processing, industrial process, sewage treatment, water reclamation projects, zoological applications, aquaculture and drinking water.*

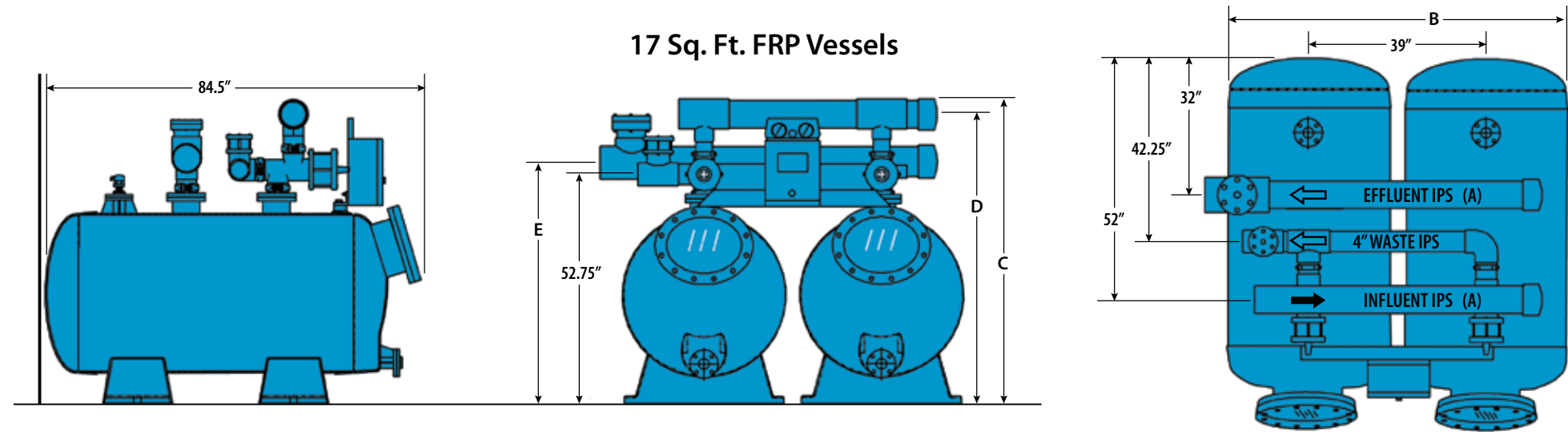


EPD PRIDES ITSELF ON ITS CUSTOMER SERVICE BOTH BEFORE AND AFTER THE PURCHASE OF OUR SYSTEM. WE CAN SOLVE YOUR TOUGHEST FILTRATION ISSUES. WE DON'T JUST MANUFACTURE TANKS WE PROVIDE EXPERT FILTRATION SOLUTIONS.



