



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

GENERAL DIMENSIONS

Shell Length Code	L inch (mm)	P3 Standard inch (mm)	S Standard in [mm]	Empty Weight lb [kg]
-1	61.5 [1562]	46 [1168.4]	1 @ 28 [711]	198 [90]
-2	101.5 [2578]	86 [2184.4]	1 @ 56 [1422]	227 [103]
-3	141.5 [3594]	126 [3200.4]	1 @ 80 [2032]	255 [116]
-4	181.5 [4610]	166 [4216.4]	2 @ 64 [1626]	283 [129]
-5	221.5 [5626]	206 [5232.4]	2 @ 78 [1981]	312 [141]
-6	261.5 [6642]	246 [6248.4]	2 @ 92 [2337]	340 [154]
-7	301.5 [7658]	286 [7264.4]	2 @ 106 [2692]	368 [167]
-8	341.5 [8674]	326 [8280.4]	2 @ 120 [3048]	396 [180]

BILL OF MATERIALS

ITEM	QTY	P/N	DESCRIPTION	MATERIAL
1	1	4081170	Shell	Filament Wound, Epoxy FRP
2	2	4080481	Bearing Plate	6061-T6 Aluminum, SB-221, Anodized
3	2	4080177-3	Sealing Plate	Noryl GFN2
4	2	4081174-2	Feed/Concentrate Port, 4", "L"	SST Super Duplex, SA-790
5	6	6201450	Retaining Ring, F/C Port, 4", "L"	Stainless Steel, 316, SA-479
6	2	6180348-N	O-Ring Seal, F/C Port, 4", "L"	Ethylene Propylene
7	2	4080308	Permeate Port	Noryl GFN2
8	2	6100442MK	Head Seal	Ethylene Propylene
9	2	6110229-N	Permeate Port Seal	Ethylene Propylene
10	6	4080474-1	Locking Segments	Stainless Steel, 316, SA-351,CF8M
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	Adapter	Thermoplastic
16	1	4080165-3	Thrust Cone	PVC Thermoplastic
17	2	6180326-N	Adapter Seal	Ethylene Propylene
18	A/R	A/R	PWT Seal	Ethylene Propylene
19	3	4080062-4	Shim, Adapter	Noryl GFN2
20	6	6150048	Head Screw	Stainless Steel, 18-8

\*3 each with shell length -4 and longer

NOTES:

- DIMENSIONS IN INCHES (MM APPROX)
- FOR REFERENCE ONLY, NOT TO BE USED 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.
- INTERNAL PERMEATE PRESSURE MUST NOT EXCEED 125 PSI.
- AS PER ASME AND CRN REQUIRED  
ASME SECTION X 2019, RP/NB STAMP REQUIRED FOR CRN
- SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE



BPV-8-1000-MMSP

ENGR MK 7/8/21	ECO 20096	REVISED 7/8/2021	DRAWING 101041	REV C
QLTY TS 7/8/21				
MRKT NL 7/8/21				