

Tubular Membrane PermaFlow-8

Specification		
Configuration		Eight 21mm (0.83 in) ID tubes in series
Nominal membrane surface area:	3 ft length	0.4 m ² (4.6 ft ²)
	6 ft length	1.0 m ² (10.2 ft ²)
	12 ft length	2.0 m ² (21.0 ft ²)
Membrane surface properties		Non-ionic & hydrophilic
Nominal membrane pore diameter		0.1 & 0.08 micron
Nominal molecular weight cut-off		100k & 75k Dalton
Maximum dry shipping weight		12 ft: 22 kg (49 lb)
Maximum weight of wet module		12 ft: 54 kg (118 lb)
Maximum hold-up volume		12 ft: 31.6 L (8.3 gal)



Cleaning Limits

Maximum OCI exposure (lifetime contact time)	2,000,000 ppm hours
Maximum cleaning temperature	40°C (104°F)
Cleaning pH range	2-11 (<30°C); 2-9 (>30°C)
Maximum concentration for OCI- cleaning**	2,000 ppm (<30°C); 500 ppm (>30°C)

** Concentrations >1,000 ppm not recommended for more than 60 minutes of cumulative contact time per month

Operating Limits

Maximum permeation transmembrane pressure	552 KPa (80 psig)
Typical operating transmembrane pressure	345-552 KPa (50-80 psig)
Maximum operating temperature	50°C (122°F)
Operating pH range	5-9.5
Maximum back pressure transmembrane pressure	<6 KPa (<1 psig)
Typical cross flow velocity range	0.068-0.84 m ³ /min (18-22 USGPM)

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



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