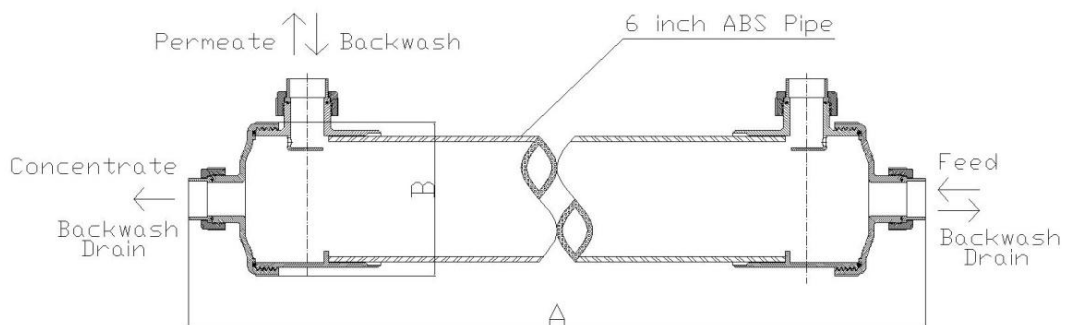


PHILOSEP Master 6 Membrane module Specification

Membrane	Master 6
Performance	
Filtrate Flow	3.6 ~ 9.7 GPM (0.8 ~ 2.2 m ³ /hr)
Filtrate SDI	< 3 (Feed Turbidity <15 NTU)
Removal of Bacteria	> 4 log(guaranteeable)
Removal of Virus	> 4 log(guaranteeable)
Membrane	
Membrane Polymer	Polyethersulfone (PES)
MWCO, nominal	100,000 Daltons
Nominal Membrane Area	161.5 ft ² (15 m ²)
	Inner surface area of hollow fiber membrane
Fiber Dimensions	ID 0.03" (0.7mm), OD 0.05" (1.3mm)
Structure	Asymmetric Fingerlike Structure
Application Data	
Typical Filtrate Flux Range	32 ~ 85 GFD (55 ~ 145 L/m ² ·h)
Maximum Applied Feed Pressure	43.5 psig (3 kg/cm ²)
Recommended Transmembrane Pressure	4.4 ~ 22 psig (0.3 ~ 1.5 kg/cm ²)
Maximum Transmembrane Pressure	< 30 psig (2.0 kg/cm ²)
Maximum Feed Turbidity	100 NTU
Recommended Feed Turbidity	< 15 NTU
Maximum Operating Temperature	104 °F (40 °C)
pH Range	2.0 ~ 12.0
Operating Mode	Inside to outside filtration Cross-flow filtration & partial return



A, inch (mm)	B, inch (mm)	Pipe connections
74 (1652)	8 (205)	1½"

PHILOS Co., Ltd.

B block #1210 Gwangmyeong Technopark, 1345 Soha-dong, Gwangmyeong-si, Gyeonggi-do, Korea 423-795

Tel) +82-2-859-3456, Fax) +82-31-434-3612

www.philosmembrane.com e-mail) mbrwater@gmail.com