

Technical Information

SPECIFICATIONS	
Membrane Material	Al ₂ O ₃ Ceramic
Membrane Structure	Hollow Fiber
Nominal Pore Sizes Offered	3, 30, 80, 130 nm
Filtration Area	0.17 m ² (1.8 ft ²)
Clean Water Flux @ 1 bar TMP	80 – 2000 LMH*
Filtration	Crossflow
Flow Type	Inside-out
Potting Material	Epoxy
Housing Material	PVC

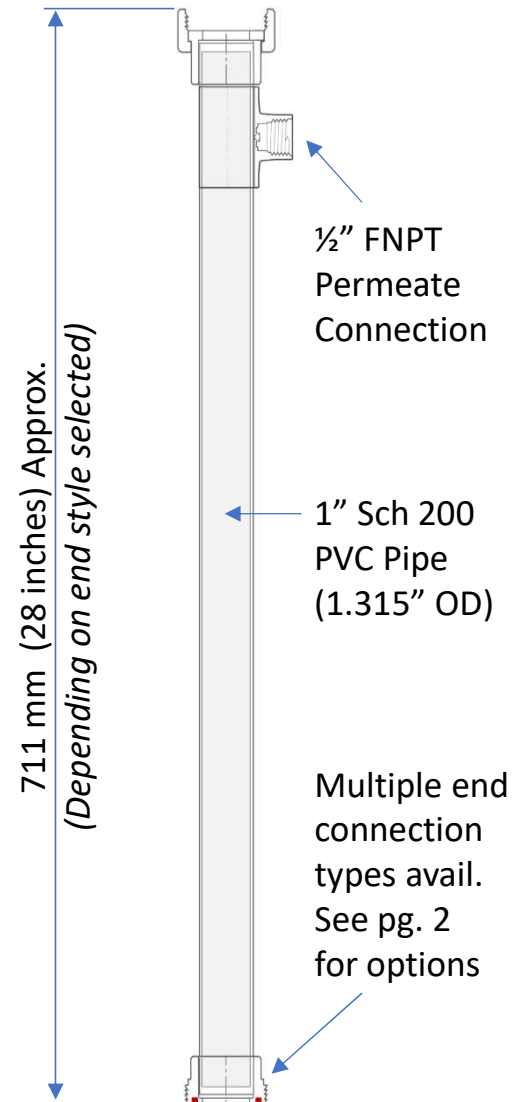
*Depending on pore size selected

RECOMMENDED OPERATING PARAMETERS	
Feed flow	10-30 LPM (2.5-8 GPM)
Operating TMP	3.0 bar Max (43 psi)
Operating Temperature	5 to 40 °C (40 to 105°F)
Inlet Pressure	4.8 bar Max (70 psi)
Permeate Back Pressure	0.3 bar Max (5 psi)
pH Range (continuous)	2-10 at 40 °C

Operational Notes:

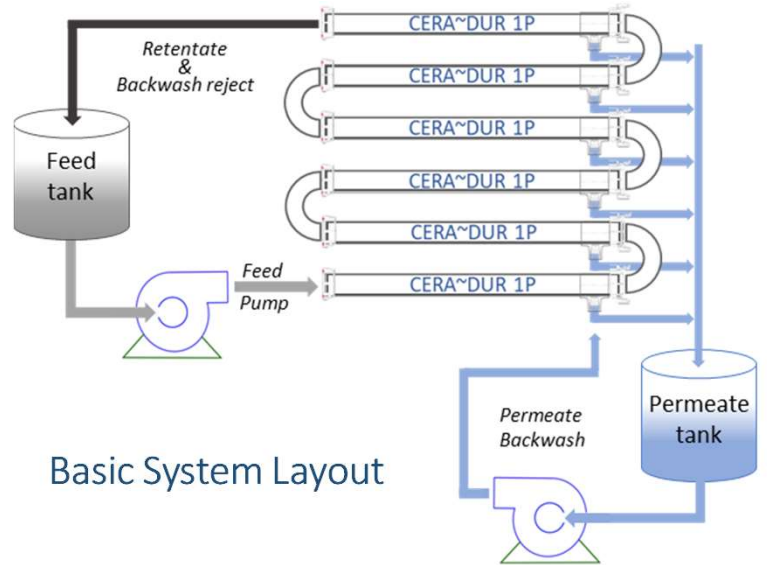
- No back pulse/ water hammering
- No temperature shock
- Don't drop the membranes, handle with care

Basic Layout



Note: All dimensions are in mm, unless otherwise specified.

BACKWASH SPECIFICATIONS		
Permeate Backwash		
Backwash Flow	20-40 LPM	(5-10 GPM)
Backwash Pressure	2.0-3.5 bar	(30-50 psi)
Frequency	Approx. every 30 minutes	
Duration	20-30 seconds	
Chemically Enhanced Backwash (CEW)		
Frequency	Every 2-4 weeks	
Duration	1-2 hours	
Chemicals (typical)	NaOCl, NaOH, Citric Acid	



Model Options

Pore Size (nm)	End Style #		Permeate Style #
3	0 None	3 Threaded [MPT]	1 Threaded [1/2" FPT]
30	1 Union [female]	4 Threaded [FPT]	2 Slip [1/2" pipe]
80	2 Union [male]	5 Slip Couple	
130			

Model Designation
Example

CERA~DUR 1 - 30 P

MODEL Designation
Membrane Pore Size End Style Perm. Style End Style

2 1 1

