



E-mail : info@aquanomics.net

Website : www.aquanomics.co.in

Manufactured in the state-of-the-art manufacturing facility in India, the product is designed and engineered to severe operating conditions. The product is designed and engineered by water professionals and technologists who have been in the industry for more than two decades.

Aquanomics membrane housings are manufactured using finest quality raw materials. Each membrane housing is subjected to rigorous in-process quality inspection and hydro-testing before shipping.

FEATURES:

BENEFITS:

• Glossy ID finish.	• Prevents growth of organic matter and ease in loading and un-loading of Membrane.
• Precise bore diameter.	• Better membrane sealing and ease in loading and un-loading.
• Easy head locking system.	• Quick access to membranes and eliminates use of tools.
• Multi side porting option.	• Reduces investment on manifolds
• Head locking groove integrally wound	• Better strength
• Weeping at 4 times the design pressure.	• Fail safe shell, prevents catastrophic failure.

APPLICATION:

Water treatment plants, Waste water treatment, Food & beverage, Electronic Industries, Health care, Pharmaceutical Industry etc

POINT OF USE:

Desalination, Pre-Treatment, Ultra-pure water, Dialysis Machines etc

AVAILABLE:

- Complete range of 2.5", 4.0" & 8" diameter.
- End entry type & Side entry type.
- Operating pressures up to 1200 psi.
- 40" - one element long to eight elements long.
- Package option with Membranes, Victaulic coupling, pressure gauges etc.

FACTORY TEST CONDITION:

Hydro-Test Pressure 1.5 times the design operating pressure

Cycle Test 100,000 cycles.

Burst Test Pressure 6 times the design operating pressure

2.5" & 4.0" End Entry Membrane Housings

Model	Operating pressure	Max. operating temperature	Qualification burst pressure	Element Length
A2E250	250 psi / 17.2 bar	49°C / 120°F	1500 psi / 103.4 bar	1 - 3
A4E250	250 psi / 17.2 bar	49°C / 120°F	1500 psi / 103.4 bar	1 - 3
A4E400	400 psi / 27.5 bar	49°C / 120°F	2400 psi / 165.5 bar	1 - 3
A4E600	600 psi / 41.4 bar	49°C / 120°F	3600 psi / 248.2 bar	1 - 6

8.0" End Entry Membrane Housings

Model	Operating pressure	Max. operating temperature	Qualification burst pressure	Element Length
A8E300	300 psi / 20.7 bar	49°C / 120°F	1800 psi / 124.1 bar	1 - 8
A8E450	450 psi / 31.0 bar	49°C / 120°F	2700 psi / 186.1 bar	1 - 8
A8E600	600 psi / 41.4 bar	49°C / 120°F	3600 psi / 248.2 bar	1 - 8
A8E1000	1000 psi / 68.9 bar	49°C / 120°F	6000 psi / 413.7 bar	1 - 8
A8E1200	1200 psi / 82.7 bar	49°C / 120°F	7200 psi / 496.4 bar	1 - 8

8.0" Side Entry Membrane Housings

Model	Operating pressure	Max. operating temperature	Qualification burst pressure	Element Length
A8S300	300 psi / 20.7 bar	49°C / 120°F	1800 psi / 124.1 bar	1 - 8
A8S450	450 psi / 31.0 bar	49°C / 120°F	2700 psi / 186.1 bar	1 - 8
A8S600	600 psi / 41.4 bar	49°C / 120°F	3600 psi / 248.2 bar	1 - 8
A8S1000	1000 psi / 68.9 bar	49°C / 120°F	6000 psi / 413.7 bar	1 - 8
A8S1200	1200 psi / 82.7 bar	49°C / 120°F	7200 psi / 496.4 bar	1 - 8

NOTE:

- ASME stamped membrane housings available on request.
- Due to continuous developments, above specifications are subject to change without prior notice.