

# SISTEMAS DE OSMOSIS INVERSA DT

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**DT-Series Reverse Osmosis Systems** are designed for overall high performance, high recovery rates, minimal energy consumption and offer great savings with low maintenance and operation costs.

**DT-Series Reverse Osmosis Systems** feature a space saving expandable design, exceptional pre-filtration, quality components and allow for many options and upgrades to suit most applications.

**DT-Series Reverse Osmosis Systems** have been engineered for capacities ranging from 10000 – 20000 gallons per day.



**DT-20000**  
**Reverse Osmosis System**  
Front

## Benefits

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- ‡ Fully Equipped and Customizable
- ‡ Pre-Plumbed, Wired and Assembled
- ‡ Easy Maintenance and Servicing
- ‡ Expandable and Lightweight Design
- ‡ Factory Tested and Preserved
- ‡ CE Compliant†
- ‡ Compact Space Saving Design
- ‡ Low Operation Costs
- ‡ 1-Year Limited Warranty
- ‡ Components Easily Accessible
- ‡ Low Maintenance Costs
- ‡ Made in the U.S.A.

Engineered Water Treatment Solutions

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**BestAQUA**

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# DT-Series Reverse Osmosis Systems

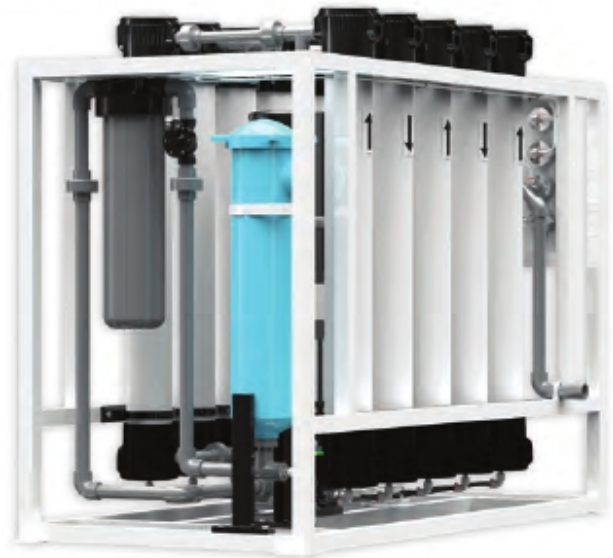
## Standard Features

- | S150 Computer Controller
  - LCD Backlit Display
  - Pre-Treatment Lockout
  - Tank Level Input
  - Low Pressure Monitoring and Alarm
  - Controller Permeate TDS Monitoring
  - Feed Flush
- | White Powder Coated Aluminum Frame
- | AXEON® 10 Micron Filter Bag
- | AXEON® Bag Filter Housing
- | AXEON® 5 Micron Sediment Pre-Filter
- | AXEON® by Pentek Single O-Ring Filter Housing
- | Goulds® Multi-Stage Booster Pump
- | AXEON® HF1 Low Energy Membranes
- | AXEON® PVC Membrane Housings
- | AXEON® Permeate Flow Meter
- | AXEON® Concentrate Flow Meter
- | Feed Low Pressure Switch
- | Feed Solenoid Valve
- | AXEON® 316 Stainless Steel Concentrate Valve
- | AXEON® 0-300 psi Pump Pressure Gauges
- | AXEON® 0-100 psi Pre-Filter Pressure Gauges
- | Single Wood Crate



Front

**DT-20000**  
Reverse Osmosis System



Back

## Options and Upgrades

- | AXEON® HF4 Extra Low Energy Membranes
- | AXEON® HF5 Ultra Low Energy Membranes
- | AXEON® NF3 Nanofiltration Membranes
- | AXEON® NF4 Nanofiltration Membranes
- | AXEON® Stainless Steel Membrane Housings
- | AXEON® Fiberglass Membrane Housings
- | Concentrate Recycle Valve with Flow Meter
- | Hanna® BL 981411 pH Controller
- | Hanna® BL 982411 ORP Controller
- | Goulds® Multi-Stage Stainless Steel Booster Pump
- | S150 Computer Controller Expander Board
- | S150 Computer Controller Feed TDS Monitoring
- | Pump Pressure Relief Valve†
- | High Pressure Tank Switch
- | Chemical Pump Outlet
- | Blending Valve
- | Permeate Sample Ports
- | Double Wood Crate

# DT-Series Reverse Osmosis Systems

## Specifications

Models	DT-10000	DT-15000	DT-20000
<b>Design</b>			
Configuration	SinglePass	SinglePass	SinglePass
FeedWaterSource***	TDS<2000ppm	TDS<2000ppm	TDS<2000ppm
StandardRecoveryRate†	55%	55%	55%
RecoverywithOptionalConcentrateRecycle	Upto75%	Upto75%	Upto75%
<b>RejectionandFlowRates</b>			
NominalSaltRejection%	98.5	98.5	98.5
PermeateFlow*gpm(lpm)	6.94(26.27)	10.42(39.44)	13.89(52.57)
MinimumFeedFlowgpm(lpm)	12.94(49.00)	16.42(62.1)	19.89(75.30)
MaximumFeedFlowgpm(lpm)	28.00(106.00)	28.00(106.00)	28.00(106.00)
MinimumConcentrateFlowgpm(lpm)	6.00(22.71)	6.00(22.71)	6.00(22.71)
<b>Connections</b>			
Feedinch	2FNPT	2FNPT	2FNPT
Permeateinch	1FNPT	1FNPT	1FNPT
Concentrateinch	1FNPT	1FNPT	1FNPT
<b>Membranes</b>			
Membrane(s)PerVessel	1	1	1
MembraneQuantity	6	8	10
MembraneSize	4040	4040	4040
<b>Vessels</b>			
VesselArray	2:2:2	2:2:2:2	2:2:2:2:2
VesselQuantity	6	8	10
<b>Pumps</b>			
PumpType	Multi-Stage	Multi-Stage	Multi-Stage
MotorHP	3	3	5
RPM@60(50Hz)	3450(2900)	3450(2900)	3450(2900)
<b>Electrical</b>			
StandardVoltage	220V,60HZ,1PH,16.9A	220V,60HZ,1PH,16.9A	220V,60HZ,3PH,14.7A
VoltageOptions	220V,50HZ,1PH,17.0A 220V,60HZ,3PH,8.1A 220V,50HZ,3PH,9.1A 380V,50HZ,1PH,5.3A 460V,60HZ,3PH,4.6A	220V,50HZ,1PH,17.0A 220V,60HZ,3PH,8.1A 220V,50HZ,3PH,9.1A 380V,50HZ,1PH,5.3A 460V,60HZ,3PH,4.6A	220V,50HZ,3PH,15.9A 380V,50HZ,1PH,8.5A 460V,60HZ,3PH,7.5A
<b>SystemsDimensions**</b>			
LxWxHinch(cm)	49X33X54(125X84X137)	55X33X54(140X84X137)	61X33X54(155X84X137)
Weightlb.(kg)	350(159)	400(181)	450(204)