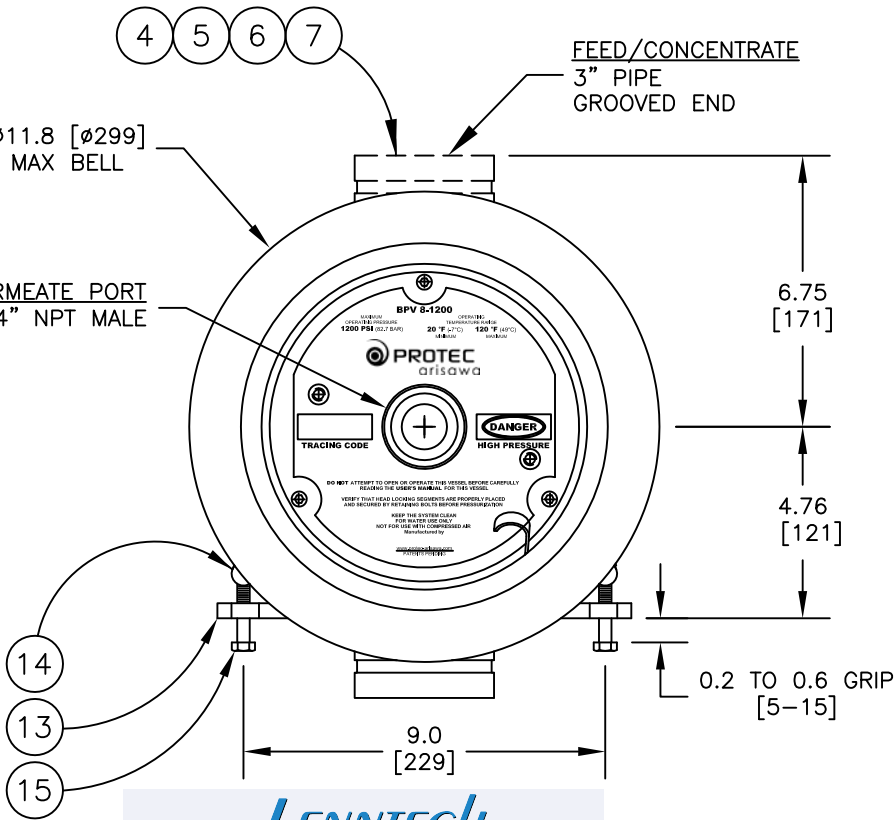


Design Pressure = 1200 PSI @ 120 °F  
Min. Design Temperature = 20 °F @ 1200 PSI  
Hydrotest Pressure = 1320 PSI

1200 PSI  
MEGA  
SIDE PORT



LENNTECH  
WATER TREATMENT SOLUTIONS

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**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.

