

PF-50 SERIES

Designed For Closed Loop HVAC Applications

FEATURES

- Available in flow rates of 15, 35, 65, 100, 140 and 190 GPM.
- Positive filtration down to 5 micron.
- Fusion bonded epoxy lined/polyester coated carbon steel vessel rated for 150 psi at 150° F (optional higher pressure ratings and ASME code stamp available).
- Industrial grade brass 2-way ball valves (model PF-5036 & 5042 equipped with cast iron butterfly valves).
- Automatic option includes: NEMA 3R control cabinet, door disconnect switch, electric actuators, adjustable solid state timer and 24 hr. backwash clock.
- Optional pump, pre-strainer, face piping and skid are available.



APPLICATION

PUROFLUX's PF-50 series filtration systems were developed specifically to handle filtration requirements for HVAC chilled and hot water closed loop systems that can not tolerate water loss. PF-50 permanent media filters are designed to remove contaminants within closed loop systems down to 5 micron that can create system inefficiencies on heat transfer surfaces. Utilizing a dual valve tree design, the PF-50 filter can be backwashed with minimal loss of system fluid.

The PF-50 closed system filter should be sized to recirculate the volume of water within the system once every twelve hours. Based on this sizing, the PF-50 can maintain a clean system free of contamination.

TYPICAL APPLICATIONS INCLUDE:

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|--------------------------------------|--------------------------------------|--------------------|
| • Cooling Towers | • Secondary Water Treatment | • Food Industries |
| • Waste Water Discharge | • Pre-Filtration for Microfiltration | • Aquatic Exhibits |
| • Pre-Filtration for Reverse Osmosis | • Irrigation Systems | • Fish Hatcheries |

RELIABILITY

The PF-50 permanent media filters are designed to withstand the harshest environments and deliver long lasting reliability. PUROFLUX utilizes its extensive engineering background in process filtration and water treatment to provide simple, reliable systems that require minimum maintenance..

SERVICE

Technical field service representatives are available to provide guidance for application, installation and repair in both domestic and international markets.

