

# SS Membrane Housing

## Profile

We also can call Pressure vessel, UF membrane, NF membrane, RO membrane Inside. It can contain 1 to 4 RO elements as 4 inch membrane housing and 1 to 6 RO elements as 8 inch membrane housing usually External polishing as SS membrane housing

## Main parameter

Temperature: -5 --- 90°C  
 Max pressure: 2.0 - 2.5 Mpa  
 Operation pressure: 1.0 - 1.5 Mpa  
 Feed mode: End port entry( 4 inch); Side port entry( 8 inch)  
 Thickness: 1.5mm ( 4 inch); 3mm ( 8 inch)  
 Feed & Concentrate: 3/4" ( 4inch), 1 1/2" ( 8 inch); Permeate: 1/2" ( 4 inch), 1" ( 8 inch)

## Stainless Steel Advantage

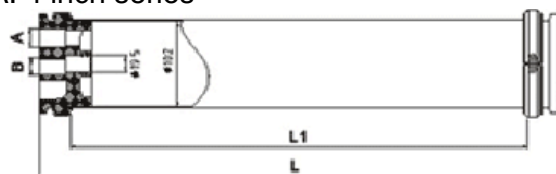
1. No seals involved in side port connections
2. Unlike fiberglass doesn't warp or weep
3. Is not affected by UV rays or sunlight
4. Stainless Steel is a preferred and universally accepted material for water systems
5. Can withstand high temperatures, up to 90°C
6. Capable of supporting process piping

## Materials of Construction

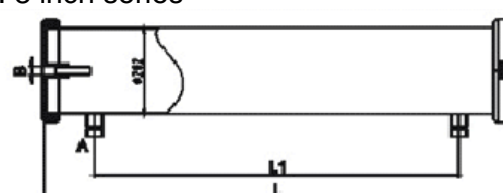
End cap ..... ABS ( 4 inch); SS304 or SS316L ( 8 inch)  
 Clamp ..... SS304( 4 inch); SS304 or SS316L( 8 inch)  
 Cap screws ..... SS304( 4 inch); SS304 or SS316L( 8 inch)  
 Support Staps ..... SS304  
 Mounting pads ..... Rubber  
 O-ring ..... EPDM  
 Housing body ..... SS304/SS316L  
 Permeate plug ..... ABS

## SS membrane housing Structure

A. 4 inch series



B. 8 inch series



## SS membrane housing dimension

Model	L	L1	A	B	Remark
4040-1	1087mm	1027mm	3/4"	1/2"	End port
4040-2	2103mm	2043mm	3/4"	1/2"	End port
4040-3	3119mm	3059mm	3/4"	1/2"	End port
4040-4	4135mm	4075mm	3/4"	1/2"	End port
8040-1	1308mm	1094mm	1 1/2"	1"	Side port
8040-2	2324mm	2110mm	1 1/2"	1"	Side port
8040-3	3340mm	3126mm	1 1/2"	1"	Side port
8040-4	4356mm	4142mm	1 1/2"	1"	Side port
8040-5	5372mm	5158mm	1 1/2"	1"	Side port
8040-6	6388mm	6174mm	1 1/2"	1"	Side port