



# HOUSING

# MEMBRANE

H40-300 | H40-1000 | H80-300 | H80-1000

# HOUSING MEMBRANE

Housing Membrane Hydropro provide long-term, trouble-free operation, with minimal down time and improve running costs. Manufactured for small to med size to large commercial size plants. There are variety of sizes that fit standard sized membranes offered by top membrane manufacturers. In addition we custom design vessels for high chemical resistance.

## FEATURES

- Easy installation and trouble-free maintainance
- Custom designed and configured to customer specifications
- Side port configuration
- 300 PSi & 1000 PSi

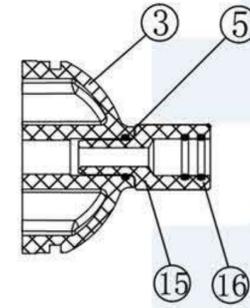
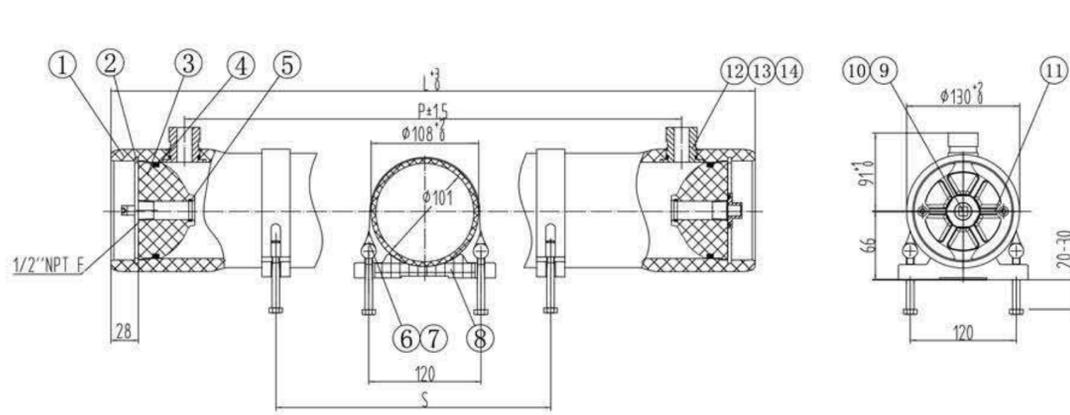
## APPLICATIONS

Hydropro Hpusing Membrane are engineered for permeate and feed/concentrate with variable port options, connection types and sizes. Our housing membrane are fully customizable. Our products use only high quality materials and reliable parts that undergo rigorous quality control standards.

HYDROPRO

# PRODUCT INFORMATION

## H40-300S



Ref.	Description	Part Number	Qty.	Material	Remark
1	Pressure Shell	See Selection Table	1	Epoxy FRP	White
2	Locking Crescent	H40L - 94 - 01	4	304SST	
3	End Plate	H40L - 12 - 01	2	ABS	
4	O-Ring	H40L - 58 - 01	2	EPDM	90*5.3
5	O-Ring	H40L - 59 - 01	2	EPDM	19*2.65
6	Strap	H40L - 02 - 01	2~3	304SST - Rubber	
7	Strap Screw	H40L - 83 - 01	4~6	304SST	M8*70
8	Saddle	H40L - 03 - 01	2~3	Rubber	
9	Plug	H40L - 04 - 01	1	ABS	
10	O-Ring	H40L - 53 - 01	1	EPDM	23.6x3.55
11	Locking Crescent Screw	H40L - 88 - 01	4	304SST	M6*10
12	Feed/Conc. Port	H40L - 91 - 01	2-4	316LSST	
13	O-Ring	H40L - 93 - 01	2-4	EPDM	28*2.65
14	Retaining Ring	H40L - 95 - 01	2-4	304SST	
15	Adapter	H40L - 101 - 01	2	ABS	
16	O-Ring	H40L - 59 - 01	4	EPDM	

Ref.	Part Number	L (MM)	P (MM)	S (MM)	Approx assembly weight (KG)
1	H4030S - 1	1140	996	600	7.6
2	H4030S - 2	2156	2012	1200	12.3
3	H4030S - 3	3172	3028	2200	17
4	H4030S - 4	4268	4112	1600x2	21.7
5	H4030S - 5	5284	5128	2300x2	26.4
6	H4030S - 6	6300	6144	2700x2	31.1

