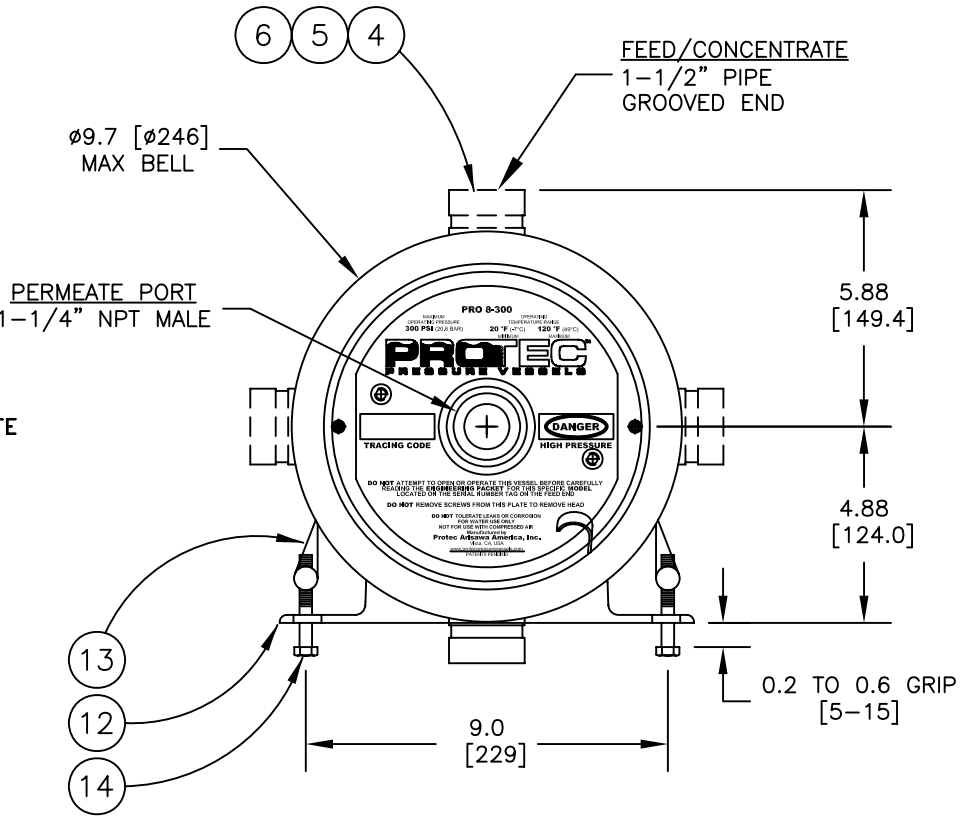
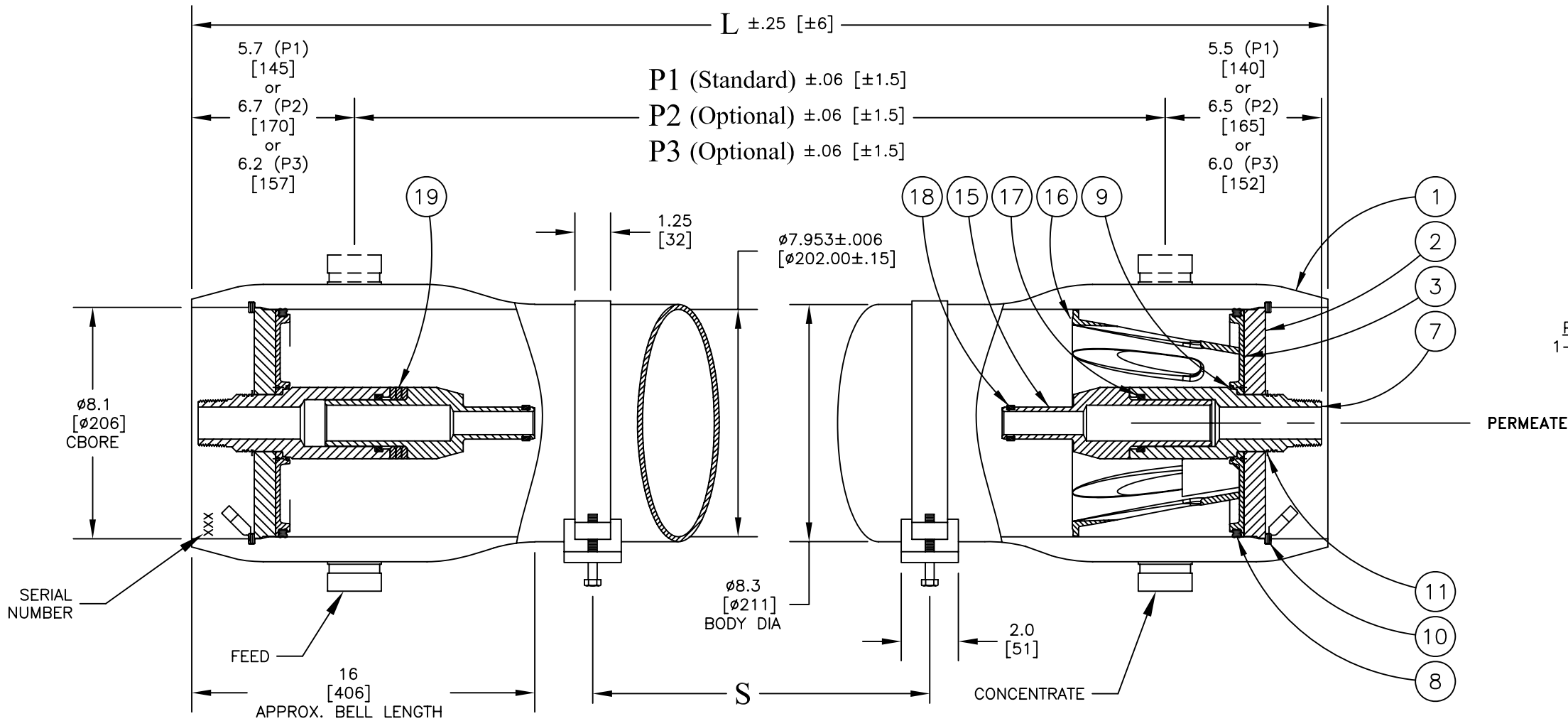


Design Pressure = 300 PSI @ 120 °F  
Min. Design Temperature = 20 °F @ 300 PSI  
Hydrotest Pressure = 330 PSI

300 PSI  
SIDE PORT



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".  
  
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, 2010  
RP CODE STAMP OPTIONAL  
  
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE



PRO 8-300-SP

APPROVED  
AP  
11/30/00  
  
CHECKED  
AP  
11/30/00  
  
DRAWN  
AP  
11/30/00

ECO

REVISED  
4/28/11

DRAWING  
101002

REV  
U

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

| 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       |
| 5    | 4   | 6121187   | Retaining Ring, F/C Port, 1-1/2", "D" | Stainless Steel, 316, SA-479       |
| 6    | 2   | 6184604-N | O-Ring Seal, F/C Port, 1-1/2", "D"    | Ethylene Propylene                 |
| 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               |
| 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   | 4080165-1 | Thrust Cone                           | PVC Thermoplastic                  |
| 17   | 2   | 6110326-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.