



RO PRESSURE VESSEL



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MADE IN INDIA

Built to maximize the performance of your water treatment and purification systems, DAX Pressure Vessels are the leading brand.

Continuous innovation and uncompromising reliability makes DAX Industries the most trusted name in membrane housings.

DAX RO Pressure Vessels are the ideal solution for a wide range of applications including:

- Desalination
- Municipal water treatment
- Power generation
- Food and beverage
- Ultra-pure water production
- Oil & Gas

SETTING QUALITY STANDARDS

DAX RO Pressure Vessels are manufactured using the highest grade raw materials, computer controlled precision machines, and adherence to international manufacturing standards.

Our rigorous quality inspection and hydro-testing before shipping each membrane housing demonstrates DAX Industries commitment to quality. With a Total Quality Management system that is certified according to ISO 9001:2015 depending on the model. DAX RO Pressure Vessels is being manufactured as per ASME Sec-X.

Continuous Innovation
An industry leader for more than 5 years. DAX continually raises the bar for system performance through advance engineering and expertise.

DAX RO Pressure Vessels are designed to meet the demands of cost effective, continuous, long term use of any type of commercial and industrial water processing.

The vessels are made up of fibre reinforced epoxyglass composites and can accomodate upto 7 membrane elements with a wide range of operating pressure at 300 psi, 450 psi, 600 psi & 1200 psi.

DAX RO Pressure Vessels are highly compatible for using in brackish, high brackish and seawater applications. Membrane housings with 8" and 4" diameter are most common in use throughout the world in various projects.



ENGINEERED TO MAXIMIZE SYSTEM PERFORMANCE



ONE PIECE HEAD

The single piece head for non-coded vessels results in fewer components and seals. This enables high operating temperatures, up to 190°F, for vessels up to 600 psi. The flexible design provides standard options of 1 inch FNPT or 1.5 inch threaded connections.



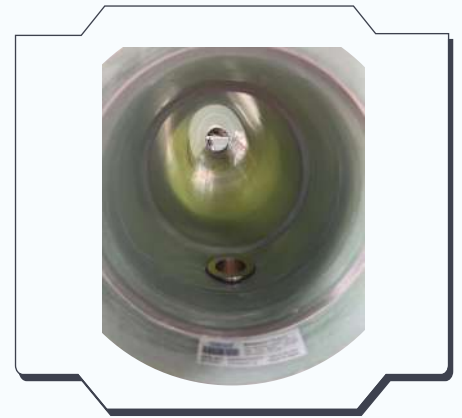
QUICK LOCK SYSTEM

The user friendly, quick lock head retention system allows easy access to the membranes. The single piece retention system does not require tools and is available for pressures up to 1200 psi.



FLAT SEALING

DAX, with its continuous innovation & precisely engineered design makes sealing in a circular vessel a reality. The result is reliable and superior sealing of the side-ports.



THREADED SIDE - PORT

IPS grooved side-ports are grooved into the vessel shell. Grooved port facilitates easy port and seal replacement in the field.



FAIL SAFE SHELL

The vessel is designed to weep, which prevents catastrophic failure. DAX vessels meet ASME Section X requirements, including the 6x safety factor.



MULTI-PORTING

Multi-porting for (1.5, 2.0, 2.5, 3.0) inch sizes eliminates costly manifolds and reduces the system's footprint.



INSTALLATIONS



SHARJAH



OMAN



DUBAI




ABUDHABI



AJMAN UAE

CUSTOMER REVIEW



اكوا لايف لتجارة معدات معالجة المياه وتنقيتهاش.ذ.م.م
AQUA LIFE WATER TREATMENT EQUIPMENT TRADING L.L.C.

Date -10.08.2021

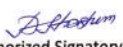
TO WHOMSOEVER IT MAY CONCERN

This is to certify that we are regularly using "DAX PRESSURE VESSELS" Manufactured by M/s.DAX INDUSTRIES - INDIA in our almost all desalination projects since 2020.


We have found that "DAX PRESSURE VESSELS" qualify on all standards maintained by our organization M/s. Aqua Life Water Treatment for all our plants.

We are extremely satisfied with service and supports of M/s. Dax Industries and would recommend the pressure vessels for BWRO/SWRO applications.

For,
Aqua Life Water Treatment



Authorized Signatory



Date -15.01.2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that we are regularly using "DAX PRESSURE VESSELS" Manufactured by M/s.DAX INDUSTRIES - INDIA in our almost all desalination projects since 2019.

We have found that "DAX PRESSURE VESSELS" qualify on all standards maintained by our organization M/s.ACQUA FILTRON EQUIPMENTS for all our plants.

We are extremely satisfied with service and supports of M/s. Dax Industries and would recommend the pressure vessels for BWRO/SWRO applications.

For,
ACQUA FILTRON EQUIPMENTS



Authorized Signatory



Date - 20.04.2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that we are regularly using "DAX PRESSURE VESSELS" Manufactured by M/s. DAX INDUSTRIES - INDIA in our almost all RO projects since 2017.

We have found that "DAX PRESSURE VESSELS" qualify on all standards maintained by our organization M/s. PURE N CURE TECHNOLOGY for all our plants.

We are extremely satisfied with service and supports of M/s. Dax Industries and would recommend the pressure vessels for BWRO/SWRO applications.

For,
M/s. PURE N CURE TECHNOLOGY



Authorized Signatory



Fidelis Aegis General Trading LLC

Date - 20.05.2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that we are regularly using "DAX PRESSURE VESSELS" Manufactured by M/s. DAX INDUSTRIES - INDIA since 2017 in all our desalination & RO related projects.

We have found that "DAX PRESSURE VESSELS" qualify on all standards maintained by our organization M/s. FIDELIS AEGIS GENERAL TRADING LLC - UAE for all our plants.

