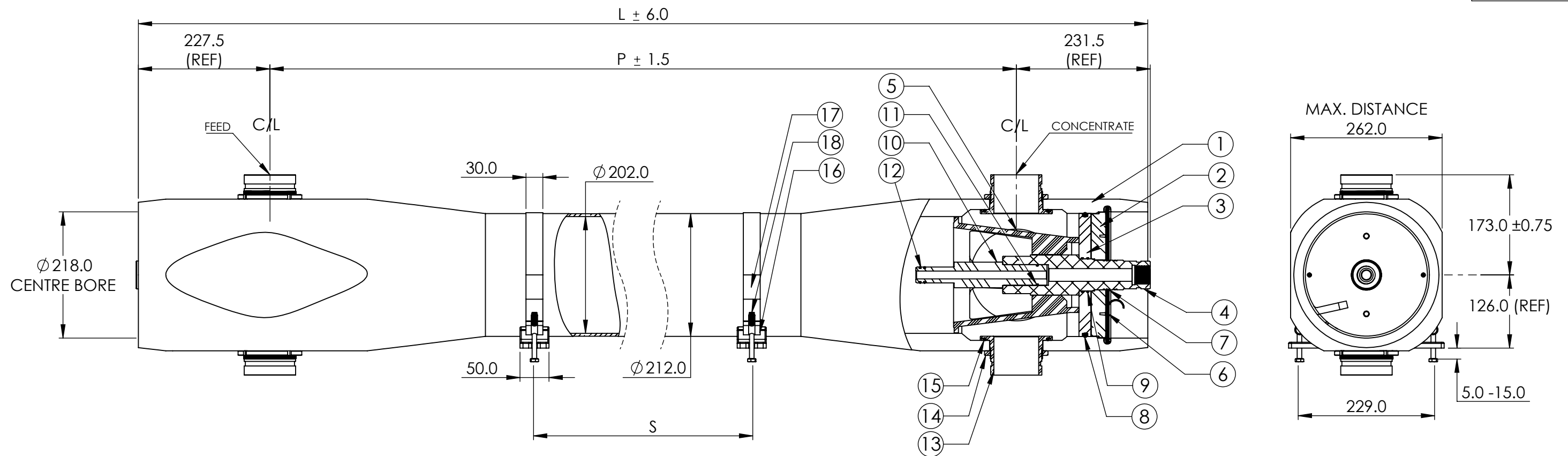


450 PSI



GENERAL DIMENSIONS				
Length (No. of Membranes)	P (mm)	L (mm)	S (mm)	Approx Empty Weight ⁽¹⁾ (kg)
1	1255	1710	1x381	48
2	2271	2726	1x1270	54
3	3287	3742	1x2032	61
4	4303	4758	2x1626	67
5	5319	5774	2x1981	73
6	6335	6790	2x2337	80
7	7351	7806	2x2692	86
8	8367	8822	2x3048	92

NOTES:
1. The weight will vary slightly depending on the configuration.

BILL OF MATERIALS				
ITEM	QTY	PART NO.	DESCRIPTION	MATERIAL
1	1	10104500	Shell	Filament Wound Fiberglass Reinforced Epoxy
2	2	31513000	Bearing Plate	6061-T6, Aluminium, Hard Anodised
3	2	32110000	Sealing Plate	Engineering Thermoplastic
4	2	33110010*	Permeate Port	Engineering Thermoplastic
5	1	35110000	Thrust Cone	Engineering Thermoplastic
6	2	41121801	Retaining Ring w/ Finger Pull	Stainless Steel, 316L
7	2	42105201	Retaining Ring, Permeate Port	Stainless Steel, 316L
8	2	51119021386	Head Seal	EPDM
9	4	51119005626	Permeate Port Seal	EPDM
10	2	A/R**	Adaptor	Engineering Thermoplastic
11	2	A/R**	Adaptor Seal	EPDM
12	4	A/R**	PWT Seal	EPDM
13	A/R	A/R	F/C Port	Stainless Steel, 316L
14	A/R	A/R	F/C Port Nut	Stainless Steel, 316L
15	A/R	A/R	F/C Port Seal	EPDM
16	2***	60100100	Support Saddle	Thermoplastic Rubber
17	2***	60100200	Strap Assembly	Stainless Steel, 304 / Rubber Cushion
18	4***	60100300	Strap Screw	Stainless Steel, A4

*1.5" grooved connection is provided as standard. Other connection types are available upon request.
 **The type of adaptor will depend on the model of the membrane that is to be used.
 † solid type adaptor is provided as standard.
 ***3 saddle assemblies, including 6 strap screws, are provided for lengths of 4 elements and larger.

Notes:

All dimensions in mm

Drawing for reference only, not for construction unless certified by ROShell

For vessel installation and maintenance please refer to ROShell user's manual

RS.80.0450 model available side port sizes:
1.5" / 2" / 2.5" / 3" / 4"

Internal permeate pressure must not exceed 125 psi

Design pressure: 450 psi

Design Temperature: Min. -7°C (20°F) / Max. 49°C (120°F)

For other temperatures out of this range contact ROShell

Hydrotest pressure: 450 x 1.1 psi



RS.80.0450

DRAWN BY: AA	RS.80.0450		
CHECKED BY: MR			
APPROVED BY: TR	DRAWING NO. 901002	REVISED 19/08/2025	REV R1