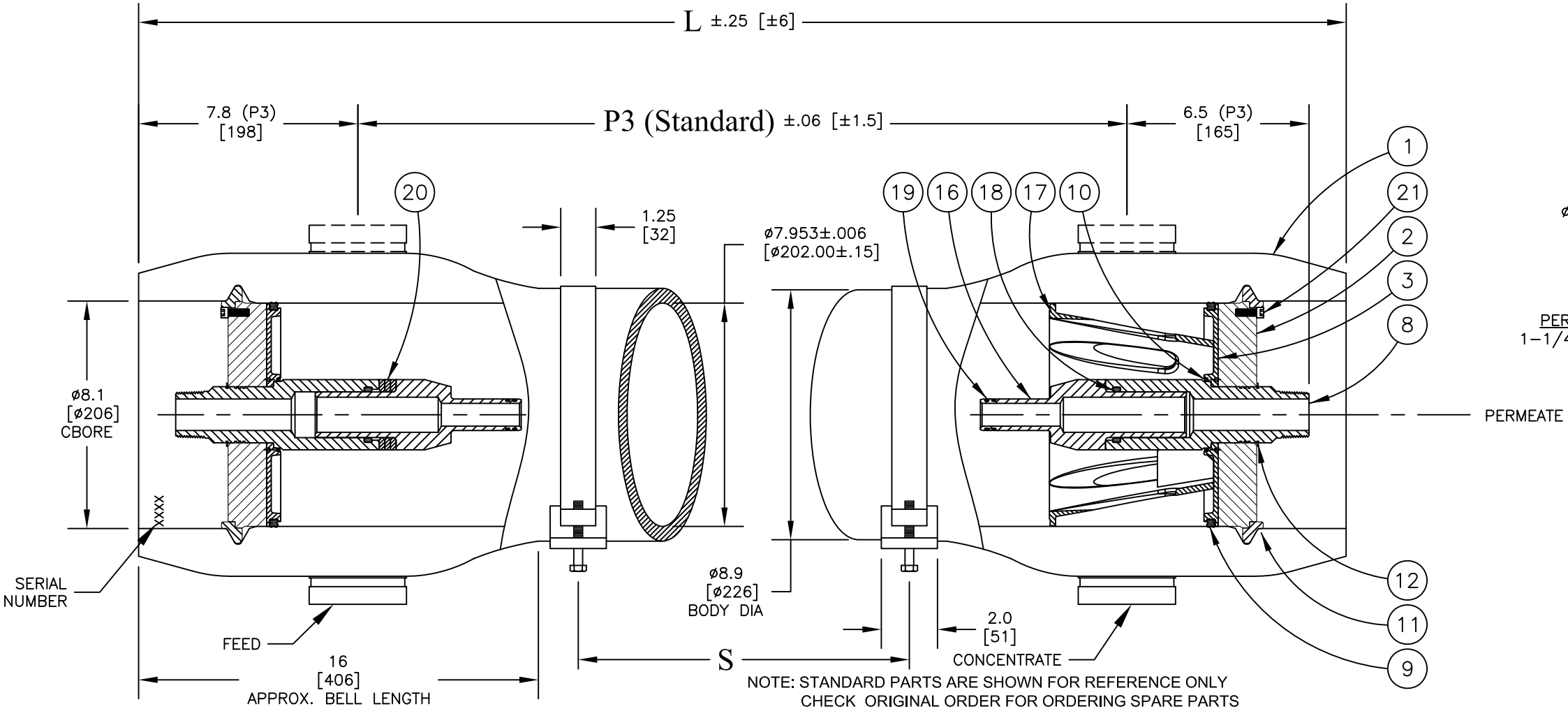
ASME SECTION X  
RP CODE STAMP OPTIONAL

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE



BPV 8-1200-MSP

|                                 |              |                    |                   |          |
|---------------------------------|--------------|--------------------|-------------------|----------|
| APPROVED<br>EB<br>10/8/08       | ECO<br>08244 | REVISED<br>8/31/16 | DRAWING<br>101039 | REV<br>C |
| CHECKED<br>EB<br>10/8/08        |              |                    |                   |          |
| DRAWN<br>L. ANGUIANO<br>10/8/08 |              |                    |                   |          |



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

| 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       |
| 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       |
| 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       |
| 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   | 4080165-1 | 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      |

\*3 each with shell length -4 and longer

| Shell Length Code | L<br>inch<br>(mm) | P3<br>Standard<br>inch<br>(mm) | S<br>Standard<br>in [mm] | Empty Weight<br>lb<br>[kg] |
|-------------------|-------------------|--------------------------------|--------------------------|----------------------------|
| -1                | 61.6<br>[1565]    | 46<br>[1168.4]                 | 1 @ 28<br>[711]          | 187<br>[85]                |
| -1.5              | 81.6<br>[2073]    | 66<br>[1676.4]                 | 1 @ 42<br>[1067]         | 207<br>[94]                |
| -2                | 101.6<br>[2581]   | 86<br>[2184.4]                 | 1 @ 56<br>[1422]         | 220<br>[100]               |
| -3                | 141.6<br>[3597]   | 126<br>[3200.4]                | 1 @ 80<br>[2032]         | 262<br>[119]               |
| -4                | 181.6<br>[4613]   | 166<br>[4216.4]                | 2 @ 64<br>[1626]         | 298<br>[135]               |
| -5                | 221.6<br>[5629]   | 206<br>[5232.4]                | 2 @ 78<br>[1981]         | 333<br>[151]               |
| -6                | 261.6<br>[6645]   | 246<br>[6248.4]                | 2 @ 92<br>[2337]         | 373<br>[169]               |
| -7                | 301.6<br>[7663]   | 286<br>[7264.4]                | 2 @ 106<br>[2692]        | 410<br>[186]               |
| -7.5              | 321.6<br>[8171]   | 306<br>[7772.4]                | 2 @ 114<br>[2896]        | 428<br>[194]               |
| -8                | 341.6<br>[8679]   | 326<br>[8280.4]                | 2 @ 120<br>[3048]        | 445<br>[202]               |