



GENERAL DIMENSIONS			
Shell Length Code	L mm	S Span mm	Empty Weight kg
-1	1651	1 @ 635	39
-1.5	2159	1 @ 1067	46
-2	2667	1 @ 1422	53
-3	3683	1 @ 2032	65
-4	4699	2 @ 1626	79
-5	5715	2 @ 1981	92
-6	6731	2 @ 2337	105
-7	7749	2 @ 2692	118
-7.5	8255	2 @ 2896	125
-8	8765	2 @ 3048	131

BILL OF MATERIALS				
ITEM	QTY	P/N	DESCRIPTION	MATERIAL
1	1	4080531	Shell	Filament Wound, Epoxy FRP
2	2	4080533	Bearing Plate	6061-T6 Aluminum, Hard Anodized
3	2	4080752	Sealing Plate	Noryl
4	2	4080073-1	Feed/Concentrate Port	Stainless Steel, Super Duplex
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	6180229	Permeate Port Seal	Ethylene Propylene
10	6	4080474	Locking Segments	Stainless Steel, 316L
11	2	6121200	Retaining Ring, Permeate Port	Stainless Steel, 316L
**12	2	4080175	Support Saddle	Thermoplastic Rubber
13	2	4080800	Strap Assembly [M8]	Stainless Steel, 316L
14	6	6150072	Strap Screw [M8x70mm]	Stainless Steel, A4
15	2	5080074	Adapter	Noryl
16	1	4080165	Thrust Cone	PVC Thermoplastic
17	2	6180326	Adapter Seal	Ethylene Propylene
18	4	6180119	PWT Seal	Ethylene Propylene
19	6	6150020	Head Screw [M10x20mm]	Stainless Steel, A4
20	2	4080062	Shim, Adapter [5mm]	Noryl
21	2	4080704	Shim, Adapter [2mm]	Noryl
22	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

BPV-8-1000-EP MODEL AVAILABLE FEED/CONCENTRATE PORT SIZE: 1-1/2"

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 or N° x1.1 ASME



**BPV-8-1000-EP**

ENGR BOA 29/04/2021				
QLTY PM 29/04/2021				
MRKT OB 29/04/2021	ECO 21053	REVISED 08/09/2021	DRAWING 101039	REV N