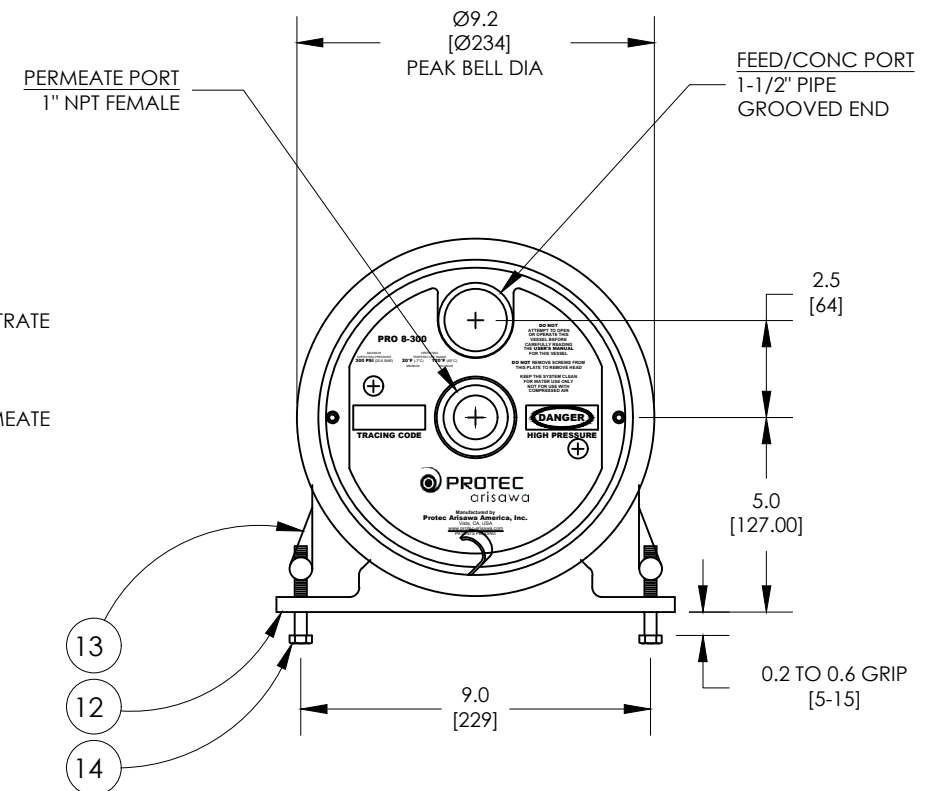
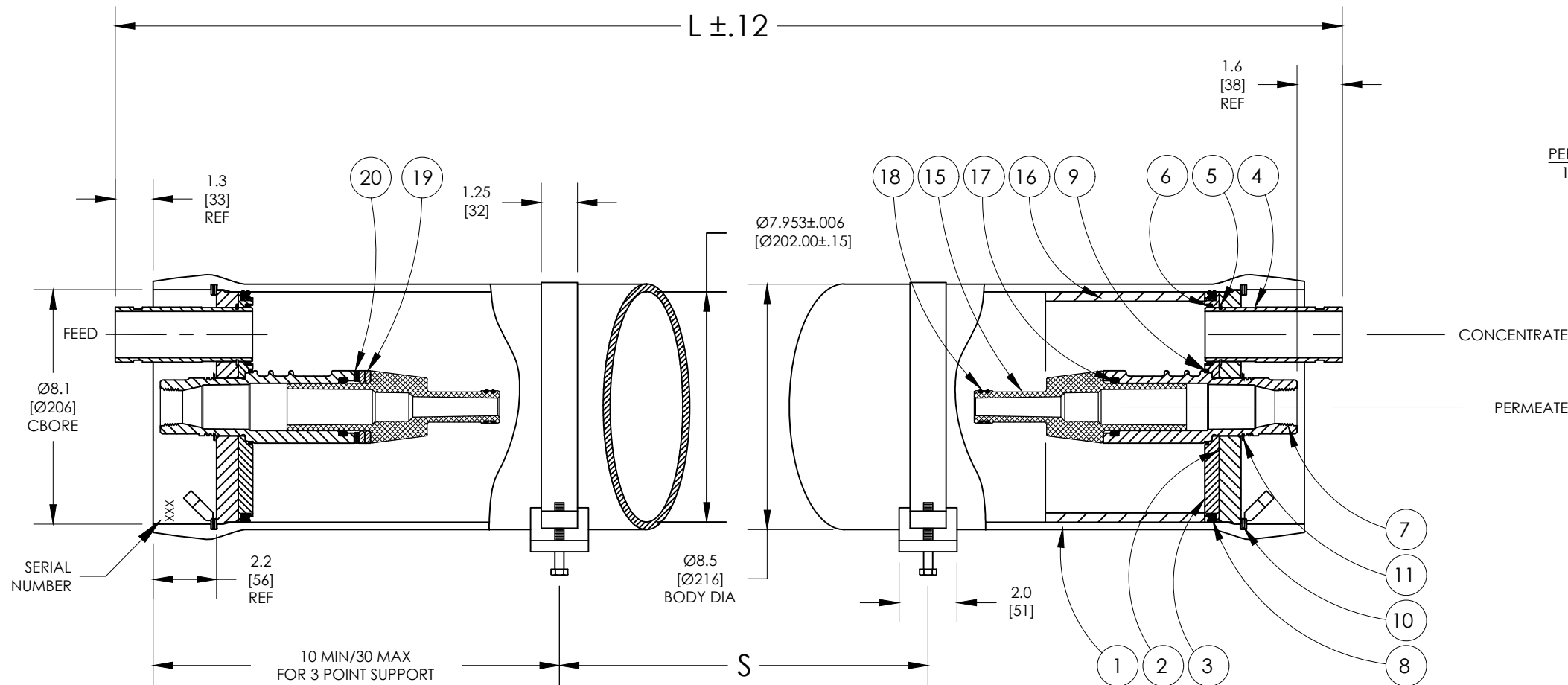




NOTE: STANDARD PARTS ARE SHOWN FOR REFERENCE ONLY
CHECK ORIGINAL ORDER FOR ORDERING SPARE PARTS

NOTES:
FILAMENT-WOUND CLASS 1 VESSEL
DESIGN PRESSURE : 300 PSI
HYDROTEST PRESSURE : 330PSI
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 2025, RP/NB STAMP REQUIRED FOR CRN
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE



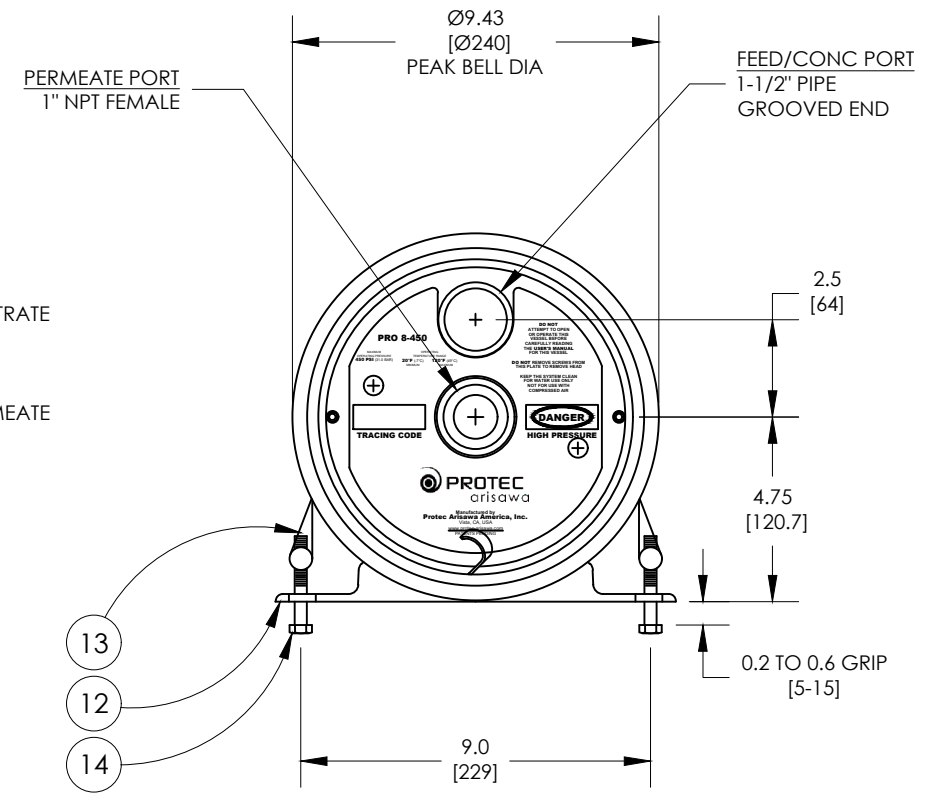
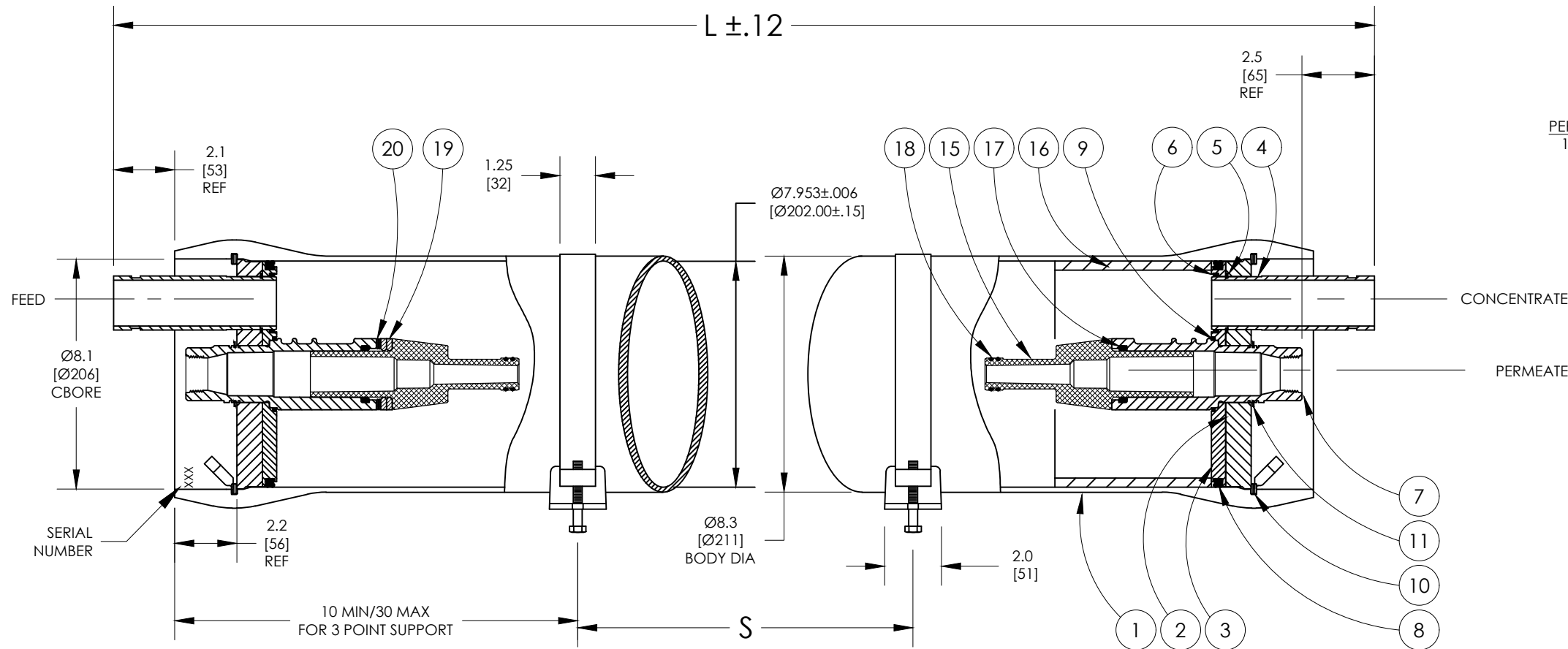
PRO 8-300-EP

ENGR KI 09/24/2025	PRO 8-300-EP			
QLTY TS 09/24/2025				
MRKT KK 09/24/2025				
ECO 20163	REVISED 09/26/2025	DRAWING 101008	REV U	

GENERAL DIMENSIONS			
Shell Length Code	L inch (mm)	S Span inch [mm]	Empty Weight lb [Kg]
-1	61 [1549.40]	1 @ 28 [711.20]	31 [14]
-2	101 [2565.40]	1 @ 56 [1422.40]	46 [21]
-3	141 [3581.40]	1 @ 80 [2032.00]	60 [27]
-4	181 [4597.40]	2 @ 64 [1625.60]	74 [34]
-5	221 [5613.40]	2 @ 78 [1981.20]	89 [40]
-6	261 [6629.40]	2 @ 92 [2336.80]	103 [47]
-7	301 [7645.40]	2 @ 106 [2692.40]	118 [53]
-8	341 [8661.40]	2 @ 120 [3048.00]	132 [60]

BILL OF MATERIAL				
ITEM	QTY	P/N	ITEM	ITEM
1	1	4080002	Shell	Filament Wound, Epoxy FRP
2	2	4080027	Bearing Plate	6061-T6 Aluminum, SB-221, Anodized
3	2	4080065-1	Sealing Plate	PVC
4	2	4080100-1	Feed / Concentrate Port	SST 316L, SA-312
5	2	6121187	Retaining Ring, F/C Port	SST 316L, SA-479
6	2	6184604-N	O-Ring Seal, F/C Port	EPDM
7	2	4080289	Permeate Port	Noryl GFN2
8	2	6100442MK	Head Seal	EPDM
9	2	6110229-N	Permeate Port Seal	EPDM
10	2	4080320	Retaining Ring w/Finger Pull	SST 316L, SA-479
11	2	6121200	Retaining Ring, Permeate Port	SST 316L, SA-479
12	2 ^{*1}	4080173	Support Saddle	Thermoplastic Rubber
13	2	4080137	Strap Assembly	SST 316L
14	4	6150001	Strap Screw	SST 18-8
15	2	A/R	Adapter	Noryl GFN2 / Thermoplastic
16	1	4080043	Thrust Cone	PVC
17	2	6180326-N	Adapter Seal	EPDM
18	A/R	A/R	PWT Seal	EPDM
19	2	4080062-4	Shim, Adapter [5mm]	Noryl GFN2
20	2	4081441	Shim, Adapter [2mm]	Noryl GFN2

^{*1} 3 each with shell length -4 and longer



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

NOTES:
FILAMENT-WOUND CLASS 1 VESSEL
DESIGN PRESSURE : 450 PSI
HYDROTEST PRESSURE : 495 PSI
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

