

SEA WATER TREATMENT SYSTEMS BROCHURE 2023



ABOUT US

We offer our 20 years of sectoral experience and knowledge in water treatment methods and technologies to our valued customers under the brand DEEM AQUA with a professional team. We fulfill the demands and expectations in a timely and complete manner in the treatment of general use, waste and drinking water, and provide quality service to our domestic and foreign customers.



SEA WATER TREATMENT SYSTEMS

Sea water treatment systems can be applied for ships, boats, hotels and sites where there is no clean water source. Sea water sources vary according to the region where the source is located.



SEA WATER TREATMENT SYSTEMS

Treated sea water can be turned into;

- Drinking Water
- Potable Water
- Process Water
- Pure Water



DSRO M series seawater reverse osmosis systems can be used in treatment of sea water containing high salinity, with capacities ranging from 3 m³/day to 18 m³/day. DSRO M systems can be easily used in marine vehicles such as ships, boats, yachts where there is no different water source.

SYSTEM GENERAL SPECIFICATIONS

- * Epoxy painted ST37 Skid
- * PPRC low pressure piping
- * Flexible and SS 316 high pressure piping
- * Automation with electronic card
- * Float type flowmeter
- * High quality membrane and membrane pressure vessel
- * Sitem high pressure pump

SYSTEM OPTIONAL SPECIFICATIONS

- * SS 304 Skid
- * Duplex piping
- * Danfoss high pressure pump
- * PLC

SYSTEM DESIGN INFORMATION

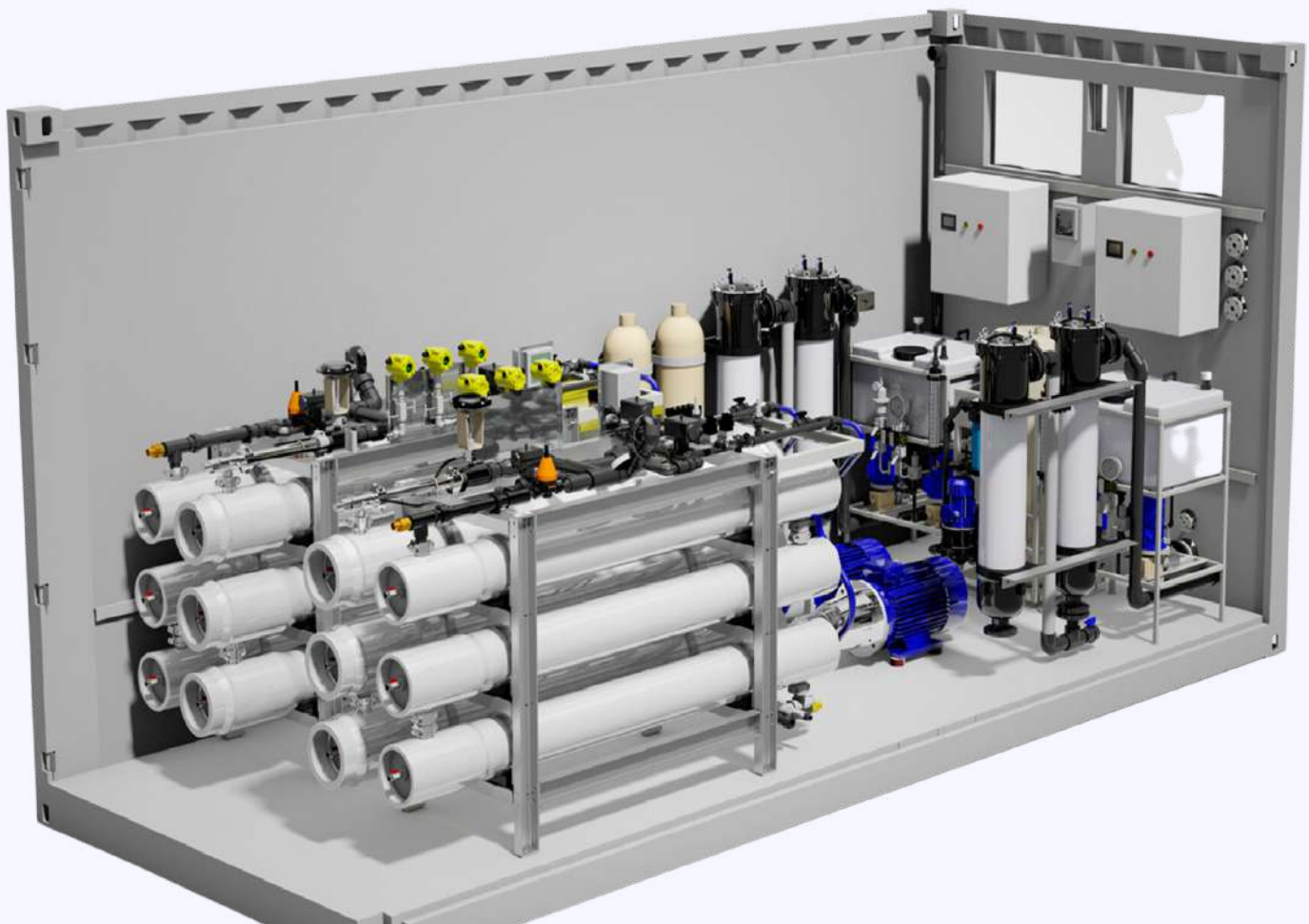
- * TDS < 38000 ppm
- * Ph: 6,5-8
- * SDI < 3
- * BOD, COD : None
- * Oil & Grease: None



