

www.daxwater.com



4" & 8"
300 PSI - 1800 PSI



END PORT | SIDE PORT
MULTI PORT - UPTO 4"

CORPORATE OFFICE

202, Saraswati Niwas,
Near New English School,
Off. Ram Maruti Road, Naupada,
Thane (W) - 400 602.
Contact: +91 86557 44771
E: umesh@daxwater.com
E: gautam@daxwater.com

FACTORY ADDRESS

Shed -1, Jadhav Industrial Estate,
Mumbai - Nashik Highway,
Raigadnagar, Nashik - 422010
Contact: +91 84119 71314
E: rupesh.patil@daxwater.com
E: daxindustries.mail@gmail.com

UAE SALES OFFICE

Dax Middle East
BLA 321, 3rd Floor Boulevard,
Near Ajman City Centre,
Ajman, UAE.
Contact: +971 56 908 4045
E: shweta@daxwater.com

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, 1500 psi, 1800 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 1800 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, 4.0) inch sizes eliminates costly manifolds and reduces the system's footprint.



INSTALLATIONS



CUSTOMER REVIEW

اكو لايف لتجارة معدات معالجة المياه وتنقيتهاش.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

SPARK
FILTRATION MIDDLE EAST

Date: 09-05-2025

Ref: SI, Ref ID: / UAE, Daxi

To Whom It May Concern

This is to certify that: We have supplied DAX RO Pressure vessels to our client, **UAE Al Qasbiya Water Treatment plant located in Al-Qasbiya, Doha, Qatar, U.A.E.**

We hereby confirm that we have purchased Pressure vessels from Dax Water Tech Industries Pvt Ltd India - India.

Sl. No.	Product	Quantity
1	DAX RO PRESSURE VESSELS (30 MEMBRANE HOUSINGS), MODEL: DAX 805300-4 (4" - 400 PS - 4 dia long - 30 dia Port)	20 NOS

We wish to inform that the RO Pressure Vessels has been commissioned on September 2025 and we found the satisfactory performance till date.

Best Regards,
Sulaiman M. Al-Sayid
Manager - Admin
Spark Filtration Middle East FZC
M/s. sparkfiltration.com
M/S. SPARK

UAE Al Qasbiya Free Zone
P.O. Box: 10771
Doha, Qatar, U.A.E.

www.sparkfiltration.com

SOUTH WATER ALLIANCE PRIVATE LIMITED

Date: 12.05.2025

To Whom It May Concern

This is to certify that M/s. Dax Water Tech Industries Pvt Ltd - India has supplied RO Pressure Vessels to our 15 MLD Water Desalination Plant at Tuticorin, Tamil Nadu - India. PO Number: SWAP/312/514/2024-25 dated 01.12.2024. We wish to inform that the DAX RO Pressure Vessels has been erected and commissioned on November 2024 and Performance is found satisfactory till date.

For,
South Water Alliance Pvt Ltd

Authorized Signatory

Factory: SF No. 81711, Mullakkadu Village, Theerthavathi - 628 005, Phone: 0461-2245012
ST No. 33A/47/2005/102, CIN: U41007TN2011PT000000, Email: southwateralliance@gmail.com

AQUA PLUS
DESALINATION EQUIPMENT

To Whom It May Concern

This is to certify that M/s. Dax Water Tech Industries Pvt Ltd - India has supplied RO Vessels to our SWQEC Shuaiba (NOMAC) Desalination Plant at Kingdom of Saudi Arabia.

Sl. No.	Product	Quantity
1	DAX RO PRESSURE VESSELS (MEMBRANE HOUSINGS), MODEL - 805300-7 (4 Ports of 3")	200 NOS

We wish to inform you that the DAX RO Pressure Vessels has been erected and commissioned in June 2024, and we found satisfactory performance till date.

Reliability for Water Desalination

Authorized Signatory

M/s. AQUA PLUS

SBS
SBS WATER & INFRA PROJECTS PVT. LTD.