We are satisfied with performance, service and supports of M/s. Dax Industries and would recommend the pressure vessels for BWRO/SWRO applications.

For,
FIDELIS AEGIS GENERAL TRADING LLC



Authorized Signatory
Sanjay Allu
Branch Manager
FIDELIS AEGIS GENERAL TRADING LLC
Dubai - UAE




WATCO INDIA (P) LTD.
(A Complete Range in Water Treatment)
Manufacture of : Water Treatment Specialty Chemicals & Parts

Authorized Distributors of
Mr. Puritair Water (India) Pvt. L

DATE : 07-07-2022

TO WHOME SO EVER IT MAY CONCERN

This is to confirm that, we are regularly using DAX PRESSURE VESSELS manufactured by Ms. DAX Industries -India, in our R.O. projects since long time.

We have found DAX Pressure Vessel qualified on all our expectation.

We are extremely satisfied with quality, services and support of M/s. Dax Industries.

This product could be used for BW RO application.

Thanks
For Watco India Pvt.Ltd.



Authorized Signatory

ACCESSORIES



HEAD ASSEMBLY

Type – SidePort /EndPort
Pressure Rating – 300, 450, 600, 1000 & 1200 PSI



BEARING PLATE

Type – SidePort /EndPort
Pressure Rating – 300, 450, 600, 1000 & 1200 PSI
MOC – 6061-T6 As per SB-221



SEALING PLATE

Type – SidePort /EndPort
Pressure Rating – 300, 450, 600, 1000 & 1200 PSI
MOC – Engineering Thermoplastic



PERMEATE PORT

Pressure Rating – 300, 450, 600, 1000 & 1200 PSI
MOC – Engineering Thermoplastic
Thread Connection – 1" NPT Female



PORT NUT

MOC – Engineering Thermoplastic
Thread Connection – Left Hand Thread



FEED/CONC PORT (FC Port)

Type – EndPort
Pressure Rating – 300, 450, 600, 1000 & 1200 PSI
MOC – SS304, SS316, SS316L, Duplex, Super Duplex



PORT RETAINER SET

MOC – SS316 – Two piece set.



RETAINING RING

Type – Three turn finger pull
MOC – SS316



LOCKING SEGMENT

MOC – Ss316



SADDLE

MOC - Engineering Thermoplastic

ACCESSORIES



STRAP ASSEMBLY
MOC - SS316 with PVC cushion
BOLT - SS316 - M8/100



ADAPTER SET
MOC - Engineering Thermoplastic
With Adapter Seal, PWT Seal & Spacers



THRUST RING / CONE
MOC - Engineering Thermoplastic



MEMBRANE INTERCONNECTOR
MOC - Engineering Thermoplastic
With Connector seal



BRINE SEAL
MOC - Ethylene Propylene (EPDM)



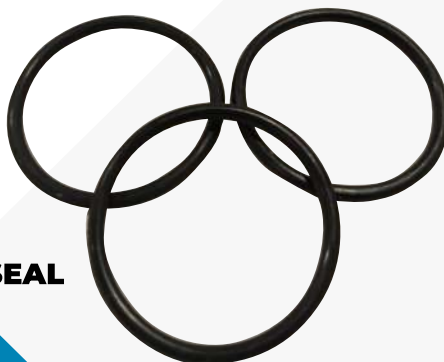
HEAD SEAL



SPACERS



FC FORT



ADAPTOR SEAL



PWT SEAL

4" End Entry Membrane Housings			
Model	Operating Pressure	Max. Operating Temperature	Element
40E300	300 psi / 20.7 bar	49 Deg / 120 F	1 - 6
40E450	450 psi / 31 bar	49 Deg / 120 F	1 - 6
40E600	600 psi / 41.4 bar	49 Deg / 120 F	1 - 6
40E1000	1000 psi / 68.9 bar	49 Deg / 120 F	1 - 6
40E1200	1200 psi / 82.7 bar	49 Deg / 120 F	1 - 6

4" Side Entry Membrane Housings			
Model	Operating Pressure	Max. Operating Temperature	Element
40S300	300 psi / 20.7 bar	49 Deg / 120 F	1 - 6
40S450	450 psi / 31 bar	49 Deg / 120 F	1 - 6
40S600	600 psi / 41.4 bar	49 Deg / 120 F	1 - 6
40S1000	1000 psi / 68.9 bar	49 Deg / 120 F	1 - 6
40S1200	1200 psi / 82.7 bar	49 Deg / 120 F	1 - 6

8" End Entry Membrane Housings			
Model	Operating Pressure	Max. Operating Temperature	Element
80E300	300 psi / 20.7 bar	49 Deg / 120 F	1 - 7
80E450	450 psi / 31 bar	49 Deg / 120 F	1 - 7
80E600	600 psi / 41.4 bar	49 Deg / 120 F	1 - 7
80E1000	1000 psi / 68.9 bar	49 Deg / 120 F	1 - 7
80E1200	1200 psi / 82.7 bar	49 Deg / 120 F	1 - 7

8" Side Entry Membrane Housings			
Model	Operating Pressure	Max. Operating Temperature	Element
80S300	300 psi / 20.7 bar	49 Deg / 120 F	1 - 7
80S450	450 psi / 31 bar	49 Deg / 120 F	1 - 7
80S600	600 psi / 41.4 bar	49 Deg / 120 F	1 - 7
80S1000	1000 psi / 68.9 bar	49 Deg / 120 F	1 - 7
80S1200	1200 psi / 82.7 bar	49 Deg / 120 F	1 - 7

Note:
 Designed as per ASME Standard.
 As we are continually developing the products, above specifications are subject to change without prior notice.

MADE IN INDIA