Clean Water for the World®

EPD DESIGNS AND TESTS ALL PRODUCTS BEYOND INDUSTRY STANDARDS TO ENSURE OUTSTANDING PERFORMANCE



**Engineering Notes**

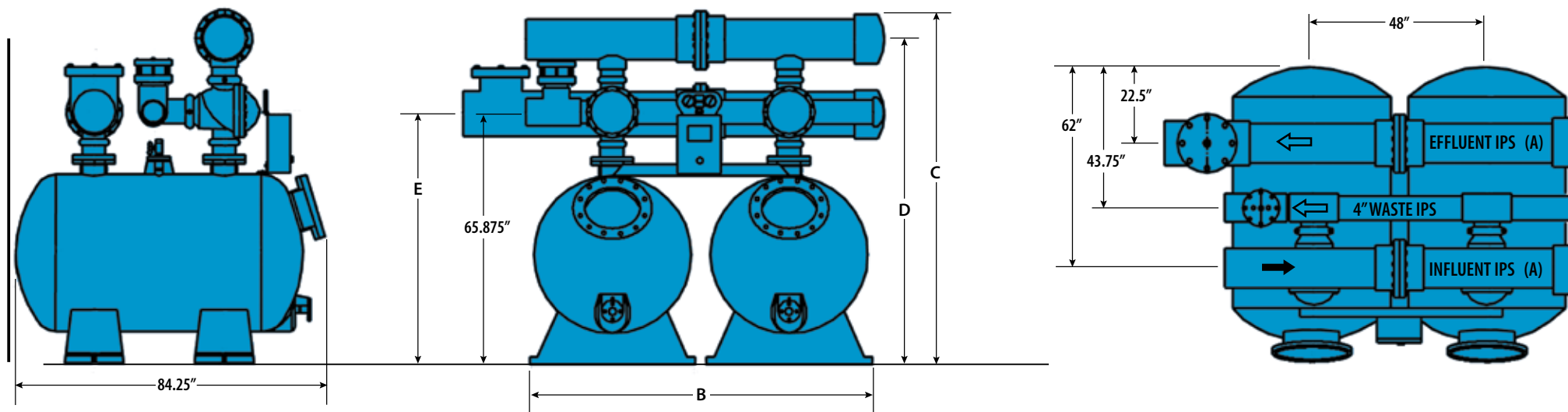
Head loss through all EPD filters will vary dependent upon filter media and flow rate on start-up. It is recommended that back-wash occur when a 15 PSID (103.42kPaD) differential pressure is indicated on the system pressure gauges.

When sizing the main recirculating pump for the EPD Hi-Rate filter system, calculate head loss for maximum dirt load at 15 to 20 PSID (103.42 to 137.90kPaD) through the filter and face piping.

Dimensions are not to be used for construction unless certified by the EPD engineering department. All tanks must be backwashed at a minimum of 15 gpm per sq. ft. (.61m<sup>3</sup> per m<sup>2</sup>) of filter area.

	No. Tanks	Model Number	Filter Area Sq.Ft (m <sup>2</sup> )	Flow Rate GPM (m <sup>3</sup> /min)	Effluent IPS A	Foot Print B	Height C	Influent D	Effluent E	Media Req. Ft. <sup>3</sup> (m <sup>3</sup> )	Operating Weight lbs. (km)
17 Sq. Ft. FRP Vessels	1	104F	17 (1.58)	255-340 (.97-1.29)	4"	36" (.91)	64.25" (1.63)	63.50" (1.61)	52.75" (1.34)	24 (.68)	4,845 (2,202)
	2	206F	34 (3.16)	510-680 (1.93-2.57)	6"	75" (1.9)	67.50" (1.71)	64.75" (1.64)	56.00" (1.42)	48 (1.36)	9,590 (4,359)
	3	308F	51 (4.74)	765-1020 (2.90-3.86)	8"	114" (2.9)	71.50" (1.82)	67.25" (1.71)	58.50" (1.49)	72 (2.04)	14,235 (6,470)
	4	408F	68 (6.32)	1020-1360 (3.86-5.15)	8"	153" (3.89)	71.50 (1.82)	67.25" (1.71)	58.50" (1.49)	96 (2.72)	19,280 (8,764)
	5	510F	85 (7.90)	1275-1700 (4.83-6.43)	10"	192" (4.88)	74.75" (1.90)	69.50" (1.77)	60.75" (1.54)	120 (3.40)	23,425 (10,648)
	6	610F	102 (9.48)	1530-2040 (5.79-7.72)	10"	231" (5.87)	74.75" (1.90)	69.50" (1.77)	60.75" (1.54)	144 (4.08)	28,730 (13,059)
	7	710F	119 (11.05)	1785-2380 (6.76-9.01)	10"	270" (6.86)	74.75" (1.90)	69.50" (1.77)	60.75" (1.54)	168 (4.76)	33,435 (15,198)
	8	810F	136 (12.63)	2040-2720 (7.72-10.30)	10"	309" (7.85)	74.75" (1.90)	69.50" (1.77)	60.75" (1.54)	192 (5.44)	38,900 (17,682)
20 Sq. Ft. FRP Vessels	1	120F	20 (1.86)	300-400 (1.14-1.51)	6"	45" (1.14)	93.05" (2.36)	87.55" (2.22)	65.88" (1.67)	27 (.76)	5,664 (2,575)
	2	240F	40 (3.72)	400-650 (1.51-2.46)	6"	93" (2.36)	93.05" (2.36)	87.55" (2.22)	65.88" (1.67)	54 (1.53)	11,391 (5,167)
	2	241F	40 (3.72)	650-800 (2.46-3.03)	8"	93" (2.36)	95.30" (2.42)	88.55" (2.25)	66.88" (1.69)	54 (1.53)	11,487 (5,210)
	3	360F	60 (5.57)	800-1100 (3.03-4.16)	8"	141" (3.58)	95.30" (2.42)	88.55" (2.25)	66.88" (1.69)	81 (2.29)	17,180 (7,793)
	4	480F	80 (7.43)	1100-1600 (4.16-6.06)	10"	189" (4.80)	98.63" (2.51)	90.63" (2.30)	67.94" (1.73)	108 (3.06)	23,104 (10,480)
	5	5100F	100 (9.30)	1600-1800 (6.06-6.81)	10"	237" (6.02)	98.63" (2.51)	90.63" (2.30)	67.94" (1.73)	135 (3.82)	28,917 (13,117)
	5	5110F	100 (9.30)	1800-2000 (6.81-7.57)	12"	237" (6.02)	101.13" (2.57)	91.63" (2.33)	68.94" (1.75)	135 (3.82)	29,136 (13,216)
	6	6120F	120 (11.15)	2000-2400 (7.57-9.08)	12"	285" (7.24)	101.13" (2.57)	91.63" (2.33)	68.94" (1.75)	162 (4.59)	35,004 (15,878)
7	7140F	140 (13.01)	2400-2500 (9.08-9.46)	12"	333" (8.46)	101.13" (2.57)	91.63" (2.33)	68.94" (1.75)	189 (5.35)	40,872 (18,539)	
8	8160F	160 (14.86)	2500-2800 (9.46-10.60)	12"	381" (9.68)	101.13" (2.57)	91.23" (2.33)	68.94" (1.75)	216 (6.12)	46,740 (21,201)	

