ORDERING:

DO…read, understand and follow all instructions; failure to take any precaution will void warranty and may result in vessel failure.

DO…mount the shell on horizontal members at span “S” using compliant vessel supports furnished; Shim saddles if required. Tighten hold down straps just snug.

DO…align and center side ports with the manifold header. Correct, causes of misalignment in a row of vessels connected to the same header.

DO…use flexible type groove-end pipe couplings, Victaulic® Style 77 or equal, at side ports; allow full, 0.125 inch gap between port and piping, and position piping to maximize flexibility of connection.

DO…provide flexibility in, and support for piping manifolds so that vessel can grow in length under pressure without undue restraint; provide additional flexible joints in large pipes leading to manifold header.

DO…provide overpressure protection for vessel set at not more than 105% of design pressure.

DO…inspect end closures regularly; replace components that have deteriorated and correct causes of corrosion.

DO…Lubricate seals sparingly, using nonpetroleum based lubricants, i.e. Parker Super O-lube®, Glycerin or suitable silicone based lubricants.

DO NOT…work on any component until first verifying that pressure is relieved from vessel.

DO NOT…make rigid piping connections to ports or clamp vessel in any way that resists growth of fiberglass shell under pressure:

***DIA = 0.015 in. (0.4mm) and

***XL = 0.2 in. (6mm) for a length code –8 vessel.

DO NOT…hang piping manifolds from ports or use vessel in any way to support other components.

DO NOT…tighten Permeate Port connection more than one turn past hand tight.

DO NOT…operate vessel without connecting both Permeate Ports internally to complete set of elements or otherwise plug ports internally so that external piping connection is not subjected to feed pressure.

DO NOT…install Spacer on downstream end of vessel.

DO NOT…operate vessel without Thrust Cone installed downstream.

DO NOT…pressurize vessel until double-checking to verify that the Locking Ring is in place and fully seated.

DO NOT…operate vessel at pressure and temperature in excess of its rating.

DO NOT…operate vessel with permeate pressure in excess of 125 psi at 190°F (0.86 Mpa at 88°C).

DO NOT…tolerate leaks or allow end closures to be routinely wetted in any way.

DO NOT…operate outside the pH range 3-10.

ORDERING:
Using the chart below, please check the features you require.

VESSEL LENGTH CODE – please check one

DESIGN PRESSURE………………..300 PSIG at 190°F (2.1 MPa at 88°C)

MIN. OPERATING TEMP…………...……………20°F (-7°C)

CERTIFICATION REQUIRED

CE Marked Standard

ASME Stamped and National Board Registered.

F 2½” GROOVED END

PORT SIZE CODE

Note: Refer page-3 for optional Part numbers.
SS304  SS316  SS316L
45042  46926  94371

STRAP ASSEMBLY PART NUMBERS

1.0” / 1.25” Standard Port nut 45066
1.5” Port Retainer Ring 45247

PERM PORT RETAINER RING & PORT NUT PART NUMBERS

F/C PORT & SEAL PART NUMBER

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<th>SIZE</th>
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<th>***CD3MW/CuN</th>
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PERMEATE PORT SIZE ALUMINIUM SS316L
1.0”/1.25” 96156 97346
1.5” 96679 97350

BEARING PLATE PART NUMBERS

PERMEATE PORT SIZE & PERMPORT TO F/C PORT OFFSET DISTANCE

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NOTES

DIMENSION IN INCHES (MM APPROX.)
* GRADE CF3M PER ASME SA-351/316L AS PER SA-479
** GRADE CD3MN AS PER ASME SPEC SA-995 (UNS-J82205)
*** GRADE CD3MW/CuN AS PER ASME SPEC SA-995 (J 93380)
# GRADE ZERON 100 AS PER ASTM-479

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