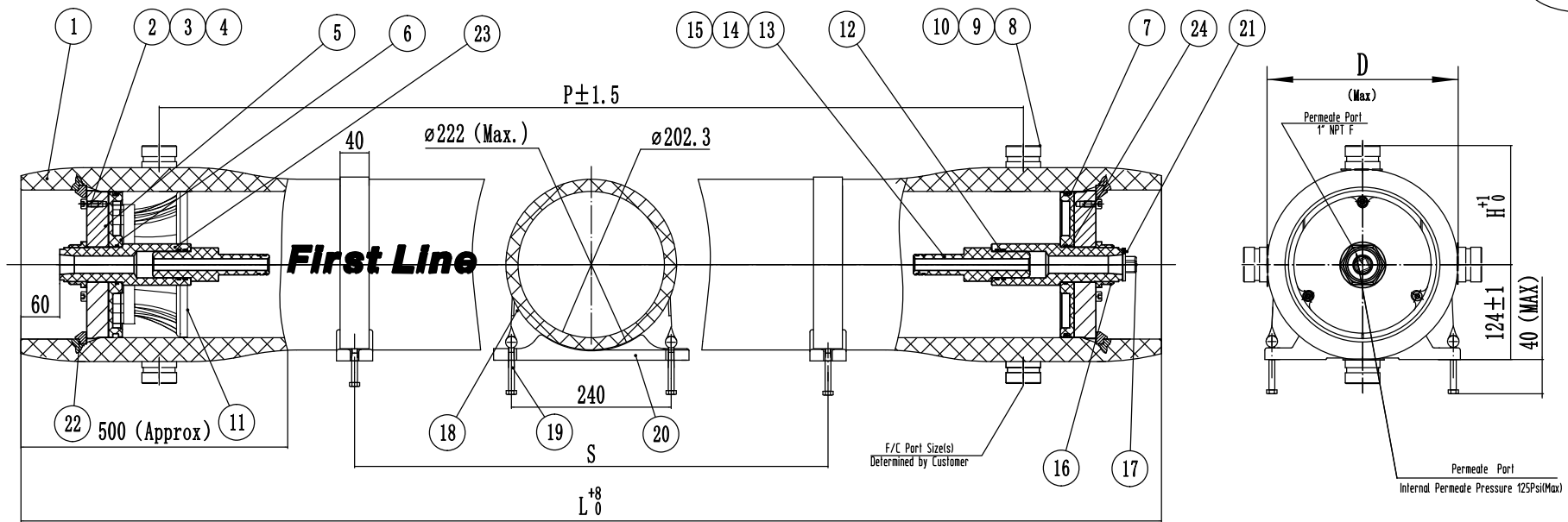


1000PSI



Note

1. Design pressure: 1000PSI (69Bar)
2. Design temperature: 150° F (66° C)
3. Minimum temperature: 14° F (-10° C)
4. Working medium: Water, PH 3-11
5. Please operate in accordance with User Guide
6. Flexible piping should be used on permeate connection to mainfold
7. Side port misalignment can not exceed 0.7mm in any direction
8. Subject to change without prior notice

| | | | | | |
|------|-----------------------|---------------------|------|-----------------|-----------|
| 24 | O-Ring | 20000318 | 2 | EPDM | 47.5x3.55 |
| 23 | Permeate Part | 20002270 | 2 | ABS | |
| 22 | Embedded Ring | 30200026 | 2 | 316L SST | |
| 21 | O-Ring | 20000314 | 1 | EPDM | 36.5x3.55 |
| 20 | Saddle | 20000002 | 2-3 | Rubber | |
| 19 | Strap Screw | 20000198 | 4-6 | 304SST | M8*90 |
| 18 | Strap | 20000188 | 2-3 | 304SST-Rubber | |
| 17 | Plug | 20000073 | 1 | ABS | |
| 16 | nul | 20000698 | 2 | ABS | |
| 15 | O-Ring | 20000316 | 4 | EPDM | 23.6x2.65 |
| 14 | Adapter | 20002250 | 2 | ABS | |
| 13 | Adapter Pad | 20000020 | 2-10 | ABS | |
| 12 | O-Ring | 20000314 | 4 | EPDM | 36.5x3.55 |
| 11 | Thrust Ring | 20000418 | 1 | ABS | |
| 10 | O-Ring | See Selection Table | 4-8 | EPDM | |
| 9 | Retaining Ring | See Selection Table | 2-4 | 304SST | |
| 8 | Feed/Conc. Part | See Selection Table | 2-4 | 2507SST | |
| 7 | O-Ring | 20001074 | 2 | EPDM | 187x7 |
| 6 | Sealing Plate | 20001809 | 2 | ABS | |
| 5 | Bearing Plate | 20000400 | 2 | Aluminium Alloy | |
| 4 | Locking Kit Segment | 20000008 09 10 | 6 | 316L SST | |
| 3 | Spring Pad | 20000197 | 6 | 304SST | ∅8 |
| 2 | Locking Segment Screw | 20000196 | 6 | 304SST | M8x20 |
| 1 | Pressure Shell | See Selection Table | 1 | Epoxy FRP | White |
| Ref. | Description | Part Number | Qty. | Material | Remark |

| Description | Part Number | Size | D (MM) | H (MM) | Remark |
|-----------------|-------------|------|--------|--------|-----------|
| Feed/Conc. Port | 20000524 | 1.5" | 262 | 161 | |
| | 20000477 | 2" | 262 | 164 | |
| | 20000478 | 2.5" | 268 | 166 | |
| | 20001588 | 3" | 292 | 177 | |
| | 20000615 | 1.5" | | | 41.2x3.55 |
| O-Ring | 20000616 | 2" | | | 53x3.55 |
| | 20000617 | 2.5" | | | 69x3.55 |
| | 20000455 | 3" | | | 82.5x3.55 |
| Retaining | 20000383 | 1.5" | | | |
| | 20000384 | 2" | | | |
| | 20000385 | 2.5" | | | |
| | 20000387 | 3" | | | |

| Ref. | Part Number | L (MM) | P (MM) | S (MM) | Approx assembly weight (KG) |
|------|-------------|--------|--------|--------|-----------------------------|
| 1 | F80100S-1 | 1582 | 1143 | 580 | 55 |
| 2 | F80100S-2 | 2598 | 2159 | 1350 | 69 |
| 3 | F80100S-3 | 3614 | 3175 | 2080 | 83 |
| 4 | F80100S-4 | 4630 | 4191 | 1600x2 | 98 |
| 5 | F80100S-5 | 5646 | 5207 | 2000x2 | 107 |
| 6 | F80100S-6 | 6662 | 6223 | 2360x2 | 122 |
| 7 | F80100S-7 | 7678 | 7239 | 2860x2 | 137 |
| 8 | F80100S-8 | 8694 | 8255 | 3370x2 | 152 |

Harbin FirstLine Environment Technology Co., Ltd.

| | | |
|-------------------|-----------------|---------------------------|
| First Line | Design | Model |
| | Date | F80-1000S Pressure Vessel |
| | Review | |
| | Date | |
| | Review | DRG |
| Date | F80-100-S-00-01 | |
| Review | | |
| Date | | |
| Approval | Unit | REV. |
| Date | mm | 2023 |