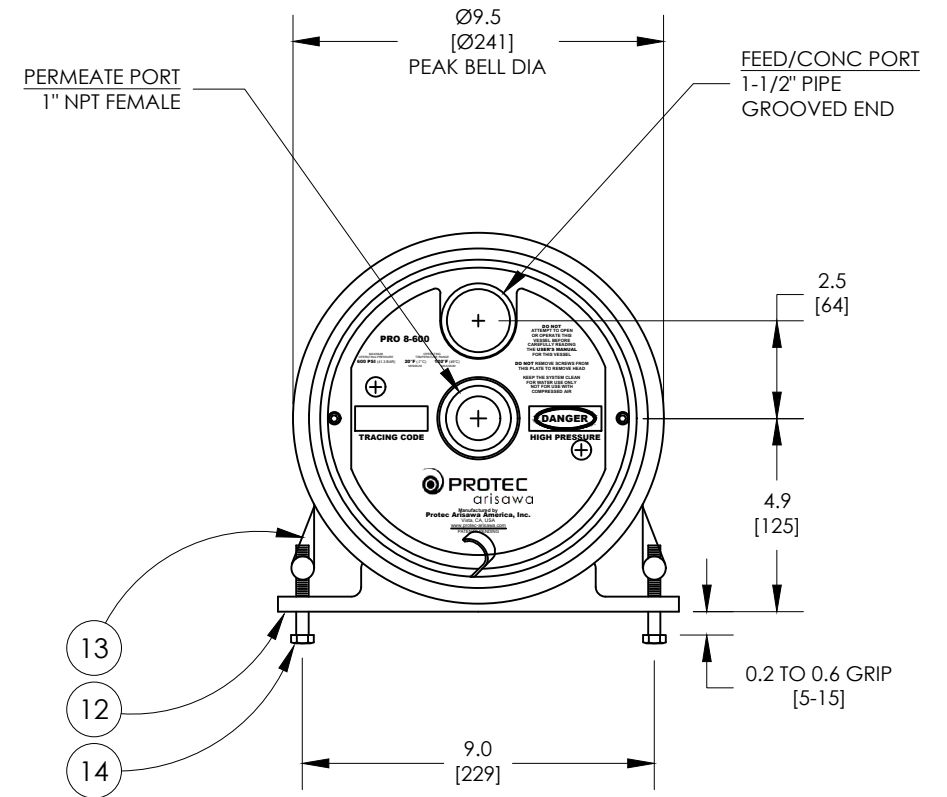
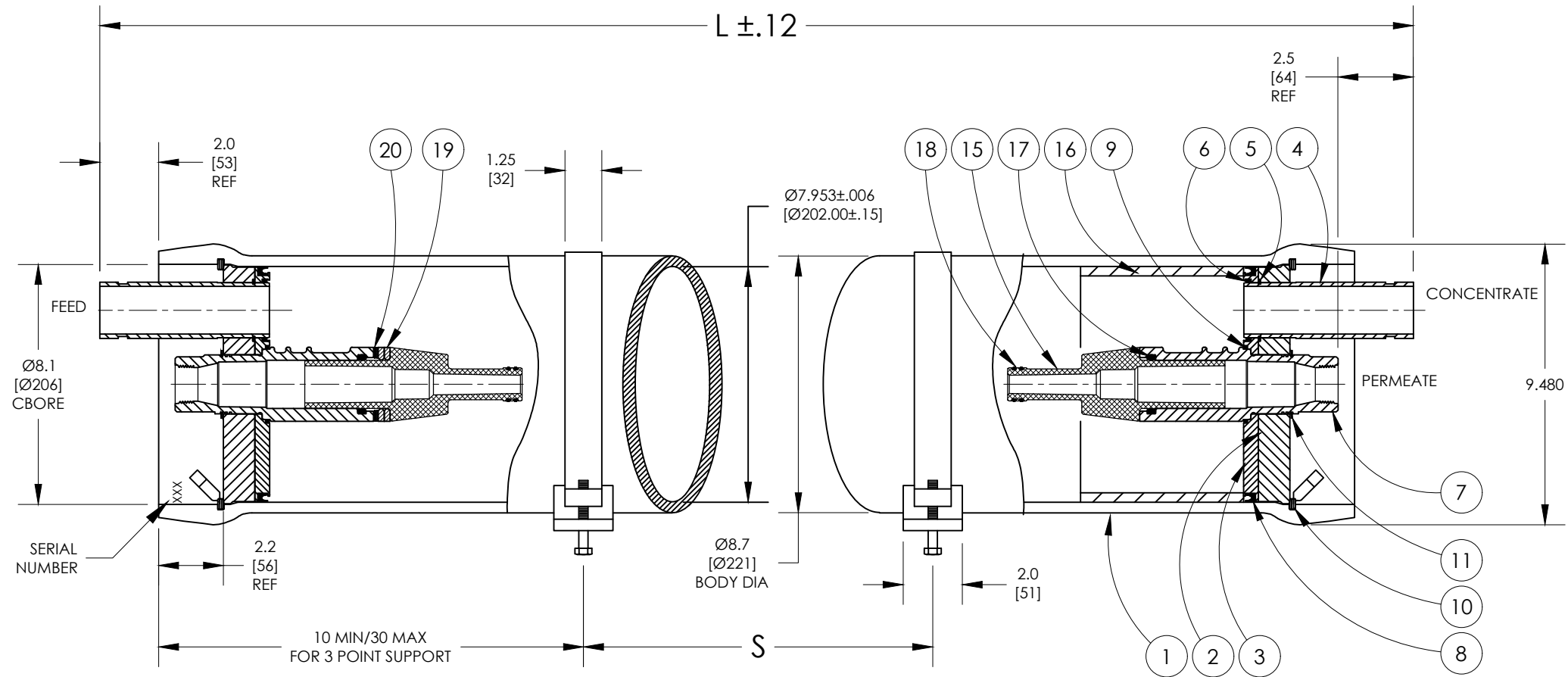


PRO 8-450-EP				
ENGR KI 09/24/2025				
QLTY TS 09/24/2025				
MRKT KK 09/24/2025	ECO 20163	REVISED 09/26/2025	DRAWING 101009	REV Y

GENERAL DIMENSIONS			
Shell Length Code	L inch (mm)	S Span inch [mm]	Empty Weight lb [Kg]
-1	63 [1600.20]	1 @ 28 [711.20]	54 [25]
-2	103 [2616.20]	1 @ 56 [1422.40]	69 [31]
-3	143 [3632.20]	1 @ 80 [2032.00]	84 [38]
-4	183 [4648.20]	2 @ 64 [1625.60]	99 [45]
-5	223 [5664.20]	2 @ 78 [1981.20]	114 [52]
-6	263 [6680.20]	2 @ 92 [2336.80]	129 [58]
-7	303 [7696.20]	2 @ 106 [2692.40]	144 [65]
-8	343 [8712.20]	2 @ 120 [3048.00]	158 [72]

BILL OF MATERIAL				
ITEM	QTY	P/N	ITEM	ITEM
1	1	4080003	Shell	Filament Wound, Epoxy FRP
2	2	4080029	Bearing Plate	6061-T6 Aluminum, SB-221, Anodized
3	2	4080065-1	Sealing Plate	PVC
4	2	4080011-1	Feed / Concentrate Port	SST 316L, SA-312
5	2	6121187	Retaining Ring, F/C Port	SST 316L, SA-479
6	2	6184604-N	O-Ring Seal, F/C Port	EPDM
7	2	4080289	Permeate Port	Noryl GFN2
8	2	6100442MK	Head Seal	EPDM
9	2	6110229-N	Permeate Port Seal	EPDM
10	2	4080320	Retaining Ring w/Finger Pull	SST 316L, SA-479
11	2	6121200	Retaining Ring, Permeate Port	SST 316L, SA-479
12	2*	4080174	Support Saddle	Thermoplastic Rubber
13	2	4080137	Strap Assembly	SST 316L
14	4	6150001	Strap Screw	SST 18-8
15	2	A/R	Adapter	Noryl GFN2 / Thermoplastic
16	1	4080043	Thrust Cone	PVC
17	2	6180326-N	Adapter Seal	EPDM
18	A/R	A/R	PWT Seal	EPDM
19	2	4080062-4	Shim, Adapter [5mm]	Noryl GFN2
20	2	4081441	Shim, Adapter [2mm]	Noryl GFN2

*1 3 each with shell length -4 and longer



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

NOTES:
FILAMENT-WOUND CLASS 1 VESSEL
DESIGN PRESSURE : 600 PSI
HYDROTEST PRESSURE : 660 PSI
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 2025, RP/NB STAMP REQUIRED FOR CRN
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE



