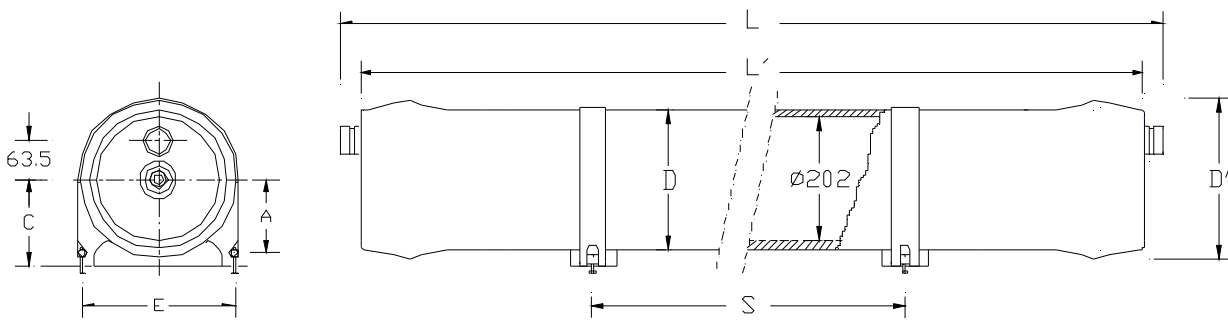


OI80

TECHNICAL DATASHEETS

OI8040Xb

MODELS OI8040Xb

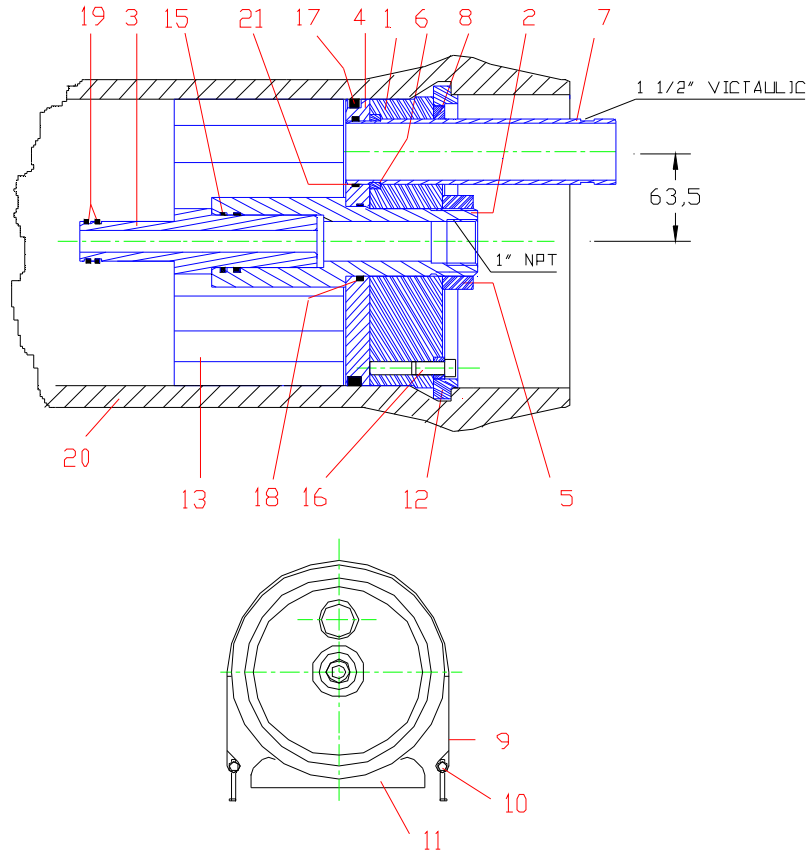


WORKING PRESSURE : 400 psi
 WORKING TEMPERATURE : -7 to 50°C

P	MEM	MODEL	L	L'	S	D	A	C	E	D'
4	1	OI80401b	1600	1512	864	216	115,4	118	220	241
	2	OI80402b	2616	2528	1422	216	115,4	118	220	241
	3	OI80403b	3632	3544	2032	216	115,4	118	220	241
	4	OI80404b	4648	4560	2642	216	115,4	118	220	241
	5	OI80405b	5664	5576	3251	216	115,4	118	220	241
p s i	6	OI80406b	6680	6592	3810	216	115,4	118	220	241
	7	OI80407b	7696	7608	3 supports	216	115,4	118	220	241
	8	OI80408b	8712	8624	3 supports	216	115,4	118	220	241

Vessels of 7 and 8 membranes are supplied with 3 supports, being centered one of them

PARTS LIST



ASSEMBLY DRAWING OI8040nb : 800001

REFER	CONCEPT	MATERIAL	QUANT	DRAW. (400psi)
1	Bearing Plate	Hard Anodiz Al 6061T6 or 6082 T6	2	800001/1
2	Outlet Adapter	PVC	2	800001/2
3	Membrane adapter	Thermoplastic (PET)	2	D/MODEL
4	Sealing Plate	PVC (grey)	2	801001/4
5	Port Nut	PVC	2	800000/5
6	Port Retainer Set	Stainless Steel 316L	2	800000/6
7	Feed Port	Stainless Steel 316L	2	800001/7
8	Securing Ring	Epoxy-Glass	2	800000/8
9/10	Strap	Stainless Steel 304	2	800000/9-10
11	Saddle	Polyurethane	2	800000/11
12	Locking Ring Set	Stainless Steel 316L	2	800000/12
13	Thrust Ring	Polyamide	1	800001/13
15	O-Ring 36	EPDM	4	800000/15
16	Securing Screw	St Steel DIN 912 M8 x 20	6	800000/16
17	Head seal	EPDM	2	800000/17
18	O-Ring 49	EPDM	2	800000/21
19	O-Ring 23.5	EPDM	4	800000/19
20	Shell	Roving-Epoxy	1	800001/20
21	O-ring 47	EPDM	2	800000/18

DESIGN SPECIFICATION

PRESSURE VESSEL 8" DIAMETER WORKING PRESSURE 400 psi (28 Kg/cm²)

1. Vessel will be built up following ASME Code Section X Class I cut filament winding. Assuring that all vessels manufactured are in accordance with the Procedure specification, ASME X and its Quality Manual.
Every vessel has its Manufacturer Data Report Certified as required by ASME X.

2. Manufacturer can supply next documentation with the vessels:
 - Operating and maintenance instructions.
 - Technical Guide of application.
 - Drawings.
 - Copy of Manufacturers Data Report.

3. Vessel is supplied complete, with closures, connections and fixing elements.
Membrane interconnectors are not included.

4. Vessel has enough diameter and length to contain the membrane elements for Reverse Osmosis procedure.
 - Standard membrane length :40"
 - Standard membrane diameter: 8"
 - Design pressure : 400 psi
 - Working pressure: 400 psi
 - Maximum Operating temp.: 122°F (50°C)
 - Minimum Operating temp.: 20°F (-7°C)

5. Materials will be as follows:
 - Shell: Glass fibre- epoxy resin
 - Head : - Bearing plate. Aluminum 6061 T6 or 6082 T6 Hard Anodized
 - Feed port: 316L

6. Shell will be made by cut filament winding.

7. Vessel in service will be free of forces, and external loads out of the Reverse Osmosis process.
Security valves are located on system, not in the vessel.

8. Closing heads will be in accordance with drawing 800001.

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