

SISTEMAS DE ÓSMOSIS INVERSA CT

FX CT – Series Reverse Osmosis Systems are designed for high performance and are equipped with many standard features in a cost-efficient, compact design. **FX CT – Series Reverse Osmosis Systems** have been engineered for capacities ranging from 4,000 to 7,000 gallons per day. These models include a microprocessor controller with low-pressure monitoring and alarm, pre-treatment lockout, and tank level input. A TDS monitor, multi-stage booster pump, low energy membranes and three pre-filters are all part of the standard features. Upgrades such as feed flush and a concentrate recycle loop to increase recovery rates are also available.



CT – 7000
Reverse Osmosis System

Benefits

- Fully Equipped and Customizable
- Compact Space Saving Design
- Components Easily Accessible
- Pre-Plumbed, Wired and Assembled
- Factory Tested and Preserved
- Low Operation Costs
- Low Maintenance Costs
- Easy Maintenance and Servicing
- 1-Year Limited Warranty

Know Higher Standards™

Features

- Minitrol Computer Controller
 - Multi Color LED Indicator Status Light
 - Pre-Treatment Lockout
 - Tank Level Input
 - Low Pressure Monitoring and Alarm
- White Powder Coated Aluminum Frame
- AX 5 – Micron Sediment Pre-Filter
- AX 10 – Micron Carbon Block Pre-Filter
- AX 1 – Micron Sediment Pre-Filter
- AX by Pentek® Single O-Ring
- Filter Housings
- Goulds® Multi-Stage Booster Pump
- AX HF1 – Series Low Energy Membrane Elements
- AX PVC – Series Membrane Housings
- AX Permeate Flow Meter
- AX Concentrate Flow Meter
- Feed Low Pressure Switch 15 – 30 psi
- AX Composite Feed Solenoid Valve
- HM Digital™ PSC – 150 TDS/Conductivity Controller
- AX 316L Stainless Steel Concentrate Valve
- AX 0 – 300 psi Pump Pressure Gauges
- AX 0 – 300 psi Concentrate Pressure Gauge
- AX 0 – 100 psi Pre-Filter Pressure Gauges
- John Guest® Push/Pull Fittings with Locking Safety Clips

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Options

- AX HF4 – Series Extra Low Energy Membrane Elements
- AX HF5 – Series Ultra Low Energy Membrane Elements
- AX NF3 – Series Nanofiltration Membrane Elements
- AX NF4 – Series Nanofiltration Membrane Elements
- AX SS – Series Membrane Housings
- AX FRP – Series Membrane Housings
- Concentrate Recycle Valve with Flow Meter
- Goulds® Multi-Stage Stainless Steel Booster Pump
- Minitrol IF Computer Controller with Feed Flush
- S – 150 Computer Controller with Feed Flush and Dual TDS
- S – 150 Computer Controller Expander Board
- Pump Pressure Relief Valve
- High Pressure Tank Switch
- Chemical Pump Outlet
- Blending Valve
- Permeate Sample Ports
- Single Wooden Shipping Crate
- Double Wooden Shipping Crate

Product Specifications			
Models	CT-4000	CT-5000	CT-7000
Design			
Configuration	SinglePass	SinglePass	SinglePass
† FeedwaterSource	TDS<2,000ppm	TDS<2,000ppm	TDS<2,000ppm
StandardRecoveryRate%	48	53	62
RecoverywithConcentrateRecycle%	Upto75	Upto75	Upto75
RejectionandFlowRates			
NominalSaltRejection%	99	99	99
PermeateFlow(gpm/lpm)	2.78/10.52	3.47/13.14	4.86/18.40
MinimumFeedFlow(gpm/lpm)	5.78/21.00	6.47/24.50	7.86/29.80
MaximumFeedFlow(gpm/lpm)	14.00/53.00	14.00/53.00	14.00/53.00
MinimumConcentrateFlow(gpm/lpm)	3.00/11.36	3.00/11.36	3.00/11.36
Connections			
Feed(in)	1FNPT	1FNPT	1FNPT
Permeate(in)	1FNPT	1FNPT	1FNPT
Concentrate(in)	1FNPT	1FNPT	1FNPT
Membranes			
Membrane(s)PerVessel	1	1	1
MembraneQuantity	2	3	4
MembraneSize	4040	4040	4040
Vessels			
VesselArray	1:1	1:1:1	1:1:1:1
VesselQuantity	2	3	4
Pumps			
PumpType	Multi-Stage	Multi-Stage	Multi-Stage
MotorHP	1.5	1.5	1.5
RPM@60Hz(50Hz)	3450(2900)	3450(2900)	3450(2900)
SystemElectrical			
StandardVoltage+AmpDraw	220V.60Hz.1PH.8.3A**	220V.60Hz.1PH.8.3A**	220V.60Hz.1PH.8.3A**
MaximumFeedTemperature(° F/° C)	85/29	MaximumTurbidity(NTU)	1
MinimumFeedTemperature(° F/° C)	40/4	MaximumFreeChlorine(ppm)	0
MaximumAmbientTemperature(° F/° C)	120/49	MaximumTDS(ppm)	2000
MinimumAmbientTemperature(° F/° C)	40/4	MaximumHardness(gpg)	0
MaximumFeedPressure(psi/bar)	85/6	MaximumpH(Continuous)	11
MinimumFeedPressure(psi/bar)	45/3	MinimumpH(Continuous)	2
† MaximumOperatingPressure(psi/bar)	150/10	MaximumpH(Cleaning30Minutes)	13
† MaximumFeedSiltDensityIndex(SDI)	<3	MinimumpH(Cleaning30Minutes)	1

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