



GENERAL DIMENSIONS

Shell Length Code	L inch (mm)	P1 Standard inch (mm)	P2 Optional inch (mm)	P3 Optional inch (mm)	S Span in (mm)	Empty Weight lb (kg)
-1	58.4 [1483.36]	47 [1193.80]	45 [1143.00]	46 [1168.40]	1 @ 28 [711.20]	63 [29]
-1.5	78.4 [1991.36]	67 [1701.80]	65 [1651.00]	66 [1676.40]	1 @ 42 [1066.80]	73 [33]
-2	98.4 [2499.36]	87 [2209.80]	85 [2159.00]	86 [2184.40]	1 @ 56 [1422.40]	83 [38]
-3	138.4 [3515.36]	127 [3225.80]	125 [3175.00]	126 [3200.40]	1 @ 80 [2032.00]	103 [47]
-4	178.4 [4531.36]	167 [4241.80]	165 [4191.00]	166 [4216.40]	2 @ 64 [1625.60]	123 [56]
-5	218.4 [5547.36]	207 [5257.80]	205 [5207.00]	206 [5232.40]	2 @ 78 [1981.20]	143 [65]
-6	258.4 [6563.36]	247 [6273.80]	245 [6223.00]	246 [6248.40]	2 @ 92 [2336.80]	163 [74]
-7	298.4 [7579.36]	287 [7289.80]	285 [7239.00]	286 [7264.40]	2 @ 106 [2692.40]	183 [83]
-7.5	318.4 [8087.36]	307 [7797.80]	305 [7747.00]	306 [7772.40]	2 @ 114 [2895.60]	193 [88]
-8	338.4 [8595.36]	327 [8305.80]	325 [8255.00]	326 [8280.40]	2 @ 120 [3048.00]	203 [92]

BILL OF MATERIALS

ITEM	QTY	P/N	DESCRIPTION	MATERIAL
1	1	4080019	Shell	Filament Wound, Epoxy FRP
2	2	4080028	Bearing Plate	6061-T6 Aluminum, SB-221, Anodized
3	2	4080177-3	Sealing Plate	Noryl GFN2
4	2	4080250	Feed/Concentrate Port, 1-1/2", "D"	Stainless Steel, 316, SA-312
		4080253-1	Feed/Concentrate Port, 2", "E"	
		4080516-1	Feed/Concentrate Port, 2-1/2", "F"	
5	4	6121187	Retaining Ring, F/C Port, 1-1/2", "D"	Stainless Steel, 316, SA-479
		6121231	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
		6185704-N	O-Ring Seal, F/C Port, 2", "E"	
		6180233-N	O-Ring Seal, F/C Port, 2-1/2", "F"	
7	2	4080309	Permeate Port	Noryl GFN2
8	2	6100442MK	Head Seal	Ethylene Propylene
9	2	6110229-N	Permeate Port Seal	Ethylene Propylene
10	2	4080320	Retaining Ring w/ Finger Pull	Stainless Steel, 316, SA-479
11	2	6121200	Retaining Ring, Permeate Port	Stainless Steel, 316, SA-479
12	2*	4080173	Support Saddle	Thermoplastic Rubber
13	2	4080137	Strap Assembly	Stainless Steel, 316L
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

*3 each with shell lengths -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 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



PRO 8-300-SP

ENGR TS 21/28/01	ECO 20025	REVISED 21/28/01	DRAWING 101002	REV Y
QTY MK 21/28/01				
MRKT AP 21/28/01				