PRO 8-600-EP

ENGR
MK
09/24/2025

QLTY
TS
09/24/2025

MRKT
KK
09/24/2025

ECO
20163

REVISED
09/26/2025

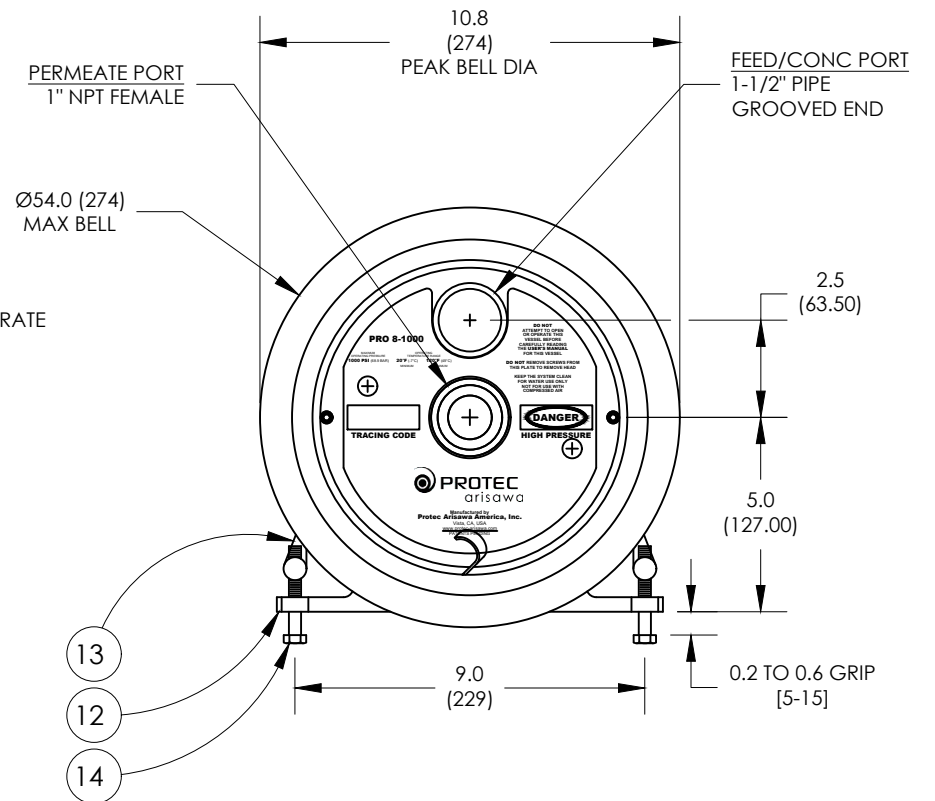
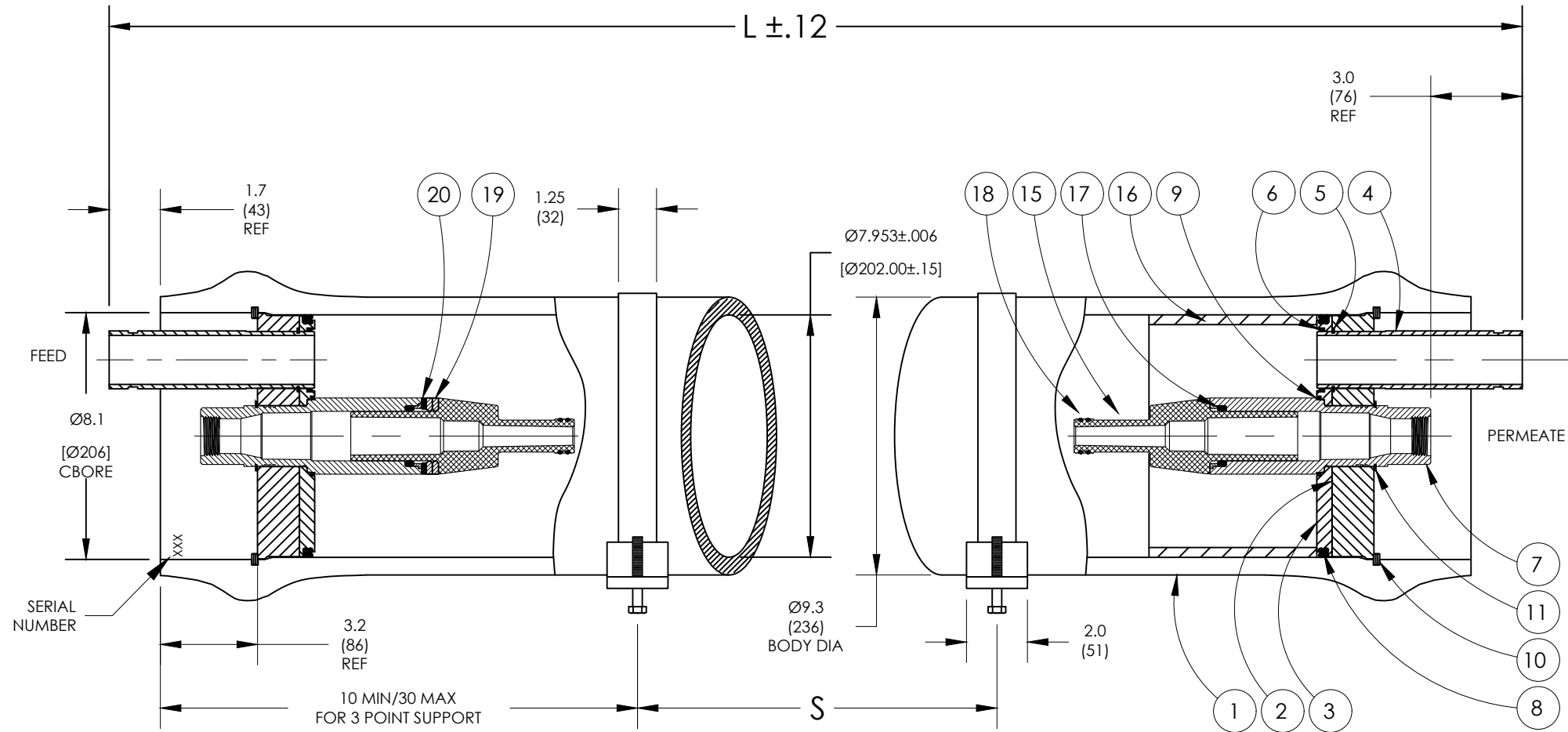
DRAWING
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GENERAL DIMENSIONS			
Shell Length Code	L inch (mm)	S Span inch [mm]	Empty Weight lb [Kg]
-1	63 [1600.20]	1 @ 28 [711.20]	64 [29]
-2	103 [2616.20]	1 @ 56 [1422.40]	94 [42]
-3	143 [3632.20]	1 @ 80 [2032.00]	123 [56]
-4	183 [4648.20]	2 @ 64 [1625.60]	152 [69]
-5	223 [5664.20]	2 @ 78 [1981.20]	181 [82]
-6	263 [6680.20]	2 @ 92 [2336.80]	211 [95]
-7	303 [7696.20]	2 @ 106 [2692.40]	240 [109]
-8	343 [8712.20]	2 @ 120 [3048.00]	269 [122]

BILL OF MATERIAL				
ITEM	QTY	P/N	ITEM	ITEM
1	1	4080004	Shell	Filament Wound, Epoxy FRP
2	2	4080031	Bearing Plate	6061-T6 Aluminum, SB-221, Anodized
3	2	4080065-1	Sealing Plate	PVC
4	2	4080011-1	Feed / Concentrate Port	SST 316L, SA-312
5	2	6121187	Retaining Ring, F/C Port	SST 316L, SA-479
6	2	6184604-N	O-Ring Seal, F/C Port	EPDM
7	2	4080289	Permeate Port	Noryl GFN2
8	2	6100442MK	Head Seal	EPDM
9	2	6110229-N	Permeate Port Seal	EPDM
10	2	4080320	Retaining Ring w/Finger Pull	SST 316L, SA-479
11	2	6121200	Retaining Ring, Permeate Port	SST 316L, SA-479
12	2*1	4080174	Support Saddle	Thermoplastic Rubber
13	2	4080137	Strap Assembly	SST 316L
14	4	6150001	Strap Screw	SST 18-8
15	2	A/R	Adapter	Noryl GFN2 / Thermoplastic
16	1	4080043	Thrust Cone	PVC
17	2	6180326-N	Adapter Seal	EPDM
18	A/R	A/R	PWT Seal	EPDM
19	2	4080062-4	Shim, Adapter [5mm]	Noryl GFN2
20	2	4081441	Shim, Adapter [2mm]	Noryl GFN2

*1 3 each with shell length -4 and longer



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

NOTES:
FILAMENT-WOUND CLASS 1 VESSEL
DESIGN PRESSURE : 1000 PSI
HYDROTEST PRESSURE : 1100 PSI
MAX. DESIGN TEMPERATURE : 120 °F
MIN. DESIGN TEMPERATURE : 20 °F
IMPACT TESTING : EXEMPT
CORROSION ALLOWANCE : NONE
FLUID SERVICE : SEA 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".
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INTERNAL PERMEATE PRESSURE MUST NOT EXCEED 125 PSI.
ASME SECTION X 2025, RP/NB STAMP REQUIRED FOR CRN
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE



