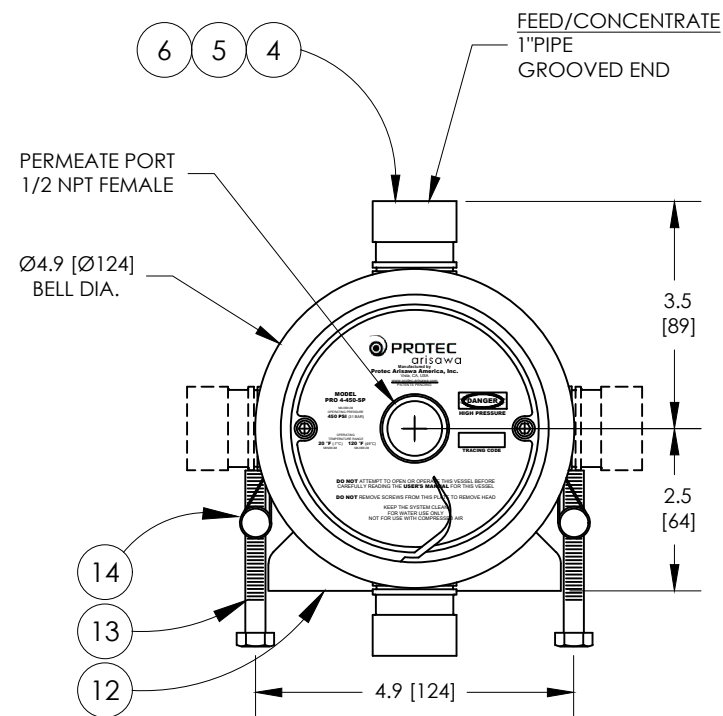
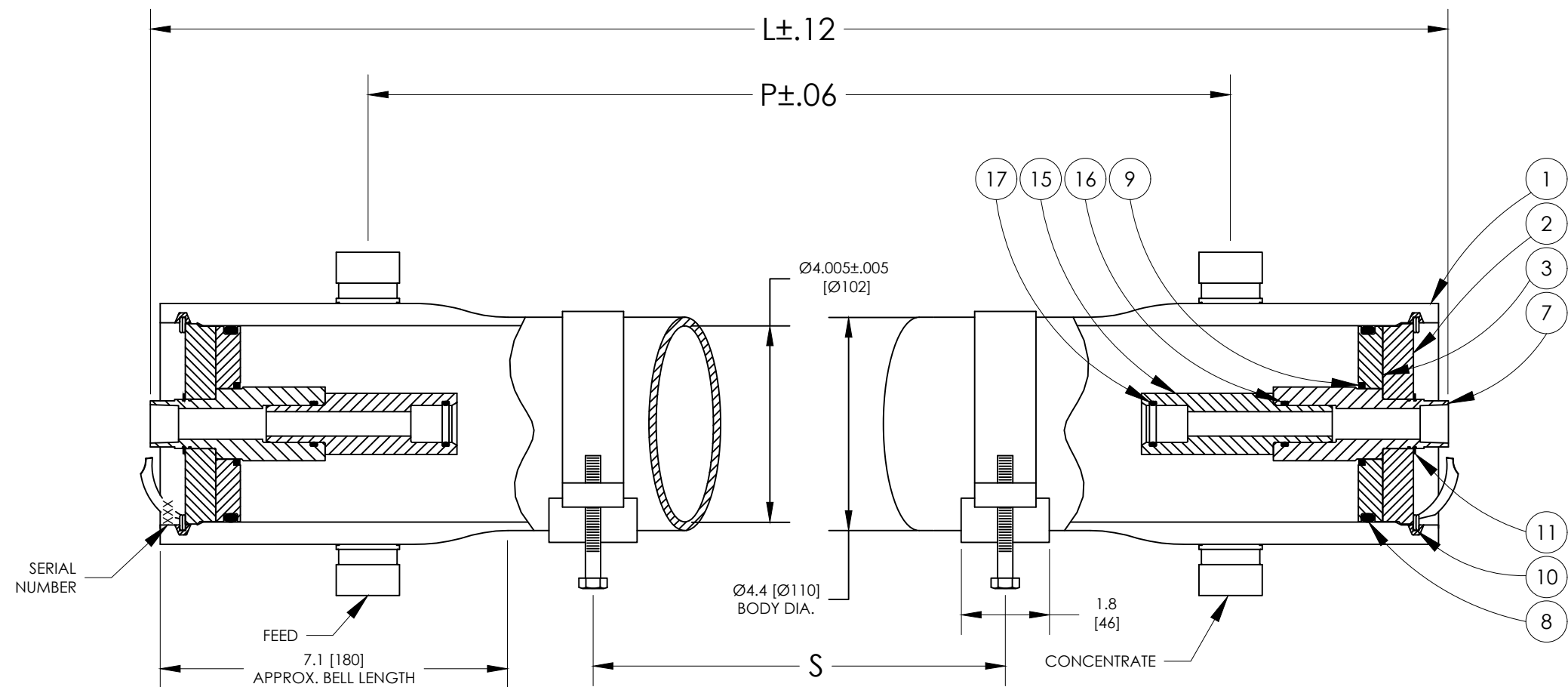




