



NOTE: STANDARD PARTS ARE SHOWN FOR REFERENCE ONLY
CHECK ORIGINAL ORDER FOR ORDERING SPARE PARTS

NOTES:
DIMENSIONS IN INCHES (MM APPROX.)
FOR REFERENCE ONLY, NOT FOR CONSTRUCTION UNLESS CERTIFIED.
SHIMMING OF THE SADDLES MAY BE REQUIRED.
CENTER VESSEL ON 2 OR 3 SUPPORTS AT SPAN(S) "S".
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-8-1000-SP

BILL OF MATERIALS				
ITEM	QTY	P/N	DESCRIPTION	MATERIAL
1	1	4080490	Shell	Filament Wound, Epoxy FRP
2	2	4080481	Bearing Plate	6061-T6 Aluminum, Anodized, SB-221
3	2	4080177-3	Sealing Plate	Noryl GFN2
4	2	4080234	Feed/Concentrate Port, 1-1/2", "D"	SST Super Duplex, SA-790
		4080422-1	Feed/Concentrate Port, 2", "E"	
		4080334	Feed/Concentrate Port, 2-1/2", "F"	
5	4	6121187	Retaining Ring, F/C Port, 1-1/2", "D"	Stainless Steel, 316, SA-479
		6121264	Retaining Ring, F/C Port, 2", "E"	
		6121275	Retaining Ring, F/C Port, 2-1/2", "F"	
6	2	6184604-N	O-ring Seal, F/C Port, 1-1/2", "D"	Ethylene Propylene
		6180322-N	O-ring Seal, F/C Port, 2", "E"	
		6180355-N	O-ring Seal, F/C Port, 2-1/2", "F"	
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, CF8M, 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	6150001	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, A4
20	3	4080062-4	Shim, Adapter	Noryl GFN2

GENERAL DIMENSIONS

Shell Length Code	L inch (mm)	P1 Standard inch (mm)	P2 Optional inch (mm)	P3 Optional inch (mm)	S Span inch (mm)	Empty Weight lb (kg)
-1	61.6 [1565]	47 [1194]	45 [1143]	46 [1168]	1 @ 25 [635]	114 [52]
-2	101.6 [2581]	87 [2210]	85 [2159]	86 [2184]	1 @ 56 [1422]	142 [65]
-3	141.6 [3597]	127 [3226]	125 [3175]	126 [3200]	1 @ 80 [2032]	170 [77]
-4	181.6 [4613]	167 [4242]	165 [4191]	166 [4216]	2 @ 64 [1626]	198 [90]
-5	221.6 [5629]	207 [5258]	205 [5207]	206 [5232]	2 @ 78 [1981]	226 [103]
-6	261.6 [6645]	247 [6274]	245 [6223]	246 [6248]	2 @ 92 [2337]	254 [115]
-7	301.7 [7663]	287 [7290]	285 [7239]	286 [7264]	2 @ 106 [2692]	283 [128]
-8	341.7 [8679]	327 [8306]	325 [8255]	326 [8280]	2 @ 120 [3048]	311 [141]

*3 each with shell length -4 and longer
**6180221-N when Permeate Port is not Noryl

ENGR	LSV	01/28/21
QLTY	LS	01/28/21
MRKT	BOA	01/28/21

ECO	REVISED	DRAWING	REV
20092	07/23/21	101043	F