STOCK CODE	MODEL	FEED FLOW (M3/D)	PERMEATE FLOW (M3/H)	PERMEATE FLOW (M3/D)	EFF. (%)	MEMBRANE TYPE	MEMBRANE QUANTITY	PUMP POWER (KW)	PRESSURE (BAR)
DS10042M	DSRO 42 M	30	0,25	6	20	4040	2	3	60
DS10044M	DSRO 44 M	60	0,50	12	20	4040	4	4	60
DS10046M	DSRO 46 M	72	0,75	18	25	4040	6	5,5	60
DS10048M	DSRO 48 M	96	1	24	25	4040	8	7,5	60

* Standard system designs are made considering TDS: 38000 ppm. It is recommended to provide raw water analysis prior to ordering the system, as changes in raw water criterias may alter the system design.

* Since the standard system design is made according to Sutem pump, ST 37 epoxy painted skid, electronic card automation and PPRC, flexible and SS 316 piping, different equipment choices may create price differences.



DSRO XL series seawater reverse osmosis systems, can be designed and produced from 75 m³/day to the desired capacity. DSRO XL series seawater reverse osmosis systems can be used to obtain drinking water, process water or utility water in hotels, sites, cargo , animal transport and energy ships where there is no sufficient clean water source.



SYSTEM GENERAL SPECIFICATIONS

- * Epoxy painted ST37 Skid
- * PPRC low pressure piping
- * Flexible and SS 316 high pressure piping
- * Automation with PLC
- * Float type flowmeter
- * High quality membrane and membrane pressure vessel
- * Danfoss high pressure pump

SYSTEM OPTIONAL SPECIFICATIONS

- * SS 304 Skid
- * Digital Flowmeter
- * Automatic CIP / Rinsing Unit

SYSTEM DESIGN INFORMATION

- * TDS < 38000 ppm
- * Ph: 6,5-8
- * SDI < 3
- * BOD, COD : None
- * Oil & Grease: None






STOCK CODE	MODEL	FEED FLOW (M3/D)	PERMEATE FLOW (M3/H)	PERMEATE FLOW (M3/D)	EFF. (%)	MEMBRANE TYPE	MEMBRANE QUANTITY	PUMP POWER (KW)	PRESSURE (BAR)
DS10002XL	DSRO 2 XL	120	5	30	30	8040	2	-	60
DS10003XL	DSRO 3 XL	150	6,25	45	30	8040	3	-	60
DS10004XL	DSRO 4 XL	170	7,08	60	35	8040	4	-	60
DS10006XL	DSRO 6 XL	265	11,04	90	35	8040	6	-	60
DS10008XL	DSRO 8 XL	300	12,50	120	40	8040	8	-	60
DS10012XL	DSRO 12 XL	435	18,25	175	40	8040	12	-	60
DS10015XL	DSRO 15 XL	500	24	200	40	8040	15	-	60
DS10018XL	DSRO 18 XL	687,5	28,65	270	45	8040	18	-	60
DS10024XL	DSRO 24 XL	800	33,33	360	45	8040	24	-	60
DS10030XL	DSRO 30 XL	1000	41,67	450	45	8040	30	-	60
DS10036XL	DSRO 36 XL	1200	50	540	45	8040	36	-	60
DS10042XL	DSRO 42 XL	1400	58,33	630	45	8040	42	-	60
DS10048XL	DSRO 48 XL	1611	67,13	725	45	8040	48	-	60
DS10054XL	DSRO 54 XL	1778	74,08	800	45	8040	54	-	60
DS10060XL	DSRO 60 XL	2000	83,33	900	45	8040	60	-	60
DS10072XL	DSRO 72 XL	2222	92,58	1000	45	8040	72	-	60


* Standard system designs are made considering TDS: 38000 ppm. It is recommended to provide raw water analysis prior to ordering the system, as changes in raw water criterias may alter the system design.




deemaqua 2023


DEEM AQUA SU ARITMA SİSTEMLERİ TİCARET A.Ş.

 Head Office: Salacak
Mah. Salacak
İskele Cad. No: 11
Üsküdar/İSTANBUL


 Production I
Warehouse: Yenişehir
Şevket Çelenk Cad.
No.1 Pendik/
İSTANBUL

 Project Office:
İçerenköy Mah. Prof
Dr. Necmettin
Erbakan Cad. No:97
D: 27 K:6 Ataşehir/
İSTANBUL

 Contact Office:: Cevizli
Mah. Zuhal Cad.
Ritim İstanbul Blok
No:44BH
Maltepe/İSTANBUL

 +90 216 706 76 46

 info@deemaqua.com.tr

 www.deemaqua.com.tr

 deemaqua
deemaquawatertreatment