



Notes:

1. All dimensions are for reference only, not for construction unless certified.
2. For membranes shimming (if needed) use disks spacers on feed side of the vessels.
3. Drawing unit: mm. (inches)
4. Saddles can be shimmed if required.
5. Do not scale drawing, may be reprinted on any paper size or copied.
6. The vessel is supplied with two strap assembly.
7. Ports with special height (H) in vessel and Length between ports (P) can be changed to adapt old dimension - with customer's special request.
8. Storage & installation: Indoor.
9. Vessel's Port diameters, according to ANSI Standards.

| Membranes quantity | Length between ports, supports & internal space for membranes elements, mm./inch | | | | | | | |
|-----------------------|--|------|-------|-------|-------|-------|-------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| P, port to port | 1194 | 2210 | 3226 | 4242 | 5258 | 6274 | 7290 | 8306 |
| | 47 | 87 | 127 | 167 | 207 | 247 | 287 | 327 |
| S, supports span | 500 | 1500 | 2500 | 3250 | 4250 | 5250 | 6250 | 7250 |
| | 19.7 | 59.1 | 98.4 | 128 | 167.3 | 206.7 | 246.1 | 285.4 |
| M, space of membranes | 1032 | 2048 | 3064 | 4080 | 5096 | 6112 | 7128 | 8144 |
| | 40.6 | 80.6 | 120.6 | 160.6 | 200.6 | 240.6 | 280.6 | 320.6 |

| B (Peak bell diameter), mm./inch | | |
|----------------------------------|-------|-------|
| Side port dia. | 1.5" | 2" |
| 1800 (124.1) | 298 | 308 |
| | 11,73 | 12,13 |

| Membranes quantity | L (Length of pressure vessels), mm./inch | | | | | | | |
|--------------------|--|-------|-------|-------|-------|-------|-------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1800 (124.1) | 1704 | 2720 | 3736 | 4752 | 5768 | 6784 | 7800 | 8816 |
| | 67.1 | 107.1 | 147.1 | 187.1 | 227.1 | 267.1 | 307.1 | 347.1 |

| H (Height of side port), mm./inch | | |
|-----------------------------------|------|------|
| Side port dia. | 1.5" | 2" |
| 1800 (124.1) | 192 | 192 |
| | 7,56 | 7,56 |

Warning.

1. Never pressurize a pressure vessel that was not loaded with membrane elements.
2. Wrong manifolding may cause an excessive load on port what can lead to leaks.
3. Max. allowable working pressure not to exceed 1800 psi. (124.1 bar).
4. Permeate internal pressure not to exceed 125 psi. (8.6 bar).
5. Operating temperature not to exceed 49°C (120°F).

This drawing is an integral part of the general statement of use and Technical Manual

| | | | | | |
|---|----------------|---|------------|-----|------------|
| | TITLE: | BEL 8" Side Port 1800 psi (non code) RO PRESSURE VESSEL | DESIGN | DMG | 04/05/2020 |
| | CHECK | JME | 04/05/2020 | | |
| DRAWING NO: | BEL8-S-PV-1800 | | APPR. | MAF | 04/05/2020 |
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