Date: 06.02.2024

TO WHOMSOEVER IT MAY CONCERN

This is to certify that we are regularly using DAX RO PRESSURE VESSELS Manufactured by M/s. DAX WATER TECH INDUSTRIES PVT LTD (Dax Industries) - INDIA for our RO SYSTEMS.

We have found that "DAX RO PRESSURE VESSELS" qualify on all standards maintained by our organization M/s. SBS WATER AND INFRA PROJECT PVT. LTD.

We are extremely satisfied with their Product in QUALITY, DELIVERY, SERVICE AND SUPPORT with Cost Effective. We would like recommend the Dax RO Pressure Vessels (Membrane Housing) for RO applications.

For,
SBS WATER AND INFRA PROJECT PVT. LTD.

Authorized Signatory

Plot No. 45, Opp. Bharat Weigh Bridge, Dehu Road, Talaswadi, Pune - 412 114.

WTE
WTE Infra Projects Pvt. Ltd.

Date: 11.01.2024

TO WHOMSOEVER IT MAY CONCERN

This is to certify that we are regularly using "DAX PRESSURE VESSELS" Manufactured by M/s. DAX INDUSTRIES - INDIA for RO SYSTEMS.

We have found that "DAX PRESSURE VESSELS" qualify on all standards maintained by our organization M/s. WTE INFRA PROJECTS PVT. LTD. in our plants.

We are extremely satisfied with QUALITY, DELIVERY, SERVICE AND SUPPORT of M/s. Dax Industries and We would like recommend the RO Pressure Vessels (Membrane Housing) for RO applications.

For,
WTE INFRA PROJECTS PVT. LTD.

Authorized Signatory

WTE Infra Projects Pvt. Ltd.

FA
FIDELIS AGES 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 AGES 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 AGES GENERAL TRADING LLC

Authorized Signatory
Sanjay Aliu
Branch Manager
FIDELIS AGES GENERAL TRADING
Dubai - UAE

PNC
Pure & Cure Technology

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

Celara
DESALINATION EQUIPMENT

Date: 03.02.2025

TO WHOMSOEVER IT MAY CONCERN

This is to certify that we are regularly using "DAX RO PRESSURE VESSELS" Manufactured by M/s. Dax Water Tech Industries Pvt. Ltd. - INDIA for our SW/BW RO SYSTEMS.

We have found that "DAX RO PRESSURE VESSELS" qualify on all standards maintained by our organization M/s. Celara Water Equipment Company LLC - UAE.

We are extremely satisfied with QUALITY, DELIVERY, SERVICE AND SUPPORT. We would like recommend the DAX RO Pressure Vessels (Membrane Housing) for RO applications.

For,
Celara Water Equipment Co. LLC.

Authorized Signatory

K-PRAX SYSTEMS PRIVATE LIMITED

Date: 16/06/2024

To: Dax Industries India, India

Subject: Recommendation for Supply of RO Spares and Pressure Vessels

We needed to take a moment to express our sincere appreciation for the great quality of the spares and pressure vessels that we have received from your company over the past several years. Your commitment to delivering products of the highest standard has truly made a positive impact on our operations.

We at K-Prax Systems strive to maintain the highest level of excellence in all aspects of our business and our partnership with Dax Industries has significantly contributed to our success. The quality and performance of these spares and pressure vessels have been consistent in the overall efficiency and reduced our waste.

We are pleased to inform you that the products we have received from your company have consistently met our requirements and have exceeded our expectations. The reliability and performance of these spares and pressure vessels have contributed to the overall efficiency and reduced our waste.

Due to the positive experience we have had working with your company, we are delighted to recommend your products to other customers seeking similar solutions. We believe that your commitment to excellence, along with the quality of your products, will continue to benefit your business.

Please feel free to share this letter as a reference with any prospective clients you may have. We are confident that they will find your products and services to be of the highest quality and value to them.

We look forward to continuing this successful collaboration for many years to come.

