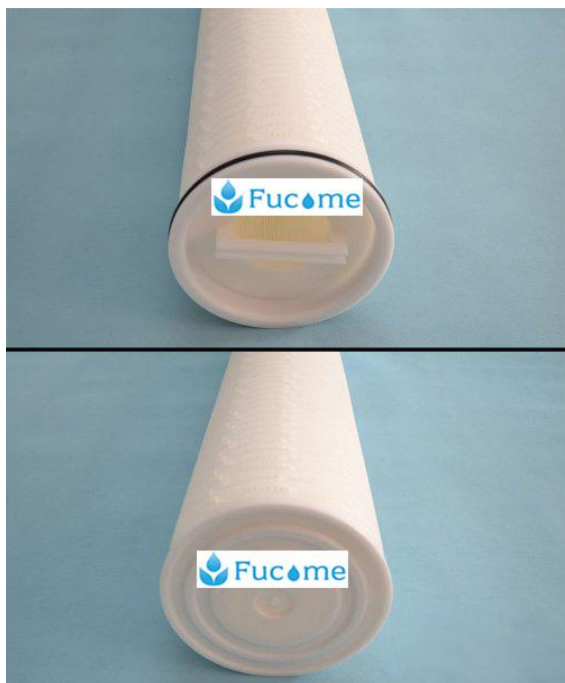




PU Series High Flow Pleated Cartridge Filters



General Description

With Strong R & D ability, Fucome company specially develop PU Series High Flow Pleated Cartridge Filters in advanced technology which could replace Pall Ultipleat High Flow Filters. The large flow filter has a 6 inch./152mm large diameter, and it is coreless, single open-ended with an inside to outside flow pattern. The large flow filter diameter with big filter area insures to reduce the number of filter cartridges, the dimension of housing required, long service life and low investment. This kind of cartridges combine the performance of water filter distributor advantages of

cartridge filters with the ease use of bag filter systems which offers unique combination of benefits and unmatched economics.

Typical Applications

- Prefiltration of RO system, Pretreatment of sea water desalination.
- Condensate water filtration, cooling water in power plant.
- API, solvents, and pure water in BioPharm area.
- Bottled water, high Fructose, edible oil, soft drinks, and milk in food and beverage industries.
- Paints and coatings, Petrochemical, Refineries in Chemical and petrochemical industries.
- Microelectronics, film, fiber and resin.

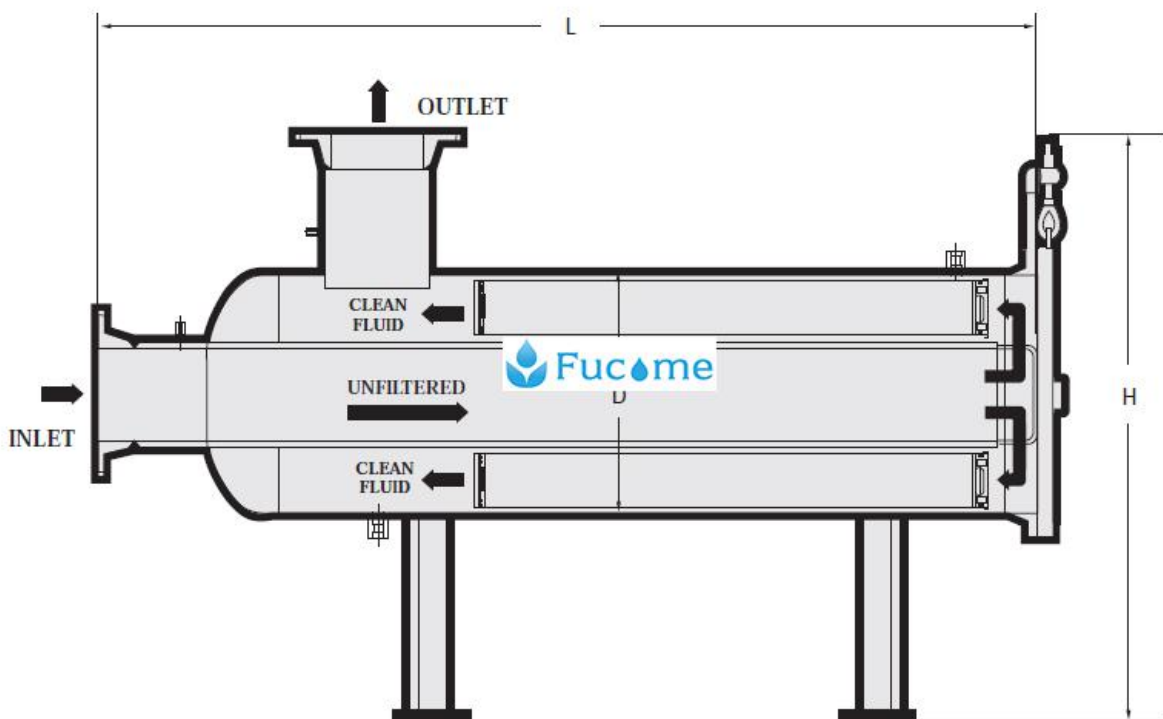
Product Features

- Outside to inside flow direction with gradient pore structure block all contaminants.
- Maximum 110M³/H flow rate could be acheive for single cartridge.
- Maximum 50% save compare with typical size system.
- Common-use size are 20inch/528mm, 40inch/1022mm and 60inch/1538mm while special specification can be customized.
- High surface area pleated design provides low pressure drop and long service life