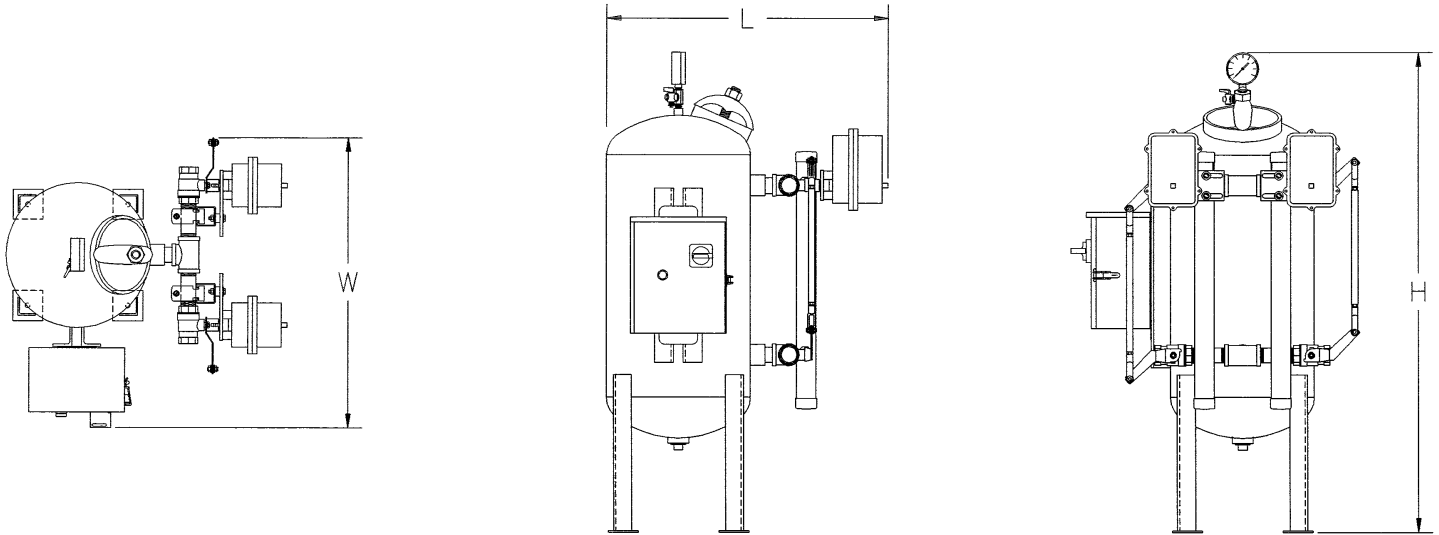
AFFORDABILITY

The PF-50 permanent media filter is an affordable alternative to other comparable types of filtration, and with its low initial investment, offers a quick return on investment.

S-50/03

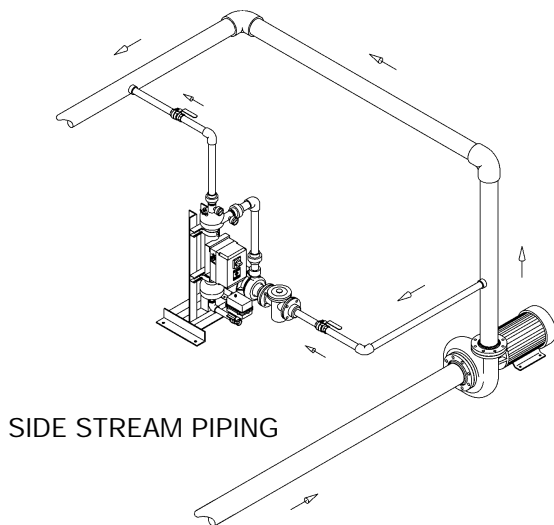


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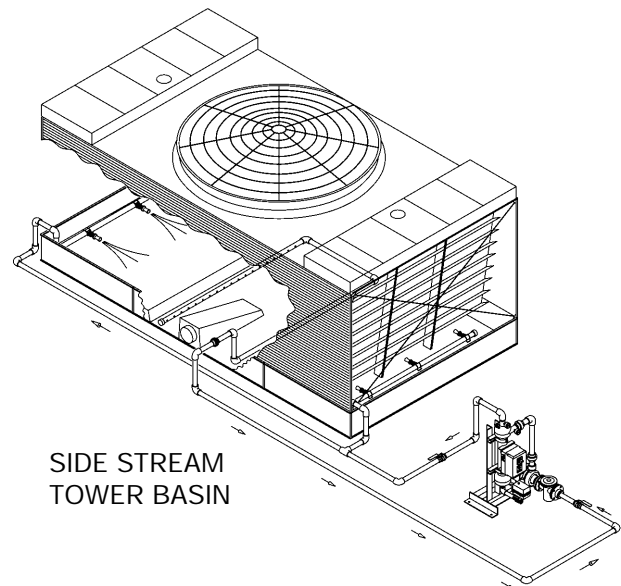


MODEL	FLOW RATE	FILTRATION AREA	VALVE SIZE	DIMENSIONS			WEIGHT, LBS	
Number	GPM	Sq. Ft.	Inches	L	H	W	Shipping	Oper.
PF-5012	15	0.78	1.0	25"	39"	27"	300	350
PF-5018	35	1.77	1.5	31"	39"	30"	480	640
PF-5024	65	3.14	1.5	37"	40"	34"	700	960
PF-5030	100	4.91	2.0	44"	40"	39"	860	1210
PF-5036	140	7.10	2.5	55"	46"	48"	1350	1890
PF-5042	190	9.60	3.0	62"	50"	52"	2050	2760

TYPICAL INSTALLATION



SIDE STREAM PIPING



SIDE STREAM
TOWER BASIN



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