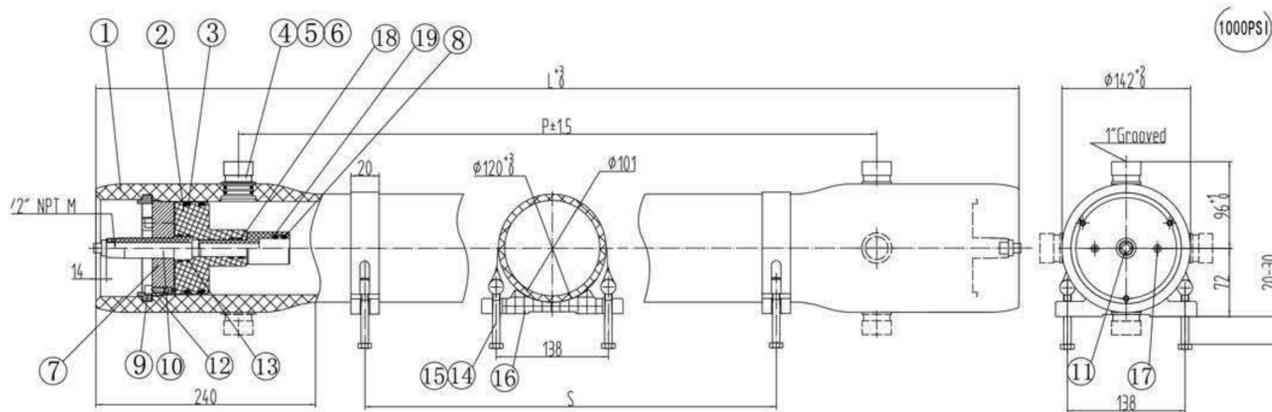
Design pressure: 300PSI (21 Bar)  
 Design temperature: 150°F (66°C)  
 Minimum temperature: 14°F (-10°C)  
 Working medium: Water, pH 3-11

- Please operate in accordance with User Guide
- Flexible piping should be used on permeate connection to mainfold
- Side port misalignmet can not exceed 0.7 mm in any direction
- Subject to change without prior notice

MEMBRANE

# PRODUCT INFORMATION

## H40-1000S



Ref.	Description	Part Number	Qty.	Material	Remark
1	Pressure Shell	See Selection Table	1	Epoxy FRP	White
2	Sealing Plate	H40H-21-01	2	ABS	
3	O-Ring	H40H-58-01	4	EPDM	90*5.3
4	O-Ring	H40H-70-01	4~8	EPDM	28.2*2.65
5	Retaining Ring	H40H-98-01	2~4	304SST	
6	Feed/Conc.Port	H40H-23-01	2~4	2205SST/2507SST	
7	Bearing Plate	H40H-22-01	2	Alluminium Alloy	
8	O-Ring	H40H-59-01	4	EPDM	19*2.65
9	Locking Kit Segment	H40H-95-01	6	316SST	
10	Permeate Port	H40H-09-01	2	ABS	
11	Plug	H40H-10-01	1	ABS	
12	Securing Screw	H40H-84-01	6	304SST	M6*10
13	O-Ring	H40H-61-01	4	EPDM	25*2.65
14	Strap	H40H-11-01	2~3	304SST - Rubber	
15	Strap Screw	H40H-83-01	4~6	304SST	M8*70
16	Saddle	H40H-03-01	2~3	Rubber	
17	Screw	H40H-85-01	2	304SST	M6*20
18	O-Ring	H40H-71-01	4	EPDM	17*2.65
19	Adapter	H40H-26-01	2	ABS	

Ref.	Part Number	L (MM)	P (MM)	S (MM)	Approx assembly weight (KG)
1	H401000S-1	1364	1036	600	17.63
2	H401000S-2	2380	2052	1200	23
3	H401000S-3	3396	3068	2200	29
4	H401000S-4	4412	4084	1600x2	35
5	H401000S-5	5428	5100	2300x2	41
6	H401000S-6	6444	6116	2700x2	47