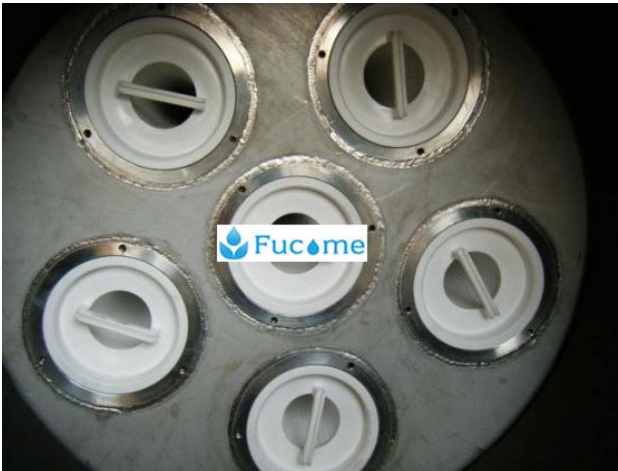
Inner structure



Functional Diagram

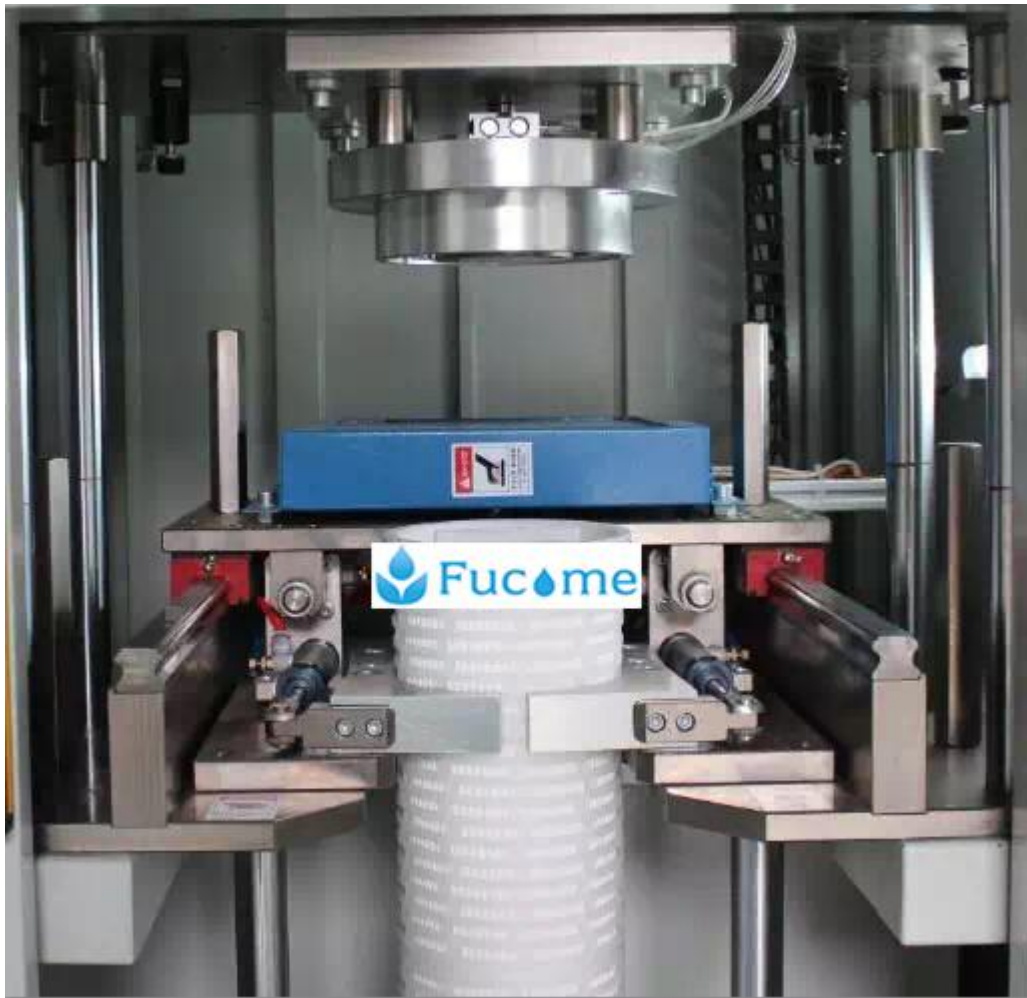


Working Example



Workshop & Lab



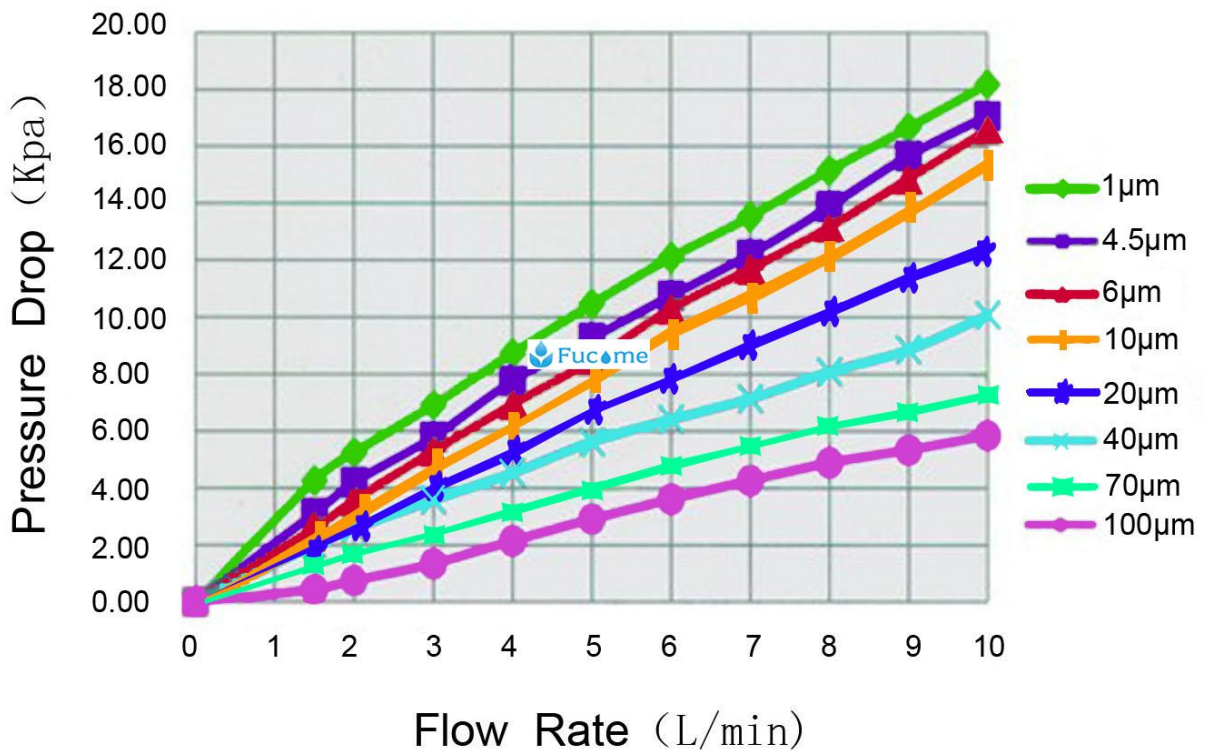


Specifications

Maximum Operating Temperature	PP Melt Blown: 65 °C
	Pleated depth PP: 82 °C
	Pleated glass fiber: 121 °C
Maximum Differential Pressure	PP Melt Blown: 1.03 Bar at 65 °C
	Pleated depth PP: 3.4 Bar at 82 °C
	Pleated glass fiber: 3.4 Bar at 121 °C
Suggested maximum flow of water	20.69 inch length: 660 LPM
	40.69 inch length: 1,300 LPM
	60.69 inch length: 1,900 LPM
Recommend Change out Differential Pressure	2.4 Bar at 20 °C

Filter Media	PP Melt blown,Pleated glass fiber,Pleated depth PP
Length	20"(508 mm),40"(1016 mm),60"(1524 mm)
Outside Diameter	6 inch (152 mm)
Filtration Rating	1μm,4.5μm,6μm,10μm,20μm,40μm,70μm,100μm
Support/Drainage	Polypropylene (PP)
End Cap Material	Glass fiber reinforced Polypropylene (PP)
Seal Material	EPDM,NBR

Pressure-Drop Rate



Packing



- Sealed bags packing keep non-pollution
- Individually separated by inner box and placed in larger carton
- Outside carton package can use pallet packing convenient to safety carry

Quantities per carton are as follows:

·20"(508mm).....	4pcs/ctn	·40"(1016 mm)	4 pcs/ctn
·60"(1524 mm)	4 pcs/ctn		

Order Guide

FCPUC	Length	Material	Filtration Rating	O-ring Material
Fucome PU Series High Flow Pleated Cartridge Filters	20: 20"	PP:PP Pleated	1:1µm	E:EPDM
	40: 40"	PM: PP Melt Blown	4.5:4.5µm	N:NBR
	60: 60"	GF: Pleated Glass Fiber	6:6µm	
			10:10µm	
			20:20µm	
			40:40µm	
			70:70µm	
			100:100µm	

For Example:

--FCPUC-20-PP-1-E

--High Flow Pleated Cartridge Filters - Length:20"-Material:PP Pleated- Filtration Rating: 1µm - O-ring Material:EPDM

Fucome DNA

- Good reputation with reliable service
- Superior filter media with reasonable price
- Advanced technique with leading design
- Strict quality control with timely delivery

Partners



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