Sincerely,
Dax Industries India

Authorized Signatory

FILTRATE AQUAWORKS PTE LTD
Innovation in Sustainable Desalination

Date: 05.09.2024

To Whom It May Concern

This is to certify that M/s. Dax Water Tech - India has supplied RO Pressure Vessels Make - DAX to our Containerized Water Desalination plant - Singapore.

Sl.No	Product	Quantity
1	DAX RO PRESSURE VESSELS (MEMBRANE HOUSINGS), MODEL - 805300-6	6 Nos.
2	DAX RO PRESSURE VESSELS (MEMBRANE HOUSINGS), MODEL - 8051000-4	4 Nos.
3	DAX RO PRESSURE VESSELS (MEMBRANE HOUSINGS), MODEL - 40E1000-1	6 Nos.

We wish to inform that the RO Pressure Vessels has been erected and commissioned on February 2023. And Performance is found satisfactory till date.

For,
FILTRATE AQUAWORKS PTE LTD

Authorized Signatory

WATER
WATER TREATMENT EQUIPMENT

TO WHOMSOEVER IT MAY CONCERN

SL. NO.	ITEM	SUPPLIER	PLANT	QUANTITY
1	RO PRESSURE VESSELS (MEMBRANE HOUSINGS)	TURKEY	AFRICA	
2	RO PRESSURE VESSELS (MEMBRANE HOUSINGS)	INDIA	INDIA	
3	RO PRESSURE VESSELS (MEMBRANE HOUSINGS)	INDIA	INDIA	
4	RO PRESSURE VESSELS (MEMBRANE HOUSINGS)	INDIA	INDIA	
5	RO PRESSURE VESSELS (MEMBRANE HOUSINGS)	INDIA	INDIA	
6	RO PRESSURE VESSELS (MEMBRANE HOUSINGS)	INDIA	INDIA	
7	RO PRESSURE VESSELS (MEMBRANE HOUSINGS)	INDIA	INDIA	
8	RO PRESSURE VESSELS (MEMBRANE HOUSINGS)	INDIA	INDIA	
9	RO PRESSURE VESSELS (MEMBRANE HOUSINGS)	INDIA	INDIA	
10	RO PRESSURE VESSELS (MEMBRANE HOUSINGS)	INDIA	INDIA	
11	RO PRESSURE VESSELS (MEMBRANE HOUSINGS)	INDIA	INDIA	
12	RO PRESSURE VESSELS (MEMBRANE HOUSINGS)	INDIA	INDIA	
13	RO PRESSURE VESSELS (MEMBRANE HOUSINGS)	INDIA	INDIA	
14	RO PRESSURE VESSELS (MEMBRANE HOUSINGS)	INDIA	INDIA	
15	RO PRESSURE VESSELS (MEMBRANE HOUSINGS)	INDIA	INDIA	
16	RO PRESSURE VESSELS (MEMBRANE HOUSINGS)	INDIA	INDIA	
17	RO PRESSURE VESSELS (MEMBRANE HOUSINGS)	INDIA	INDIA	
18	RO PRESSURE VESSELS (MEMBRANE HOUSINGS)	INDIA	INDIA	
19	RO PRESSURE VESSELS (MEMBRANE HOUSINGS)	INDIA	INDIA	
20	RO PRESSURE VESSELS (MEMBRANE HOUSINGS)	INDIA	INDIA	

EASILY REPLACEABLE PRODUCTS FOR ALL THE WORLD RENOWNED BRANDS



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



PORT RETAINER SET

MOC – SS316 – Two piece set.



FEED/CONC PORT (FC Port)

Type – EndPort

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

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



LOCKING SEGMENT
MOC - SS316



BRINE SEAL
MOC - Ethylene Propylene (EPDM)



HEAD SEAL



RETAINING RING
Type - Three turn finger pull
MOC - SS316



SPACERS



FC FORT



PWT SEAL



ADAPTOR SEAL



SADDLE
MOC - Engineering Thermoplastic

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

WE ARE ALSO MANUFACTURING - 1500 PSI & 1800 PSI PRESSURE VESSELS

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

