



## R80S-ABS CAP SERIES 8 INCH SIDE ENTRY MEMBRANE HOUSING

### MEMBRANE HOUSING DATASHEET

R80S150,R80S300,

#### General information

**ROHONE™** R80S300 ABS cap Series is membrane housing of 8" diameter with side entry. This is used for commercial, municipal and industrial RO applications. Vessel models are available up to a maximum operating pressure of 150 PSI, 300 PSI, with multi-ports connectivity.

These are made up of epoxy / glass composite to meet the demands of long term and continuous use in RO processes. Rohone R80S300 Series vessels can accommodate any standard 8" membrane element.

Standard element length = 40" long

#### CERTIFICATION:

- R80S coded: NSF certified, ISO 9001



Threaded side port; seal seating on side port

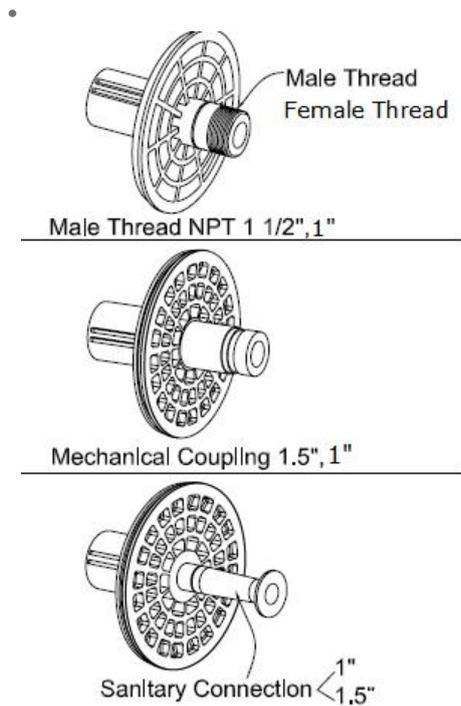
# Rohone® - ABS CAP R80S SERIES

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#### UNIQUE BENEFITS

- Integrally Wound Locking Groove: Integrally wound locking groove gives enhanced end margin strength for better performance
- Flexibility in permeate piping: Standard permeate ports can be customized, NPT, BSPP, UNION, .etc.
- Reduced system cost: Availability of Multiple Side port options for high flow rate cuts down the investments on expensive manifolds
- Ultrapure / Sanitary Applications: R80S ABS cap series can accommodate optionally a special designed sanitary connection for the coded models



#### UNITUE FEATURES

- Mirror Finish ID for easy & quick loading and unloading of membranes
- Multi-ports options available with 1.5", 2.0", 2.5"&3" diameter for connecting vessels to each other
- Quick lock head retention system for quick access to membranes
- Exteriors coated with high gloss paint for UV resistance
- **Lighter in weight, easier for installation**
- Compatible for using in all water type application
- Available in non-coded models, **cost saving**

#### Rohone® R80S ABS CAP SERIES SPECIFICATION\*

##### Un-Coded

MODEL	MAX OPERATION PRESSURE	MAX OPERATION TEMPRATURE	QUALIFICATION PRESSURE	ELEMENT LENGTH
R80S150-ABS	150 PSI /10 Bar	190°F / 88 °C	900PSI/62 Bar	1-8
R80S300-ABS	300 PSI /20 Bar	190°F / 88 °C	1800PSI/124 Bar	1-8

#### Test

**Burst Test :** 3-4 times of its design pressure.

**Cycle Test:** 100000 times.

**Hydraulic Test:** 100% quality assurance test with 1.2 times stage elevation.

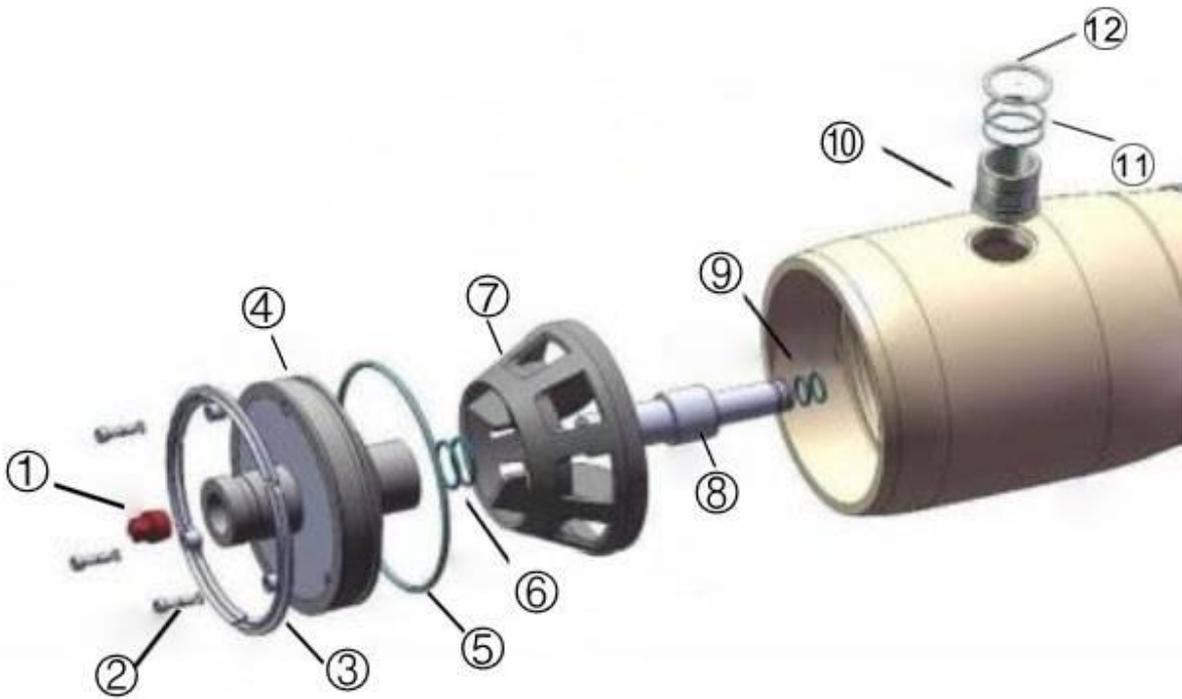
**Barcol Hardness Test:** Repeated once every 1.5 meters.

Test every membrane housing, not sampling.

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**EXPLODED VIEW&DETAILS(CODED MODELS)-GENERAL VIEW FOR VISUAL REFERENCE**



No.	QTY	DESCRIPTION	MATERIAL
1	1	Permeate port	ABS
2	2	Baffle Fixing Bolts	Stainless Steel SUS304
3	2	Link Stopper	Stainless Steel SUS304
4	AR	Head Seal	PF062-3/ABS
5	AR	Head Seal V Ring	EPDM 512
6	2	Head Seal O Ring	EPDM 512
7	2	Thrust Cone	PF062-3/Engineering Plastic
8	2	Adaptor	ABS
9		Adaptor O Ring	EPDM 512
10	2	Side Port	SUS304
11	2	Side Port Seal Ring	EPDM 512
12	2	Side Port Nut	SUS304