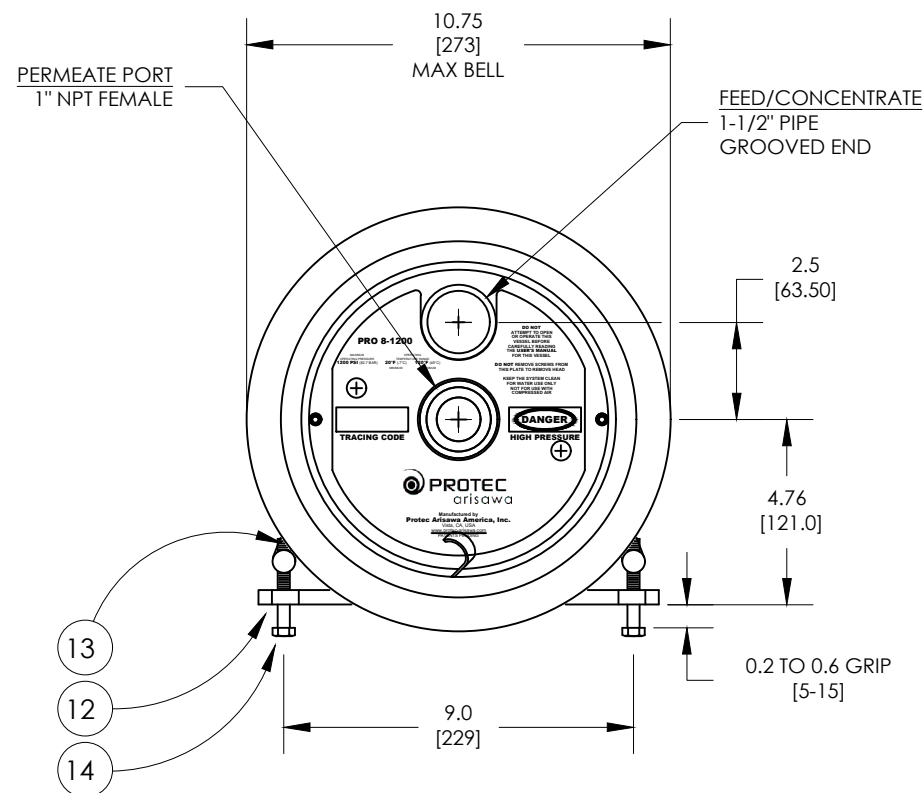
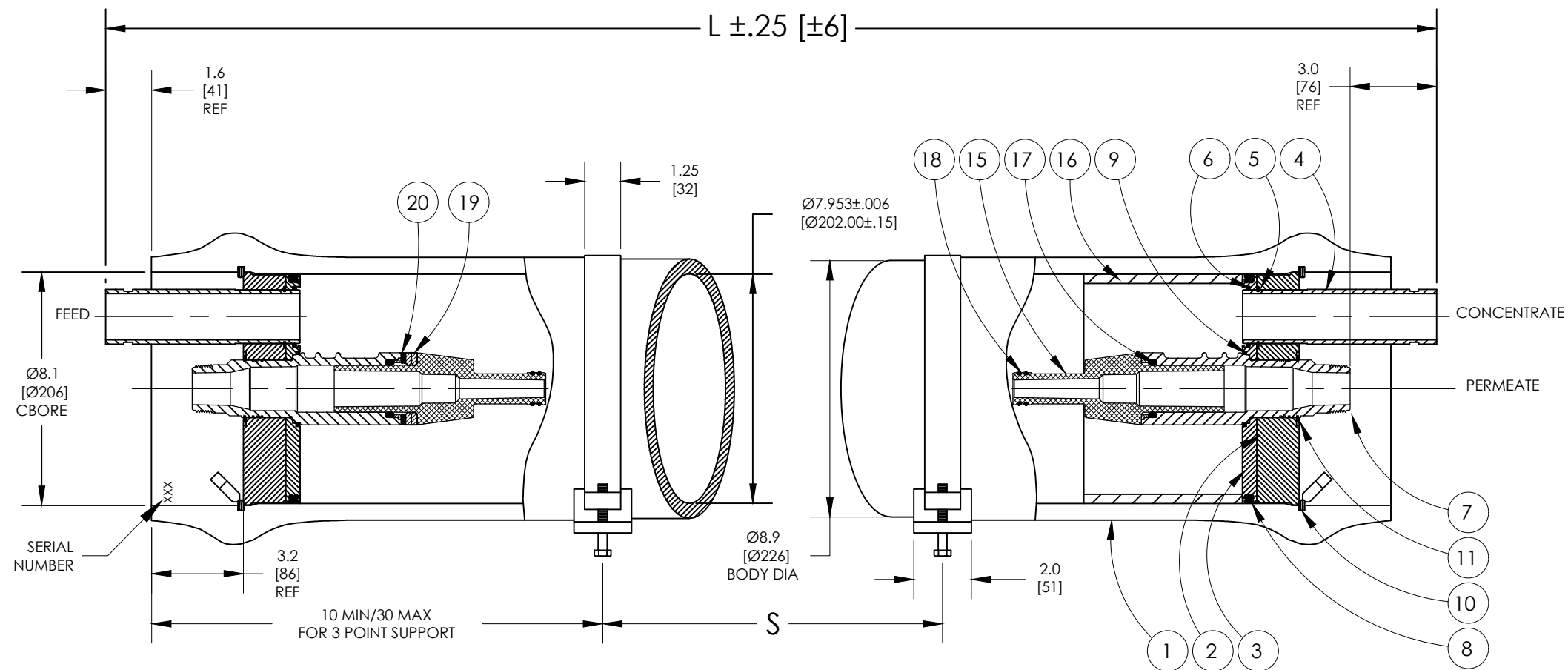
PRO 8-1000-EP

ENGR KI 09/24/2025	PRO 8-1000-EP			
QLTY TS 09/24/2025				
MRKT KK 09/24/2025				
ECO 20164	REVISED 09/26/2025	DRAWING 101011	REV T	

GENERAL DIMENSIONS			
Shell Length Code	L inch (mm)	S Span inch [mm]	Empty Weight lb [Kg]
-1	65 [1651]	1 @ 28 [711.20]	105 [48]
-2	105 [2667]	1 @ 56 [1422.40]	141 [64]
-3	145 [3683]	1 @ 80 [2032.00]	177 [80]
-4	185 [4699]	2 @ 64 [1625.60]	213 [97]
-5	225 [5715]	2 @ 78 [1981.20]	248 [112]
-6	265 [6731]	2 @ 92 [2336.80]	284 [129]
-7	305 [7747]	2 @ 106 [2692.40]	320 [145]
-8	345 [8763]	2 @ 120 [3048.00]	356 [162]

BILL OF MATERIAL				
ITEM	QTY	P/N	ITEM	ITEM
1	1	4080005	Shell	Filament Wound, Epoxy FRP
2	2	4080033	Bearing Plate	6061-T6 Aluminum, SB-221, Anodized
3	2	4080065-1	Sealing Plate	PVC
4	2	4080231	Feed / Concentrate Port	SST Super Duplex, SA-790
5	2	6121187	Retaining Ring, F/C Port	SST 316L, SA-479
6	2	6184604-N	O-Ring Seal, F/C Port	EPDM
7	2	4080378	Permeate Port	Noryl GFN2
8	2	6100442MK	Head Seal	EPDM
9	2	6110229-N	Permeate Port Seal	EPDM
10	2	4080320	Retaining Ring w/Finger Pull	SST 316L, SA-479
11	2	6121200	Retaining Ring, Permeate Port	SST 316L, SA-479
12	2*	4080175	Support Saddle	Thermoplastic Rubber
13	2	4080137	Strap Assembly	SST 316L
14	4	6150001	Strap Screw	SST 18-8
15	2	A/R	Adapter	Noryl GFN2 / Thermoplastic
16	1	4080043	Thrust Cone	PVC
17	2	6180326-N	Adapter Seal	EPDM
18	A/R	A/R	PWT Seal	EPDM
19	2	4080062-4	Shim, Adapter [5mm]	Noryl GFN2
20	2	4081441	Shim, Adapter [2mm]	Noryl GFN2

*1 3 each with shell length -4 and longer



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

NOTES:
FILAMENT-WOUND CLASS 1 VESSEL
DESIGN PRESSURE : 1200 PSI
HYDROTEST PRESSURE : 1320 PSI
MAX. DESIGN TEMPERATURE : 120 °F
MIN. DESIGN TEMPERATURE : 20 °F
IMPACT TESTING : EXEMPT
CORROSION ALLOWANCE : NONE
FLUID SERVICE : SEA 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".
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RESULT IN LEAKS AND PREMATURE FAILURE. TAKE EVERY PRECAUTION LISTED IN
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INTERNAL PERMEATE PRESSURE MUST NOT EXCEED 125 PSI.
ASME SECTION X 2025, RP/NB STAMP REQUIRED FOR CRN
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE



