



GENERAL DIMENSIONS

Shell Length Code	L inch mm	P1	P2	P3	S Span in (mm)	Empty Weight lb (kg)
		STANDARD inch mm	Optional inch mm	Optional inch mm		
-1	61.6 [1565]	47 [1194]	45 [1143]	46 [1168]	1 @ 28 [711]	133 [60]
-2	101.6 [2581]	87 [2210]	85 [2159]	86 [2184]	1 @ 56 [1422]	167 [76]
-3	141.6 [3597]	127 [3226]	125 [3175]	126 [3200]	1 @ 80 [2032]	200 [91]
-4	181.6 [4613]	167 [4242]	165 [4191]	166 [4216]	2 @ 64 [1626]	233 [106]
-5	221.6 [5629]	207 [5258]	205 [5207]	206 [5232]	2 @ 78 [1981]	267 [121]
-6	261.6 [6645]	247 [6274]	245 [6223]	246 [6248]	2 @ 92 [2337]	300 [136]
-7	301.6 [7661]	287 [7290]	285 [7239]	286 [7264]	2 @ 106 [2692]	333 [151]
-8	341.6 [8679]	327 [8306]	325 [8255]	326 [8280]	2 @ 120 [3048]	367 [166]

BILL OF MATERIALS				
ITEM	QTY	P/N	DESCRIPTION	MATERIAL
1	1	4080450	Shell	Filament Wound, Epoxy FRP
2	2	4080725	Bearing Plate	6061-T6 Aluminum, Hard Anodized, SB-221
3	2	4080177-3	Sealing Plate	Noryl GFN2
4	2	4080234	Feed/Concentrate Port (1 1/2"), "D"	St.Steel Super Duplex, SA-790
		4080422-1	Feed/Concentrate Port (2"), "E"	
5	4	6121187	Retaining Ring, F/C Port(1 1/2"), "D"	St.Steel 316, SA-479
		6121264	Retaining Ring, F/C Port(2"), "E"	
6	2	6184604-N	O-ring F/C Port (1 1/2"), "D"	Ethylene Propylene
		6180322-N	O-ring F/C Port (2"), "E"	
7	2	4080308	Permeate Port	Noryl GFN2
8	2	6100442MK	Head Seal	Ethylene Propylene
9	2	6110229-N	Permeate Port Seal	Ethylene Propylene
10	2	4080474-1	Locking segment	Stainless Steel, 316, SA-351
11	2	6121200	Retaining Ring, Permeate Port	Stainless Steel, 316, SA-479
12	2*	4080175	Support Saddle	Thermoplastic Rubber
13	2*	4080137	Strap Assembly	Stainless Steel, 316
14	4	6150073	Strap Screw	Stainless Steel, 18-8
15	2	A/R	Membrane Adapter	Noryl GFN2
16	1	4080165-3	Thrust Cone	PVC Thermoplastic
17	2	6180326-N**	Adapter Seal	Ethylene Propylene
18	4	A/R	PWT Seal	Ethylene Propylene
19	6	6150048	Head Screw	Stainless steel, 18-8
20	3	4080062-4**	Shim, Adapter	Noryl GFN2

*3 each with shell length -4 and longer
 **6110221-N, Qty 4, and 4080071-2 when Permeate Port is not Noryl

NOTES:

DIMENSIONS IN INCHES (MM APPROX.)

FOR REFERENCE ONLY, NOT TO BE USED FOR CONSTRUCTION UNLESS CERTIFIED

CENTER VESSEL ON 2 OR 3 SUPPORTS AT SPAN(S) "S". 3 SUPPORTS REQUIRED FOR LENGTHS -4 AND OVER.

INCORRECT MANIFOLDING WILL CAUSE SEVERE LOCAL STRESS AROUND PORT AND MAY RESULT IN LEAKS AND PREMATURE FAILURE. TAKE EVERY PRECAUTION LISTED IN THE ENGINEERING PACKET OR USERS MANUAL

INTERNAL PERMEATE PRESSURE MUST NOT EXCEED 125 PSI.

AS PER ASME AND CRN REQUIRED
 ASME SECTION X 2021, RP/NB STAMP REQUIRED FOR CRN

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE



BPV-8-1200-SP

ENGR	MK
6/24/2021	
QLTY	TS
6/24/2021	
MRKT	TS
6/24/2021	

ECO	REVISED	DRAWING	REV
20098	6/24/2021	101042	D