GENERAL DIMENSIONS				
Shell Length Code	L inch (mm)	P Standard inch (mm)	S Span in (mm)	Empty Weight lb (kg)
-1	50.9 (1293)	42 (1067)	28 (711)	14 (6)
-2	90.9 (2309)	82 (2083)	56 (1422)	19 (9)
-3	130.9 (3325)	122 (3099)	80 (2032)	25 (11)
-4	170.9 (4341)	162 (4115)	2 @ 64 (2 @ 1626)	30 (14)
-5	210.9 (5357)	202 (5131)	2 @ 78 (2 @ 1981)	35 (16)
-6	250.9 (6373)	242 (6147)	2 @ 92 (2 @ 2337)	51 (23)

BILL OF MATERIALS				
ITEM	QTY	P/N	DESCRIPTION	MATERIAL
1	1	4040178	Shell	Filament Wound, Epoxy FRP
2	2	4040027	Bearing Plate	6061-T6 Aluminum, SB-221
3	2	4040030-1	Sealing Plate	PVC Thermoplastic
4	A/R	4040031-1	Feed/Concentrate Port	Stainless Steel, 316L, SA-312
5	A/R	6120125	Retaining Ring, F/C Port	Stainless Steel, 300 Series, SA-479
6	A/R	6180218-N	Seal, F/C Port, O-ring	Ethylene Propylene
7	2	4040052-1	Permeate Port	PVC Thermoplastic
8	2	6180342-N	Head Seal, O-Ring	Ethylene Propylene
9	2	6110221-N	Permeate Port Seal, Square Seal	Ethylene Propylene
10	2	4040079	Retaining Ring w/ Finger Pull	Stainless Steel, 316 Series, SA-479
11	2	6121100	Retaining Ring, Permeate Port	Stainless Steel, 316 Series, SA-479
12	2*	4040037	Support Saddle	Polyurethane
13	2	4040040	Strap Assembly	Stainless Steel, 300 Series
14	4	6150001	Strap Screw	Stainless Steel, 300 Series
15	2	A/R	Adapter	PVC Thermoplastic
16	2	6180116-N	Adapter Seal, O-Ring	Ethylene Propylene
17	2	A/R	PWT Seal, O-Ring	Ethylene Propylene

*3 each with shell length -4 and longer

NOTES:
FILAMENT-WOUND CLASS 1 VESSEL
DESIGN PRESSURE : 450 PSI
HYDROTEST PRESSURE : 495PSI
MAX. DESIGN TEMPERATURE : 120 °F
MIN. DESIGN TEMPERATURE : 20 °F
IMPACT TESTING : EXEMPT
CORROSION ALLOWANCE : NONE
FLUID SERVICE : BRACKISH WATER
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.
ASME SECTION X 2023, RP/NB STAMP REQUIRED FOR CRN
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE



PRO 4-450-SP

ENGR KI 04/01/24				
QLTY TS 04/01/24				
MRKT CC 04/01/24	ECO N/A	REVISED N/A	DRAWING 104013	REV B