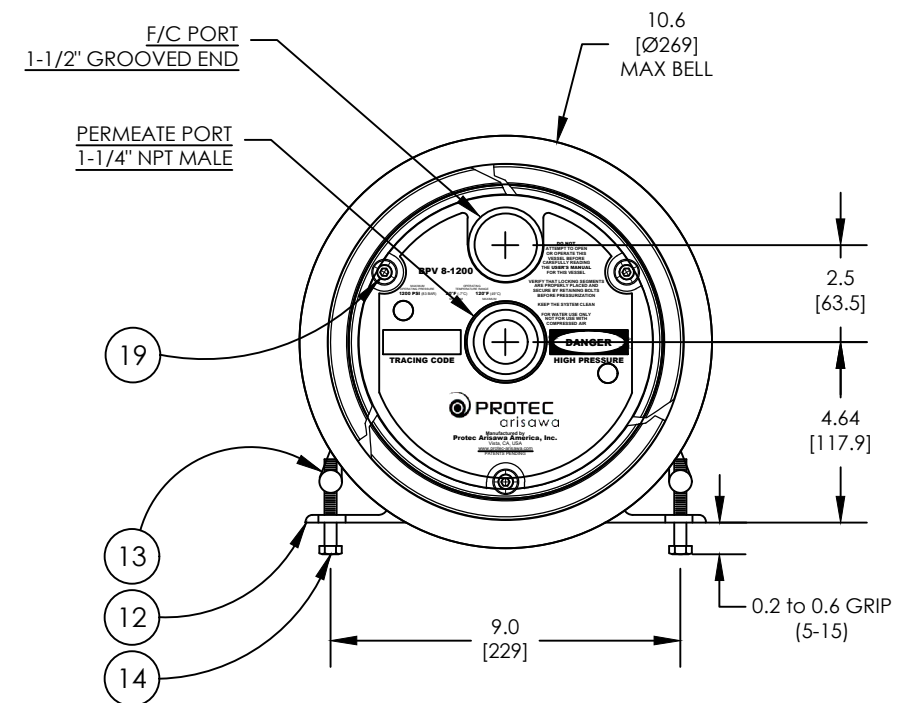
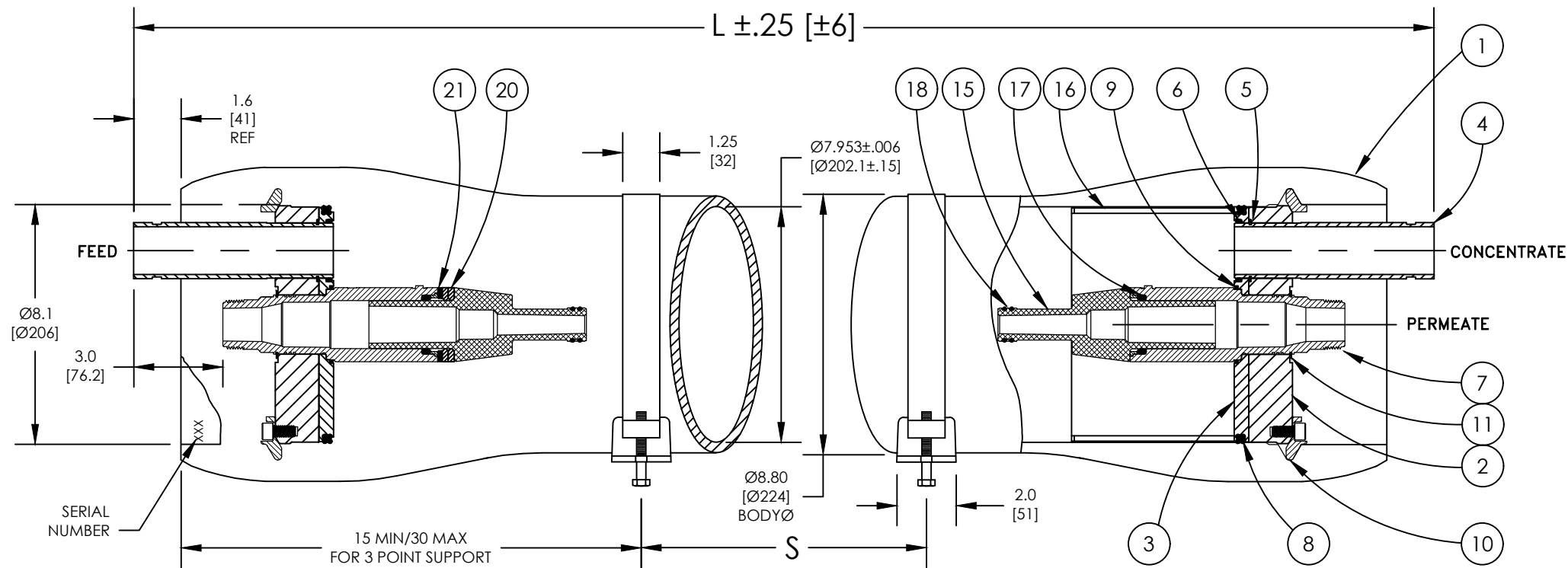
PRO 8-1200-EP

ENGR KI 09/24/2025				
QLTY TS 09/24/2025				
MRKT KK 09/24/2025	ECO 20164	REVISED 09/26/2025	DRAWING 101012	REV Q

GENERAL DIMENSIONS			
Shell Length Code	L inch (mm)	S Span inch [mm]	Empty Weight lb [Kg]
-1	65 [1651]	1 @ 28 [711.20]	113 [51]
-2	105 [2667]	1 @ 56 [1422.40]	151 [69]
-3	145 [3683]	1 @ 80 [2032.00]	190 [86]
-4	185 [4699]	2 @ 64 [1625.60]	228 [104]
-5	225 [5715]	2 @ 78 [1981.20]	267 [121]
-6	265 [6731]	2 @ 92 [2336.80]	306 [139]
-7	305 [7747]	2 @ 106 [2692.40]	344 [156]
-8	345 [8763]	2 @ 120 [3048.00]	383 [174]

BILL OF MATERIAL				
ITEM	QTY	P/N	ITEM	ITEM
1	1	4080005	Shell	Filament Wound, Epoxy FRP
2	2	4081294	Bearing Plate	6061-T6 Aluminum, SB-221, Anodized
3	2	4080065-1	Sealing Plate	PVC
4	2	4080231	Feed / Concentrate Port	SST Super Duplex, SA-790
5	2	6121187	Retaining Ring, F/C Port	SST 316L, SA-479
6	2	6184604-N	O-Ring Seal, F/C Port	EPDM
7	2	4080378	Permeate Port	Noryl GFN2
8	2	6100442MK	Head Seal	EPDM
9	2	6110229-N	Permeate Port Seal	EPDM
10	2	4080320	Retaining Ring w/Finger Pull	SST 316L, SA-479
11	2	6121200	Retaining Ring, Permeate Port	SST 316L, SA-479
12	2*	4080175	Support Saddle	Thermoplastic Rubber
13	2	4080137	Strap Assembly	SST 316L
14	4	6150001	Strap Screw	SST 18-8
15	2	A/R	Adapter	Noryl GFN2 / Thermoplastic
16	1	4080043	Thrust Cone	PVC
17	2	6180326-N	Adapter Seal	EPDM
18	A/R	A/R	PWT Seal	EPDM
19	2	4080062-4	Shim, Adapter [5mm]	Noryl GFN2
20	2	4081441	Shim, Adapter [2mm]	Noryl GFN2

*1 3 each with shell length -4 and longer



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

NOTES:
FILAMENT-WOUND CLASS 1 VESSEL
DESIGN PRESSURE : 1000 PSI
HYDROTEST PRESSURE : 1100 PSI
MAX. DESIGN TEMPERATURE : 120 °F
MIN. DESIGN TEMPERATURE : 20 °F
IMPACT TESTING : EXEMPT
CORROSION ALLOWANCE : NONE
FLUID SERVICE : SEA 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 2025, RP/NB STAMP REQUIRED FOR CRN
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE



