

# 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 (lower micron rating available).
- 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 valves (model PF-5036 & PF-5042 equipped with cast iron butterfly valves).
- Automatic option includes: NEMA 4X 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 5-micron and smaller that can create system inefficiencies on heat transfer surfaces within closed loop systems. Utilizing a dual valve tree design, the PF-50 filter can be backwashed with minimal loss of system fluid.

## TYPICAL APPLICATIONS INCLUDE:

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



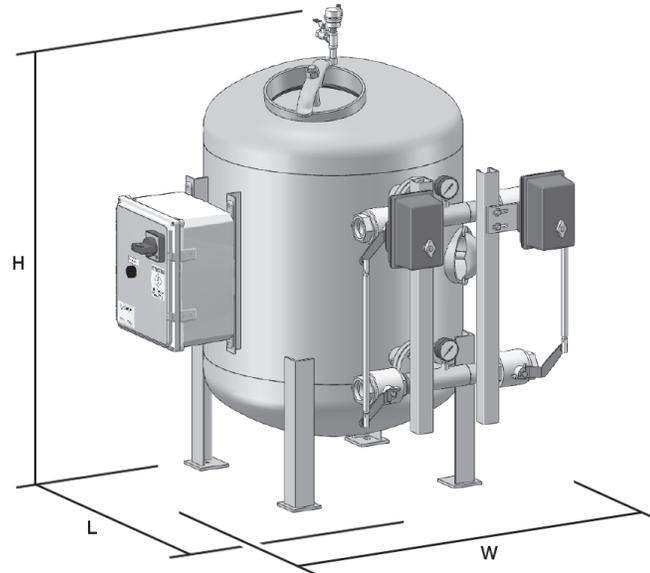
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# PUROFLUX

CORPORATION  
FILTRATION AND CONTROL SYSTEMS

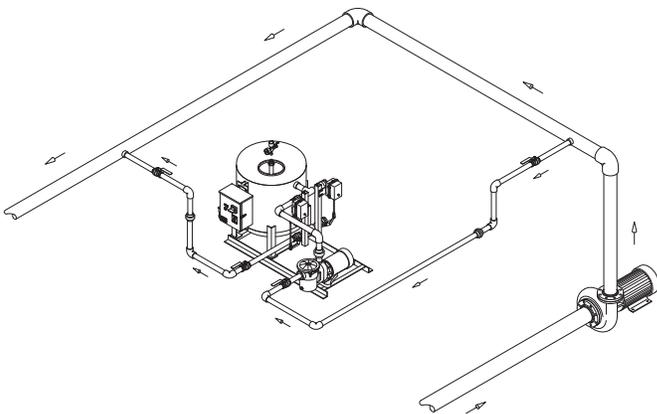
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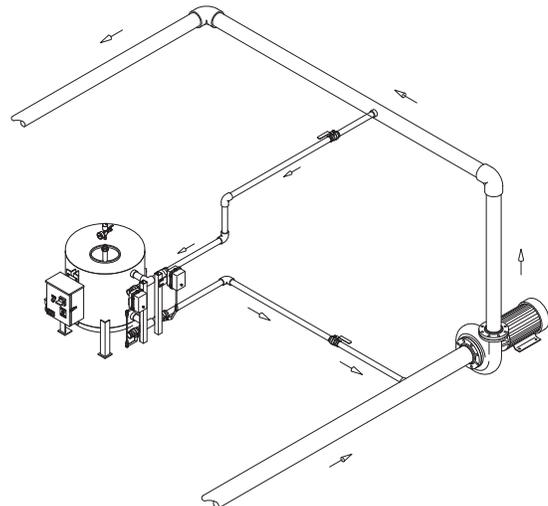
MODEL Number	FLOW RATE GPM	FILTRATION AREA Sq. Ft.	VALVE SIZE Inches	DIMENSIONS			WEIGHT, LBS	
				L	H	W	Shipping	Oper.
PF-5012	15	0.78	1.0	25"	39"	27"	300	350
PF-5018	35	1.77	1.5	31"	39"	30"	480	640
PF-5024	65	3.14	1.5	37"	40"	34"	700	960
PF-5030	100	4.91	2.0	44"	40"	39"	860	1210
PF-5036	140	7.10	2.5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

\* Dimensions are approximate.  
\*\* Shipping weight includes media.

## TYPICAL INSTALLATION



SIDE STREAM PIPING



SIDE STREAM PIPING



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