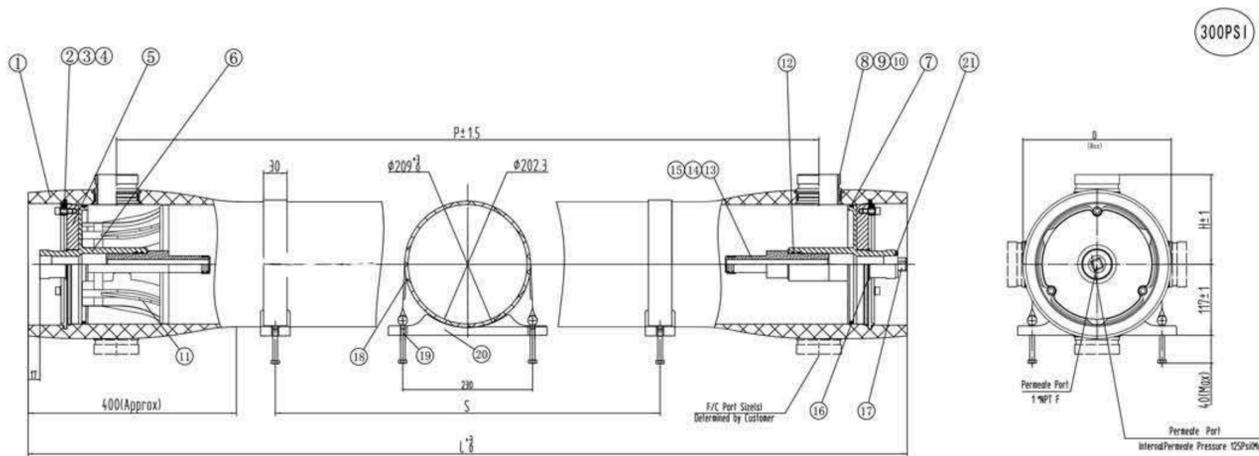
Design pressure: 1000PSI (69 Bar)  
 Design temperature: 150°F (66°C)  
 Minimum temperature: 14°F (-10°C)  
 Working medium: Water, pH 3-11

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HYDRORO

# PRODUCT INFORMATION

## H80-300S



Ref.	Description	Part Number	Qty.	Material	Remark
1	Pressure Shell	See Selection Table	1	Epoxy FRP	White
2	Locking Segment Screw	H80L - 81 - 01	6	304SST	M8x20
3	Spring Pad	H80L - 02 - 01	6	304SST	Ø8
4	Locking Kit Segment	H80L - 03 - 01	6	304SST	
5	Bearing Plate	H80L - 09 - 01	2	Alumunium Alloy	
6	Sealing Plate	H80L - 10 - 01	2	ABS	
7	O-Ring	H80L - 51 - 01	2	EPDM	187x7
8	Feed/Conc. Part	See Selection Table	2-8	316LSST	
9	Retaining Ring	See Selection Table	2-8	304SST	
10	O-Ring	See Selection Table	2-8	EPDM	
11	Thrust Ring	H80L - 08 - 02	1	ABS	
12	O-Ring	H80L - 52 - 01	4	EPDM	36.5x3.55
13	Adapter Pad	H80L - 15 - 01	2-6	ABS	
14	Adapter	H80L - 11 - 01	2	ABS	
15	O-Ring	H80L - 53 - 01	4	EPDM	23.6x2.65
16	Retaining Ring	H80L - 91 - 01	2	304SST	
17	Plug	H80L - 14 - 01	1	ABS	
18	Strap	H80L - 17 - 01	2-3	304SST -Rubber	
19	Strap Screw	H80L - 82 - 01	4-6	304SST	M8*90
20	Saddle	H80L - 16 - 01	2-3	Rubber	
21	O-Ring	H80L - 52 - 01	1	EPDM	36.5X3.55

Description	Part Number	Size	D (MM)	H (MM)	Remark
Feed/Conc.Part	H80L - 04 - 01	1.5"	243	148	
	H80L - 05 - 01	2"	244	151	
	H80L - 06 - 02	2.5"	247	153	
O-Ring	H80L - 54 - 01	1.5"			42.5X2.65
	H80L - 55 - 01	2"			54.5X2.65
	H80L - 56 - 01	2.5"			69X3.55
Retaining Ring	H80L - 91 - 01	1.5"			
	H80L - 92 - 01	2"			
	H80L - 93 - 01	2.5"			