BPV 8-1000-EP

ENGR
KI
09/24/2025
QLTY
TS
09/24/2025
MRKT
KK
09/24/2025

ECO 20164	REVISED 09/26/2025	DRAWING 101049	REV G
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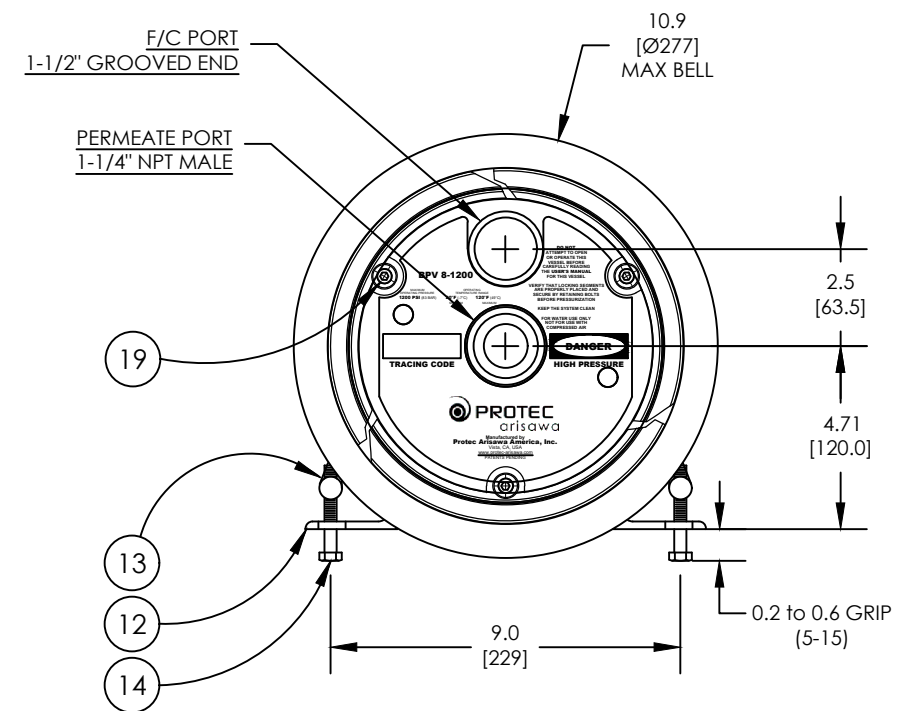
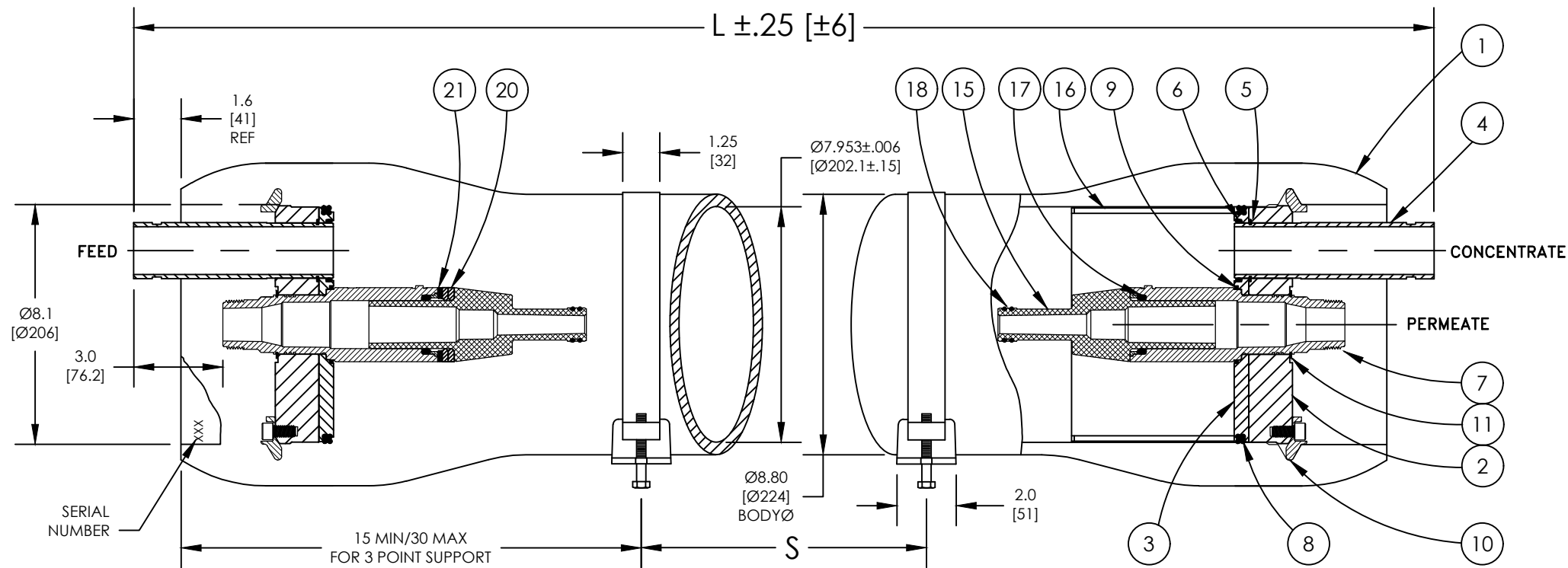
GENERAL DIMENSIONS

Shell Length Code	L inch (mm)	S Span inch [mm]	Empty Weight lb [Kg]
-1	65 [1651]	1 @ 28 [711.20]	89 [40]
-2	105 [2667]	1 @ 56 [1422.40]	117 [53]
-3	145 [3683]	1 @ 80 [2032.00]	145 [66]
-4	185 [4699]	2 @ 64 [1625.60]	173 [78]
-5	225 [5715]	2 @ 78 [1981.20]	200 [91]
-6	265 [6731]	2 @ 92 [2336.80]	229 [104]
-7	305 [7747]	2 @ 106 [2692.40]	257 [116]
-8	345 [8763]	2 @ 120 [3048.00]	285 [130]

BILL OF MATERIAL

ITEM	QTY	P/N	ITEM	ITEM
1	1	4081301	Shell	Filament Wound, Epoxy FRP
2	2	4080533	Bearing Plate	6061-T6 Aluminum, SB-221, Anodized
3	2	4080065-1	Sealing Plate	PVC
4	2	4080231	Feed / Concentrate Port	SST Super Duplex, SA-790
5	2	6121187	Retaining Ring, F/C Port	SST 316L, SA-479
6	2	6184604-N	O-Ring Seal, F/C Port	EPDM
7	2	4080308	Permeate Port	Noryl GFN2
8	2	6100442MK	Head Seal	EPDM
9	2	6110229-N	Permeate Port Seal	EPDM
10	6	4080474-1	Locking Segments	SST CF8M, SA-351
11	2	6121200	Retaining Ring, Permeate Port	SST 316L, SA-479
12	2* ¹	4080175	Support Saddle	Thermoplastic Rubber
13	2	4080137	Strap Assembly	SST 316L
14	4	6150001	Strap Screw	SST 18-8
15	2	A/R	Adapter	Noryl GFN2 / Thermoplastic
16	1	4080043	Thrust Cone	PVC
17	2	6180326-N	Adapter Seal	EPDM
18	A/R	A/R	PWT Seal	EPDM
19	6	6150048	Head Screw	SST 18-8
20	2	4080062-4	Shim, Adapter [5mm]	Noryl GFN2
21	2	4081441	Shim, Adapter [2mm]	Noryl GFN2

*¹ 3 each with shell length -4 and longer



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

NOTES:
FILAMENT-WOUND CLASS 1 VESSEL
DESIGN PRESSURE : 1200 PSI
HYDROTEST PRESSURE : 1320 PSI
MIN.DESIGN TEMPERATURE : 120 °F
MIN. DESIGN TEMPERATURE : 20 °F
IMPACT TESTING : EXEMPT
CORROSION ALLOWANCE : NONE
FLUID SERVICE : SEA 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 2025, RP/NB STAMP REQUIRED FOR CRN
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE



