



GENERAL DIMENSIONS					
Shell Length Code	L SHELL mm	L 3/4" NPT Feed mm	L Perm. to Perm. mm	S Span mm	Empty Weight kg
21" membranes					
-1x21"	856	907	913	1 @ 320	8
40" membranes					
-1	1346	1390	1396	1 @ 711	13
-2	2362	2406	2412	1 @ 1295	20
-3	3378	3422	3428	1 @ 1854	26
-4	4394	4438	4444	2 @ 1626	33
-5	5410	5454	5460	2 @ 1981	40
-6	6426	6470	6476	2 @ 2337	47

BILL OF MATERIALS				
ITEM	QTY	P/N	DESCRIPTION	MATERIAL
1	1	4040101	Shell	Filament Wound, Epoxy FRP
2	2	4040011	Bearing Plate	6061-T6 Aluminum, SB-221, Anodized
3	2	4040012-1	Sealing Plate	PVC Thermoplastic
4	2	4040155	Feed/Concentrate Port 3/4" NPTm	Super Duplex
5	2	6121100	Retaining Ring, F/C Port	Stainless Steel, 316 Series
6	2	61802503	Seal, F/C Port, O-Ring	Ethylene Propylene
7	2	4040019-3	Clocking Tab	Thermoplastic
*8	2	4040156-5	Permeate Port 1/2" NPTm	POM Thermoplastic
9	2	6180342	Head Seal, O-Ring	Ethylene Propylene
10	2	6182503	Permeate Port Seal, O-Ring	Ethylene Propylene
11	2	4040079	Retaining Ring w/ Finger Pull	Stainless Steel, 316 Series
12	2	6121100	Retaining Ring, Permeate Port	Stainless Steel, 316 Series
**13	2	4040037	Support Saddle	Thermoplastic Rubber
14	2	4040040	Strap Assembly	Stainless Steel, 316L
15	4	6150013	Strap Screw M8x100	Stainless Steel, A4
16	2	5040001	Adapter	PET Thermoplastic
17	4	6180116	PWT Seal, O-Ring	Ethylene Propylene
18	2	6180114	Adapter Seal, O-Ring	Ethylene Propylene
19	5	6150005	Shimming ring, thickness 1,5mm	Nylon

* 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.
 PRO-4-1000-EP MODEL AVAILABLE FEED/CONCENTRATE PORT SIZES: 3/4" NPT / 3/4" BSP
 DESIGN PRESSURE = 1000 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



PRO-4-1000-EP

ENGR BOA 29/4/2021	ECO	REVISED 25/4/2022	DRAWING 104006	REV Y
QLTY PM 29/4/2021	21053			
MRKT OB 29/4/2021				