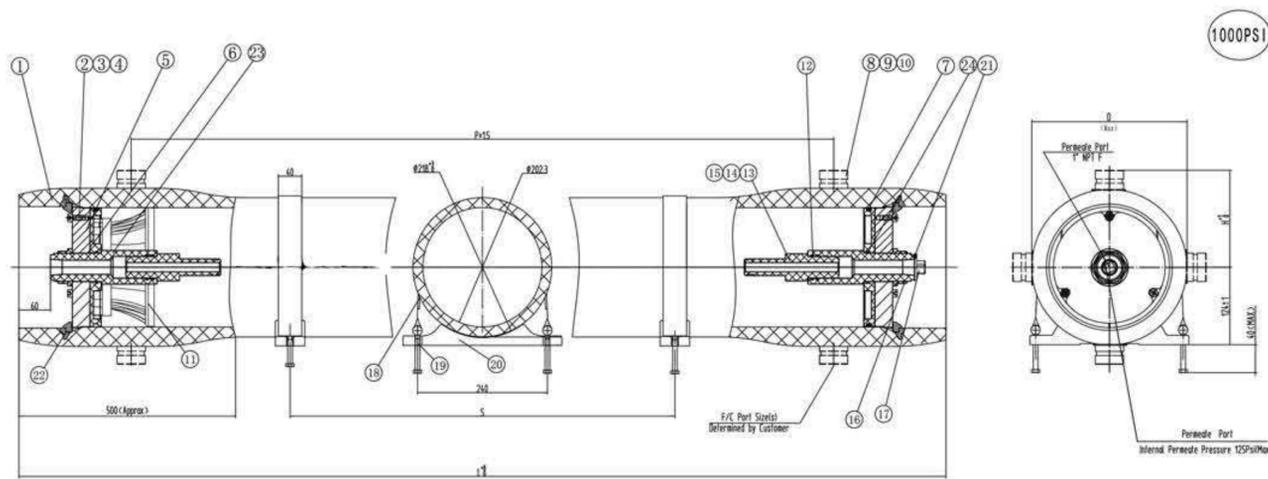
Ref.	Part Number	L (MM)	P (MM)	S (MM)	Approx assembly weight (KG)
1	H8030S-1	1494	1194	580	24
2	H8030S-2	2510	2210	1350	30
3	H8030S-3	3526	3226	2080	36
4	H8030S-4	4542	4242	1600x2	42
5	H8030S-5	5558	5258	2000x2	48
6	H8030S-6	6574	6274	2360x2	54
7	H8030S-7	7590	7290	2860x2	61
8	H8030S-8	8606	8306	3370x2	67

Design pressure: 300PSI (21 Bar)  
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# PRODUCT INFORMATION

## H80-1000S



Ref.	Description	Part Number	Qty.	Material	Remark
1	Pressure Shell	See Selection Table	1	Epoxy FRP	White
2	Locking Segment Screw	H80H - 81 - 01	6	304SST	M8x20
3	Spring Pad	H80H - 02 - 01	6	304SST	Ø8
4	Locking Kit Segment	H80H - 03 - 01	6	304SST	
5	Bearing Plate	H80H - 09 - 01	2	Alumunium Alloy	
6	Sealing Plate	H80H - 10 - 02	2	ABS	
7	O-Ring	H80H - 51 - 01	2	EPDM	187x7
8	Feed/Conc. Part	See Selection Table	2-4	2507SST	
9	Retaining Ring	See Selection Table	2-4	304SST	
10	O-Ring	See Selection Table	4-8	EPDM	
11	Thrust Ring	H80H - 08 - 02	1	ABS	
12	O-Ring	H80H -52 - 01	4	EPDM	36.5x3.55
13	Adapter Pad	H80H - 15 - 01	2-10	ABS	
14	Adapter	H80H - 11 - 01	2	ABS	
15	O-Ring	H80H - 53 - 01	4	EPDM	23.6x2.65
16	Nut	H80H - 11 - 150.2	2	ABS	
17	Plug	H80H - 14 - 01	1	ABS	
18	Strap	H80H - 17 -02	2-3	304SST -Rubber	
19	Strap Screw	H80H - 82 - 01	4-6	304SST	M8*90
20	Saddle	H80H - 16 - 01	2-3	Rubber	
21	O-Ring	H80H - 52 - 01	1	EPDM	36.5x3.55
22	Embedded Ring	H80H - 101 - 01	2	316LSST	
23	Permeate Port	H80H - 11 - 151	2	ABS	
24	O-Ring	H80H - 57 - 01	4	EPDM	47.5x3.55

Description	Part Number	Size	D (MM)	H (MM)	Remark
Feed/Conc.Part	H80H - 04 - 01	1.5"	243	148	
	H80H - 05 - 01	2"	244	151	
	H80H - 06 - 01	2.5"	247	153	
	H80H - 07 - 01	1.5"			42.5X2.65
O-Ring	H80H - 54 - 01	2"			54.5X2.65
	H80H - 55 - 01	2.5"			69X3.55
	H80H - 56 - 01	1.5"			
	H80H - 57 - 01	2"			
Retaining Ring	H80H - 91 - 01	2.5"			
	H80H - 92 - 01				
	H80H - 93 - 01				
	H80H - 94 - 01				

Ref.	Part Number	L (MM)	P (MM)	S (MM)	Approx assembly weight (KG)
1	H80100S-1	1582	1143	580	55
2	H80100S-2	2598	2159	1350	69
3	H80100S-3	3614	3175	2080	83
4	H80100S-4	4630	4191	1600x2	98
5	H80100S-5	5646	5207	2000x2	107
6	H80100S-6	6662	6223	2360x2	122
7	H80100S-7	7678	7239	2860x2	137
8	H80100S-8	8694	8255	3370x2	152

Design pressure: 1000PSI (69 Bar)  
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EYDOR