

Tubular Membrane Permaflow - 8XS



Membrane Properties	
Membrane surface properties	Non-ionic & Hydrophilic
Membrane type	PVDF
Nominal molecular weight cut-off	100k Dalton [MF] & 75k Dalton [UF]
Maximum feed pressure	552 kPa (80 psig)
Typical operating feed pressure	345-517 kPa (50 to 75 psig)
Maximum membrane backpressure	< 48 kPa (< 7 psig)
Recommended feed flow	87-95 Liters/min (23-25 UGSPM)
Maximum operating temperature	40°C (104 °F)
Operating pH range	3.0-10.0

Module Specifications

Configuration	Eight 21 mm (0.83 in.) ID tubes mounted in series.		
Permeate connection	¾ in. FPT		
Inlet & Outlet connections	¾ in. Hose Barb		
Housing	CPVC		
Nominal product length	3 ft.	6 ft.	12 ft.
Nominal surface area	0.4 m ² (4.7 ft ²)	1.0 m ² (10.4 ft ²)	2.0 m ² (21.2 ft ²)
Typical module shipping weight	6 kg (13.2 lb)	12 kg (26.4 lb)	22 kg (48.5 lb)
Typical wet module weight†	15 kg (33 lb)	29 kg (64 lb)	54 kg (119 lb)
Max hold-up volume	7.9 L (2.1 gal)	15.8 L (4.2 gal)	31.6 L (8.3 gal)

† Wet module weight does not include any accumulation of solids during operation

Cleaning Limits

Maximum NaOCl exposure (lifetime contact time)	2,000,000 mg/L hours***
Maximum cleaning temperature	40°C (104 °F)
Cleaning pH range	2-11 (<30°C), 2-10 (<40°C)
Maximum concentration of NaOCl cleaning**	2,000 mg/L (<30°C), 1,000 mg/L (<40°C)

** Concentration > 1,000 mg/L not recommended for more than 60 minutes of cumulative contact per month

*** As Cl₂

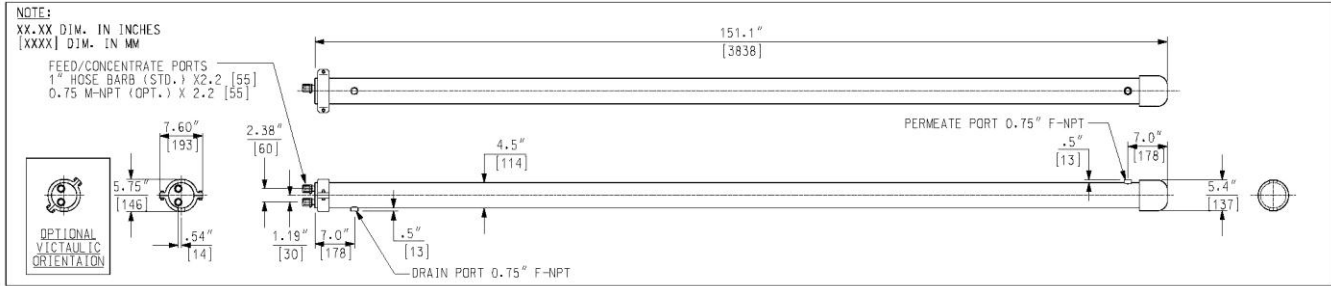
Contact GE prior to use in conditions of high pH or high NaOCl at high temperature



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Dimensions



Typical Applications

General oily wastewater concentration	Whitewater solids separation
Metal hydroxide separation & concentration	Water soluble coolants/cutting oils separation & concentration
MBR treatment	Die release emulsion separation & concentration
Latex emulsion separation & concentration	Flexographic ink wastewater treatment
Drawing oil emulsion separation & concentration	Industrial laundry wastewater treatment
Zinc/Iron phosphate separation & concentration	Sizing chemical and starch emulsions wastewater treatment

General Application Information

Typical maximum operation TSS concentration	30,000 mg/L
Typical maximum oil & grease concentration	400,000 mg/L
Typical maximum MLVSS concentration	30,000 mg/L
Typical permeate TSS concentration	< 1 mg/L
Typical permeate oil & grease concentration	< 100 mg/L TFOG < 5 mg/L TPH
Typical permeate MLVSS concentration	< 1 mg/L

