

REVERSE OSMOSIS **TETRA SERIES**

One of the methods of purifying the high conductivity waters is the reverse osmosis system.

The systems working with reverse osmosis principle treat the water having high conductivity like seawater for domestic, commercial and industrial applications.



Aqualine Seawater Reverse Osmosis Systems are divided into two groups firstly;

- The systems without energy recovery.

The systems without energy recovery include only high pressure pump used to pressurize the water to required levels. This type of systems generally are built for capacities up to 100 m³/day

- The systems with energy recovery.

The systems with energy recovery are designed for capacities larger than 120 m³/day. Energy recovery devices are produced by a lot of companies. Although some of them give total solutions (high pressure pumps with energy recovery devices), the others only offer separate systems.

SEA WATER REVERSE OSMOSIS SYSTEMS

- Purifying the high conductivity waters that cannot be treated with standart brackish reverse osmosis systems,
- Producing low conductivity waters that cannot be treated with single pass brackish reverse osmosis systems,
- Treating concentrated streams,
- Dealing with special ion separations.

USAGE AREA

Aqualine Seawater Reverse Osmosis Systems are generally used for the treatment of sea water or high conductivity waters especially found near coastal areas. They are also used for ;

- For Boats and Ships which are generally far away from potable water resources for a long time,
- For places like hotels, apartments, houses which are far away from city water networks or which are in places having high potable water costs,
- For industrial places like factories, companies which are far away from city water networks or which are in places having high potable water costs,
- For places in offshore islands or for petrol stations in the middle of the sea,
- For military applications or naval forces' boats, ships.

REVERSE OSMOSIS TETRA SERIES

MODEL	CAPACITY @20C m³ / day	MEMBRANE SIZE	MEMBRANE QTY	FLUX lm²h	RECOVERY %	HIGH PRESSURE PUMP BRAND	ERD
Tetra PX 1280	180	8040	12	14 - 17	35 - 45	HPP: Grundfos, Fedco, Cat Pump	PX
Tetra PX 1580	225	8040	15	14 - 17	35 - 45	HPP: Grundfos, Fedco, Cat Pump	PX
Tetra PX 1880	270	8040	18	14 - 17	35 - 45	HPP: Grundfos, Fedco, Cat Pump	PX
Tetra PX 2480	360	8040	24	14 - 17	35 - 45	HPP: Grundfos, Fedco, Cat Pump	PX
Tetra PX 3080	450	8040	30	14 - 17	35 - 45	HPP: Grundfos, Fedco, Cat Pump	PX
Tetra PX 3680	540	8040	36	14 - 17	35 - 45	HPP: Grundfos, Fedco, Cat Pump	PX
Tetra PX 4280	630	8040	42	14 - 17	35 - 45	HPP: Grundfos, Fedco, Cat Pump	PX
Tetra PX 4880	720	8040	48	14 - 17	35 - 45	HPP: Grundfos, Fedco, Cat Pump	PX
Tetra PX 6080	900	8040	60	14 - 17	35 - 45	HPP: Grundfos, Fedco, Cat Pump	PX
Tetra PX 7880	1200	8040	78	14 - 17	35 - 45	HPP: Grundfos, Fedco, Cat Pump	PX
Tetra PX 9680	1500	8040	96	14 - 17	35 - 45	HPP: Grundfos, Fedco, Cat Pump	PX
Tetra Mini 140	3	4040	1	13 - 16	18 - 35	Danfoss APP	NO
Tetra Mini 240	6	4040	2	13 - 16	18 - 35	Danfoss APP	NO
Tetra Mini 340	9	4040	3	13 - 16	18 - 35	Danfoss APP	NO
Tetra Mini 440	12	4040	4	13 - 16	18 - 35	Danfoss APP	NO
Tetra APP 280	30	8040	2	13 - 16	20 - 40	Danfoss APP	NO
Tetra APP 380	45	8040	3	13 - 16	20 - 40	Danfoss APP	NO
Tetra APP 480	60	8040	4	13 - 16	20 - 40	Danfoss APP	NO
Tetra APP 680	90	8040	5	13 - 16	20 - 40	Danfoss APP	NO
Tetra SAL 880	120	8040	8	14 - 17	35 - 45	KSB	SALINO
Tetra SAL 1280	180	8040	12	14 - 17	35 - 45	KSB	SALINO
Tetra SAL 1580	225	8040	15	14 - 17	35 - 45	KSB	SALINO
Tetra SAL 1880	250	8040	18	14 - 17	35 - 45	KSB	SALINO
Tetra TC 680	90	8040	6	14 - 17	35 - 45	HPP: Fedco	TC: Fedco
Tetra TC 880	120	8040	8	14 - 17	35 - 45	HPP: Fedco	TC: Fedco
Tetra TC 1280	180	8040	12	14 - 17	35 - 45	HPP: Fedco	TC: Fedco
Tetra TC 1580	225	8040	15	14 - 17	35 - 45	HPP: Fedco	TC: Fedco
Tetra TC 1880	270	8040	18	14 - 17	35 - 45	HPP: Fedco	TC: Fedco
Tetra TC 2480	360	8040	24	14 - 17	35 - 45	HPP: Fedco	TC: Fedco
Tetra TC 3080	450	8040	30	14 - 17	35 - 45	HPP: Fedco	TC: Fedco