BPV 8-1200-EP

ENGR
KI
09/24/2025
QLTY
TS
09/24/2025
MRKT
KK
09/24/2025

ECO
20164

REVISED
09/26/2025

DRAWING
101050

REV
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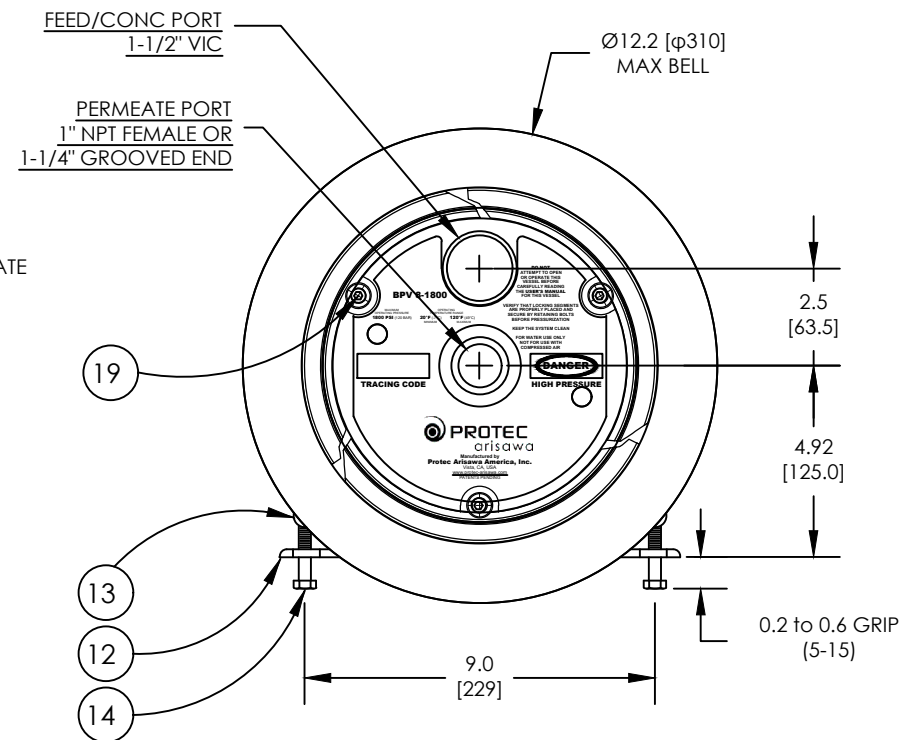
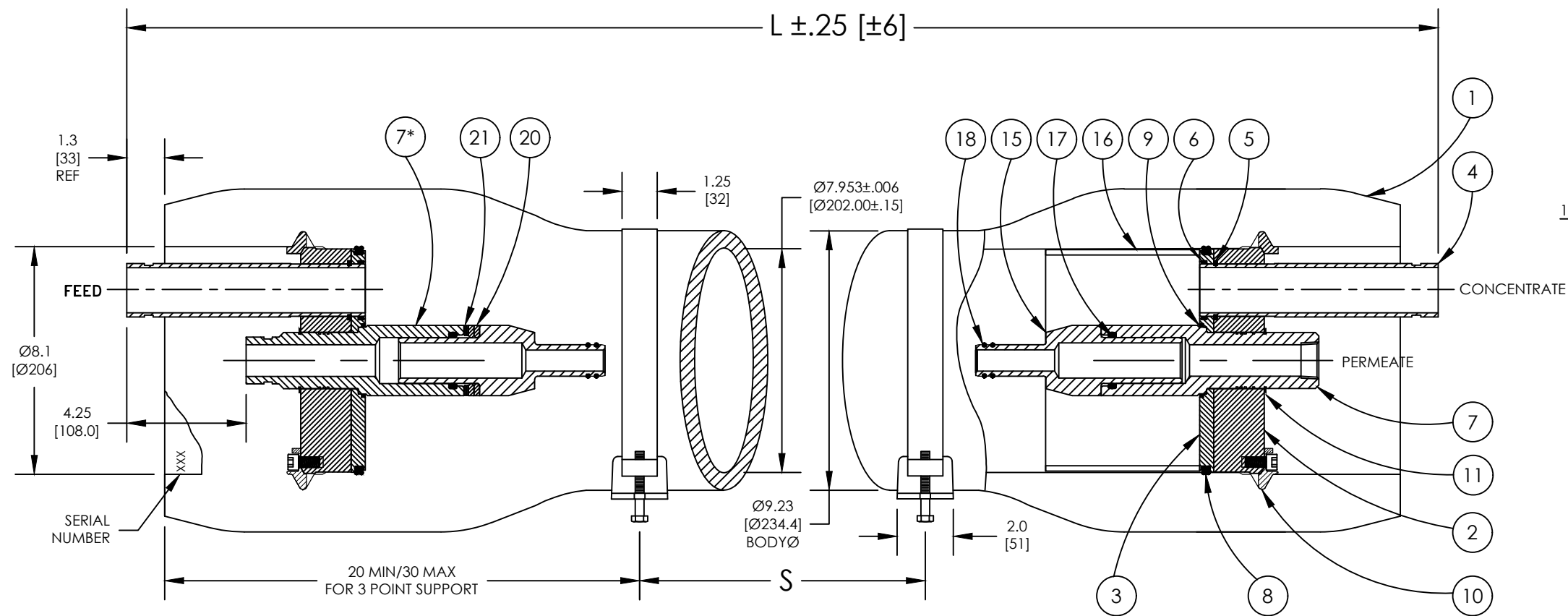
GENERAL DIMENSIONS

Shell Length Code	L inch (mm)	S Span inch [mm]	Empty Weight lb [Kg]
-1	65 [1651]	1 @ 28 [711.20]	108 [49]
-2	105 [2667]	1 @ 56 [1422.40]	142 [64]
-3	145 [3683]	1 @ 80 [2032.00]	176 [80]
-4	185 [4699]	2 @ 64 [1625.60]	210 [95]
-5	225 [5715]	2 @ 78 [1981.20]	243 [110]
-6	265 [6731]	2 @ 92 [2336.80]	277 [126]
-7	305 [7747]	2 @ 106 [2692.40]	311 [141]
-8	345 [8763]	2 @ 120 [3048.00]	345 [157]

BILL OF MATERIAL

ITEM	QTY	P/N	ITEM	ITEM
1	1	4080532	Shell	Filament Wound, Epoxy FRP
2	2	4081257	Bearing Plate	6061-T6 Aluminum, SB-221, Anodized
3	2	4080065-1	Sealing Plate	PVC
4	2	4080231	Feed / Concentrate Port	SST Super Duplex, SA-790
5	2	6121187	Retaining Ring, F/C Port	SST 316L, SA-479
6	2	6184604-N	O-Ring Seal, F/C Port	EPDM
7	2	4080308	Permeate Port	Noryl GFN2
8	2	6100442MK	Head Seal	EPDM
9	2	6110229-N	Permeate Port Seal	EPDM
10	6	4080474-1	Locking Segments	SST CF8M, SA-351
11	2	6121200	Retaining Ring, Permeate Port	SST 316L, SA-479
12	2* ¹	4080175	Support Saddle	Thermoplastic Rubber
13	2	4080137	Strap Assembly	SST 316L
14	4	6150001	Strap Screw	SST 18-8
15	2	A/R	Adapter	Noryl GFN2 / Thermoplastic
16	1	4080043	Thrust Cone	PVC
17	2	6180326-N	Adapter Seal	EPDM
18	A/R	A/R	PWT Seal	EPDM
19	6	6150048	Head Screw	SST 18-8
20	2	4080062-4	Shim, Adapter [5mm]	Noryl GFN2
21	2	4081441	Shim, Adapter [2mm]	Noryl GFN2

*1 3 each with shell length -4 and longer



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

NOTES:
FILAMENT-WOUND CLASS 1 VESSEL
DESIGN PRESSURE : 1800 PSI
HYDROTEST PRESSURE : 1980 PSI
MAX. DESIGN TEMPERATURE : 120 °F
MIN. DESIGN TEMPERATURE : 20 °F
IMPACT TESTING : EXEMPT
CORROSION ALLOWANCE : NONE
FLUID SERVICE : SEA 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 2025, RP/NB STAMP REQUIRED FOR CRN
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE



ENGR KI 09/24/2025	BPV 8-1800-EP			
QLTY TS 09/24/2025				
MRKT KK 09/24/2025	ECO 20165	REVISED 09/26/2025	DRAWING 101056	REV E

GENERAL DIMENSIONS			
Shell Length Code	L inch [mm]	S Span inch [mm]	Empty Weight lb [Kg]
-1	68.5 [1740]	1 @ 28 [711.20]	175 [79]
-2	108.5 [2756]	1 @ 56 [1422.40]	223 [101]
-3	148.5 [3772]	1 @ 80 [2032.00]	266 [123]
-4	188.5 [4788]	2 @ 64 [1625.60]	320 [144]
-5	228.5 [5804]	2 @ 78 [1981.20]	369 [166]
-6	268.5 [6820]	2 @ 92 [2336.80]	417 [188]
-7	308 [7836]	2 @ 106 [2692.40]	515 [233]

BILL OF MATERIAL				
ITEM	QTY	P/N	ITEM	ITEM
1	1	4081299	Shell	Filament Wound, Epoxy FRP
2	2	4081113	Bearing Plate	6061-T6 Aluminum, SB-221, Anodized
3	2	4080065-1	Sealing Plate	PVC
4	2	4081300	Feed / Concentrate Port	SST Super Duplex, SA-790
5	4	6121187	Retaining Ring, F/C Port	SST 316L, SA-479
6	2	6184604-N	O-Ring Seal, F/C Port	EPDM
7	1	4081259-5	Permeate Port, 1" FNPT	SST Super Duplex, SA-790
7*	1	4081258-6	Permeate Port, 1-1/4" Grooved End	SST Super Duplex, SA-790
8	2	6100442MK	Head Seal	EPDM
9	2	6110229-N	Permeate Port Seal	EPDM
10	6	4080474-1	Locking Segments	SST CF8M, SA-351
11	2	6121200	Retaining Ring, Permeate Port	SST 316L, SA-479
12	2 ^{*1}	4080175	Support Saddle	Thermoplastic Rubber
13	2	4080137	Strap Assembly	SST 316L
14	4	6150001	Strap Screw	SST 18-8
15	2	5080015-5	Adapter, 1.125" PWT x 0.75" BORE	SST Super Duplex, SA-790
16	1	4080043	Thrust Cone	PVC
17	2	6180326-N	Adapter Seal	EPDM
18	4	6180119-N	PWT Seal	EPDM
19	6	6150048	Head Screw	SST 18-8
20	2	4080062-4	Shim, Adapter [5mm]	Noryl GFN2
21	2	4081441	Shim, Adapter [2mm]	Noryl GFN2

*1 3 each with shell length -4 and longer