



GENERAL DIMENSIONS				
Shell Length Code	L inch (mm)	P3 Standard inch (mm)	S Standard in [mm]	Empty Weight lb [kg]
-1	61.5 [1565]	46 [1168.4]	1 @ 28 [711]	187 [85]
-1.5	81.5 [2073]	66 [1676.4]	1 @ 42 [1067]	207 [94]
-2	101.5 [2581]	86 [2184.4]	1 @ 56 [1422]	220 [100]
-3	141.5 [3597]	126 [3200.4]	1 @ 80 [2032]	262 [119]
-4	181.5 [4613]	166 [4216.4]	2 @ 64 [1626]	298 [135]
-5	221.5 [5629]	206 [5232.4]	2 @ 78 [1981]	333 [151]
-6	261.5 [6645]	246 [6248.4]	2 @ 92 [2337]	373 [169]
-7	301.5 [7663]	286 [7264.4]	2 @ 106 [2692]	410 [186]
-7.5	321.5 [8171]	306 [7772.4]	2 @ 114 [2896]	428 [194]
-8	341.5 [8679]	326 [8280.4]	2 @ 120 [3048]	445 [202]

BILL OF MATERIALS				
ITEM	QTY	P/N	DESCRIPTION	MATERIAL
1	1	4080536	Shell	Filament Wound, Epoxy FRP
2	2	4080481	Bearing Plate	6061-T6 Aluminum, Anodized
3	2	4080177-3	Sealing Plate	Noryl GFN2
4	2	4080214	Feed/Concentrate Port, 3", "K"	SST Super Duplex
5	2	6121373	Retaining Ring, F/C Port, 3", "K"	Stainless Steel, 316, SA-479
6	2	6180340-N	O-Ring Seal, F/C Port, 3", "K"	Ethylene Propylene
7	2	6121343	Retaining Ring, F/C Port, 3", "K"	Stainless Steel, 316, SA-479
8	2	4080308	Permeate Port	Noryl GFN2
9	2	6100442MK	Head Seal	Ethylene Propylene
10	2	6110229-N	Permeate Port Seal	Ethylene Propylene
11	6	4080474-1	Locking Segments	Stainless Steel, 316
12	2	6121200	Retaining Ring, Permeate Port	Stainless Steel, 316, SA-479
13	2*	4080175	Support Saddle	Thermoplastic Rubber
14	2	4080137	Strap Assembly	Stainless Steel, 316
15	4	6150001	Strap Screw	Stainless Steel, 18-8
16	2	A/R	Adapter	Thermoplastic
17	1	4080165-3	Thrust Cone	PVC Thermoplastic
18	2	6180326-N	Adapter Seal	Ethylene Propylene
19	A/R	A/R	PWT Seal	Ethylene Propylene
20	3	4080062-4	Shim, Adapter	Noryl GFN2
21	6	6150048	Head Screw	Stainless Steel, 18-8

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".  
 REQUIRED 3 SADDLES FOR THE SHELL LENGTH -4 AND LONGER  
 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 2019, RP/NB STAMP REQUIRED FOR CRN  
 SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE



**BPV 8-1200-MSP**

ENGR TS 21/28/01	ECO 20060	REVISED 21/28/01	DRAWING 101039	REV F
QTY MK 21/28/01				
MRKT BOA 21/28/01				