



GENERAL DIMENSIONS			
Shell Length Code	L mm	S Span mm	Empty Weight kg
-1	1601	1@635	25
-1.5	2109	1@1067	28
-2	2617	1@1422	31
-3	3633	1@2032	38
-4	4649	2@1626	46
-5	5665	2@1981	53
-6	6681	2@2337	60
-7	7699	2@2692	68
-7.5	8207	2@2896	71
-8	8715	2@3048	74

BILL OF MATERIALS				
ITEM	QTY	P/N	DESCRIPTION	MATERIAL
1	1	4080003	Shell	Filament Wound, Epoxy FRP
2	2	4080029	Bearing Plate	6061-T6 Aluminum, Hard Anodized
3	2	4080752	Sealing Plate	Noryl
4	2	4080011-1	Feed/Concentrate Port	Stainless Steel, 316L
5	4	6121187	Retaining Ring, F/C Port	Stainless Steel, 316L
6	2	6110225	Seal, F/C Port	Ethylene Propylene
*7	2	4081166	Permeate Port	Noryl
8	2	6100442	Head Seal	Ethylene Propylene
9	2	6110229	Permeate Port Seal	Ethylene Propylene
10	2	4080320	Retaining Ring w/ Finger Pull	Stainless Steel, 316L
11	2	6121200	Retaining Ring, Permeate Port	Stainless Steel, 316L
**12	2	4080174	Support Saddle	Thermoplastic Rubber
13	2	4080800	Strap Assembly [M8]	Stainless Steel, 316L
14	4	6150072	Strap Screw [M8x70mm]	Stainless Steel, A4
15	2	5080049	Membrane adapter	Noryl
16	1	4080165	Thrust Cone	PVC Thermoplastic
17	2	6180326	Adapter Seal	Ethylene Propylene
18	4	6180119	PWT Seal	Ethylene Propylene
19	2	4080062	Shim, Adapter [5mm]	Noryl
20	2	4080704	Shim, Adapter [2mm]	Noryl
21	2	6180031	Permeate Port Secondary Seal	Ethylene Propylene

* Different Permeate Port connections available upon request
 ** 3 saddles are supplied when vessels are -4 elements or longer

NOTES:
 DIMENSIONS IN MM
 FOR REFERENCE ONLY, NOT FOR CONSTRUCTION UNLESS CERTIFIED
 FOR VESSEL INSTALLATION AND MAINTENANCE PLEASE REFER TO PROTEC ARISAWA USER'S MANUAL
 CENTER VESSEL ON SUPPORTS AT SPAN(S) "S". 3 POINT SUPPORT QUOTED SEPARATELY FOR SHELL LENGTHS -4 AND LONGER.
 INTERNAL PERMEATE PRESSURE MUST NOT EXCEED 125 PSI.
 ASME SECTION X, RP CODE STAMP OPTIONAL
 PRO-8-450-EP MODEL AVAILABLE FEED/CONCENTRATE PORT SIZES: 1.5"
 DESIGN PRESSURE = 450 PSI
 DESIGN TEMPERATURE = Min. -7°C (20 °F) - Max. 49°C (120°F)
 FOR OTHER TEMPERATURES OUT OF THIS RANGE CONTACT PROTEC ARISAWA
 HYDROTEST PRESSURE: N° x1.43 CE MARKING or N° x1.1 ASME



PRO-8-450-EP

ENGR BOA 29/04/2021	ECO	REVISED 09/09/2021	DRAWING 101009	REV AC
QLTY PM 29/04/2021	21053			
MRKT OB 29/04/2021				