FLEXEON®

REVERSE OSMOSIS SYSTEMS

Engineered Water Treatment Solutions

AXEON®
WATER TECHNOLOGIES

FLEXEON®
REVERSE OSMOSIS SYSTEMS

FLEXEON Reverse Osmosis Systems

FLEXEON Reverse Osmosis (RO) Systems are designed and manufactured for commercial and light industrial applications. These systems have been engineered for capacities ranging from 500 – 20,000 gallons per day and for municipal and well water supplies. **FLEXEON RO Systems** come pre-assembled, are fully tested, preserved and sanitized and only require simple utility connections once on site. Systems come ready for immediate on-line service, minimal set up and little adjustment. The simple, high quality and proven design of **FLEXEON RO Systems** have made these systems become known as uncomplicated, cost effective and reliable water purification systems.

Model:	AT-500	AT-1000	BT-1500	BT-1800	BT-2000	CT-4000
Series:	AT-Series	AT-Series	BT-Series	BT-Series	BT-Series	CT-Series
Feed Water Source:	Municipal/Well	Municipal/Well	Municipal/Well	Municipal/Well	Municipal/Well	Municipal/Well
Production (GPD):	500	1000	1500	1800	2000	4000
Membrane Size:	HF1-2521	HF1-2521	HF1-2540	HF1-4040	HF1-2540	HF1-4040
Membrane Quantity:	2	3	2	1	3	2
Vessel Array:	1:1	1:1:1	1:1	1	1:1:1	1:1
Motor HP:	1/3	1/2	3/4	3/4	3/4	1-1/2
Standard Voltage:	110V	110V	110V	110V	110V	220V
Hertz:	60Hz	60Hz	60Hz	60Hz	60Hz	60Hz
Phase:	1 PH	1 PH	1 PH	1 PH	1 PH	1 PH
Standard Recovery:	26%	41%	41%	30%	63%	48%
Concentrate Recycle:	Optional	Optional	Optional	Standard	Optional	Optional
Feed Flush:	Optional	Optional	Optional	Optional	Optional	Optional
Feed I Product I Waste:	1", 3/8", 3/8"	1", 3/8", 3/8"	1", 3/8", 3/8"	1", 3/8", 3/8"	1", 3/8", 3/8"	1", 1", 1"
Unit Dimensions (inches): Length / Width / Height	14" x 23" x 27"	14" x 23" x 27"	19" x 23" x 46"	19" x 23" x 46"	19" x 23" x 46"	30" x 38" x 47"
Unit Weight (lb):	65	70	105	105	115	235

FLEXEON System Benefits and Highlights

- Space saving design
- Integrated pre-filtration
- Lightweight and non-corrosive aluminum frame
- AXEON membranes
- AXEON membrane housings
- AXEON gauges and flowmeters
- Numerous options and upgrades to suit most water treatment applications†
- Pre-configured packages for ease of ordering and stocking††

CT-7000
Reverse Osmosis System

FLEXEON Value Added

- 5-star technical and customer support before and after the sale
- Full documentation provided with every system manufactured
- Readily available replacement parts
- One-on-one applications engineering consultation

† *Please consult individual product specification sheets for more information on available options and upgrades.*

†† *Standard, Advanced and Premeir packages are available for systems up to 20,000 GPD.*

Model:	CT-5000	CT-7000	DT-10000	DT-15000	DT-20000
Series:	CT-Series	CT-Series	DT-Series	DT-Series	DT-Series
Feed Water Source:	Municipal/Well	Municipal/Well	Municipal/Well	Municipal/Well	Municipal/Well
Production (GPD):	5000	7000	10000	15000	20000
Membrane Size:	HF1-4040	HF1-4040	HF1-4040	HF1-4040	HF1-4040
Membrane Quantity:	3	4	6	8	10
Vessel Array:	1:1:1	1:1:1:1	2:2:2	2:2:2:2	2:2:2:2:2
Motor HP:	1-1/2	1-1/2	3	3	5
Standard Voltage:	220V	220V	220V	220V	220V
Hertz:	60Hz	60Hz	60Hz	60Hz	60Hz
Phase:	1 PH	1 PH	1 PH	1 PH	3 PH
Standard Recovery:	53%	62%	55%	55%	55%
Concentrate Recycle:	Optional	Optional	Optional	Optional	Optional
Feed Flush:	Optional	Optional	Standard	Standard	Standard
Feed I Product I Waste:	1", 1", 1"	1", 1", 1"	2", 1", 1"	2", 1", 1"	2", 1", 1"
Unit Dimensions (inches): Length / Width / Height	30" x 38" x 47"	30" x 38" x 47"	49" x 33" x 54"	55" x 33" x 54"	61" x 33" x 54"
Unit Weight (lb):	250	265	350	400	450

Pre-configured Options to Fit Most Applications

FLEXEON Reverse Osmosis Systems come standard with a wide range of features. There are numerous options and upgrades available to fit the requirements of a diverse range of water treatment applications. Listed below is a selection of descriptions for our most popular options and upgrades.

AXEON HF4 Extra Low Energy Membranes	100 psi nominal operating pressure for increased system efficiency and energy savings while offering a 98.5% salt rejection.
AXEON HF5 Ultra Low Energy Membranes	The only ultra low energy membrane in the industry, the HF5 offers superior energy savings with an ultra low operating pressure of 80 psi.
AXEON NF3 Nanofiltration Membranes	70 psi nominal operating pressure with a 40 – 50% salt rejection.
AXEON NF4 Nanofiltration Membranes	70 psi nominal operating pressure with a 80 – 90% salt rejection.
Stainless Steel Membrane Housings	304 Stainless Steel design that withstands various climate conditions and industrial use.
Fiberglass Membrane Housings	FRP construction which demonstrates higher resistance to varying feed water conditions and chemicals.
Concentrate Recycle	Allows for increased RO system efficiency by recycling back waste water into the feed stream and increasing the system recovery.
Blending Valve	Allows for a mixture of feed water into the final reverse osmosis product water to achieve a fine-tuned product TDS.
Dual TDS Controller	Allows for simultaneous monitoring of both the feed TDS and product TDS levels, helping to monitor the RO system salt rejection and membrane performance.
TDS/Conductivity Meter	Allows for the monitoring of the reverse osmosis product water TDS and conductivity levels; useful in evaluating overall system performance.
Stainless Steel Booster Pump	Offers a longer product lifespan and increased resistance to high TDS feed water and corrosive materials, such as dosing chemicals and antiscalants.
S150 Computer Controller	Allows for pre-treat lockout functionality, tank level input, TDS monitoring, feed flush, and features a convenient LCD display and alarm function.
Minitrol IF Computer Controller	Allows for pre-treat lockout functionality, tank level input, and features a convenient LED status display indicator for increased ease of use.
Permeate Sample Ports	Allows for evaluation of individual membrane performance in an RO system and aids in system troubleshooting and maintenance.
Chemical Pump Outlet	Provides an integrated power source with the RO system for connection of a chemical feed pump.
High Pressure Tank Switch	Automatically turns off the RO system at a pre-determined storage tank pressure.

AXEON® WATER TECHNOLOGIES

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