**20 Sq. Ft. FRP Vessels**



• All connections are PVC sockets. • Metric conversion in ( ).



Features like our world class design and proven technology are just the beginning to our line of impressive features. EPD's filtration systems have all the features to meet or exceed many of your specifications:

- **Seismic, Zone 4 Rating** for Tanks and Legs.
- **Influent, Effluent and Waste Line Piping** allow for right or left hand installations.
- **System Piping is preassembled, and tested, schedule 80 PVC.**
- **Grooved, Quick Assembly, Pipe Couplings** allow for easy assembly and superior vibration attenuation.
- **Winterizing Drain Plug** facilitates media evacuation.
- **Easy Access Manhole Assembly** ensures smooth internal access.
- **EPD sells complete, fully-tested systems.** Systems include tanks, manifolds and backwash valves.
- EPD's systems are **listed by the NSF and Underwriters Laboratories, Inc.**



TAKE A CLOSER LOOK AT WHY WE ARE THE FILTRATION PROFESSIONALS CHOICE FOR ALL THEIR FILTRATION NEEDS.

**Overhead Distribution System** assures hydraulic balance of influent water and prevents media migration

**Integrated Effluent Riser** is a single piece installed from outside the filter vessel

**Underdrain Lateral Assemblies** assure balanced fluidization

**Backwash Sight Glass** allows operator to view and adjust backwash discharge

Improve your systems performance with EPD's **Optional Instrumentation Package**

**Aquatic Intelligence Control System** with the Touchscreen User Interface provides for worry free operation. U.L. listed

**Full-view, acrylic manway cover**, for clear filtration viewing and easy access.



*Disclaimer: EPD reserves the right to change or modify it's product(s), policies, prices and channels of distribution without notice.*



*Clean Water for the World®*

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