

# **OPS175CR/5 SYSTEM**

# REVERSE OSMOSIS SYSTEM WITH STORAGE TANK

System:

- OPS175CR/5: 164-01405 Replacement Cartridges:

- CTO-Q10: 300-05828
- AMS-QT15: 204-52820
- CTO-Q10CR: 300-05821
- ILMA-10.14: 252-70255



### **INSTALLATION TIPS**

- Feed water connection to system should be COLD only. Tempered water up to 80° F (26.6°C) can be used.
- Do not exceed system specifications for temperature and pressure.
- Provide a dedicated feed water supply with a 1/2" FPT valve.
- For use with steam generation only. Do not use for condensate or wash-water.

### **APPLICATIONS**

- Combi Ovens
- Steamers

## **FEATURES • BENEFITS**

- Significantly reduces scale and corrosion problems related to high TDS, water hardness and chlorides
- Ideal for combi and steam oven applications where mineral reduction is necessary to meet manufacturer's warranty requirements
- Integrated mineral-addition cartridge provides TDS needed for conductivity sensors and optimal mineral content for steam equipment applications
- High capacity pre-filter protects the membrane against damage from sediment and chlorine
- Operating pressure gauge allows visual monitoring of system production and pre-filter condition
- Plumbed-in post filter reduces chloramine

- Proofers
- Sealed hydropneumatic storage tank provides needed capacity and delivers pressurized water to downstream equipment.
- Optimized water line to equipment is ½" I.D. hose. A ¾" Garden Hose Thread (GHT) connector is provided for connection to equipment when applicable.
- Integrated system bypass valve reduces costly service interruptions and down-time
- Compact, modular design utilizes installation under counters and in tight spaces
- Non-electric design operates on available water pressure
- Simple, easy-to-install and service design
- Allow 3" clearance below system for filter cartridge removal and replacement.
- Detailed, illustrated installation guide is included with each system.

#### SIZING

- Drain Connection: 2.0 gpm Minimum Flow
- Storage Tank Capacity: 5gals.

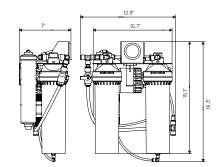
#### **OPERATION TIPS**

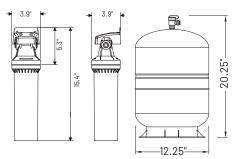
- Change cartridges on a regular six (6) month preventative maintenance program.
- Change cartridges when capacity is reached or when flow becomes too slow.
- Membrane life varies depending on feed water conditions and pre-filter maintenance. It is recommended to replace the membrane every 18 months.
- Always flush the filter cartridge at time of installation and cartridge change.

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The contaminants or other substances removed or reduced by this drinking water system are not necessarily in your water. Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

Since the conditions under which our products may be used are beyond our control, we cannot accept any liability with respect to the improper installation, application and/or use of our products.

For Pentair® Everpure® Product Warranties visit: http://pentair.com/assets/foodservice-warranty



#### SPECIFICATIONS

- Service Flow Rate
   Dependent on water level / pressure
   in storage tank
- Daily Production Rate
   175 gpd (633 Lpd) at 77°F (25°C),
   60 psi (3.5 bar) feed water pressure.
   Production will vary based on water
   supply temperature, and pressure
   and desired blended TDS setting.
- Drain Connection Minimum 2.0 gpm (7.6 Lpm)
- Storage Tank Capacity 5 gallons (18.9 L)
- Pressure Requirements
   60 85 psi (3.5 5.9 bar), non-shock
- Inlet Water Temperature 40 – 100°F (4 – 38°C)
- Overall Dimensions
   Processor:

   16.3" H x 12.9" W x 7" D
   41.4 cm x 32.7 cm x 17.8 cm
   Post Filter:
   15.4" H x 3.9" W x 3.9" D
   39.1 cm x 9.9 cm x 9.9 cm
   Tank:
   20.25" H x 12.25" dia.
   51.44 cm x 31.12 cm

**Options** 

Model	Description	Part No		
PRV	Pressure Reducing Valve	164-89938		
BPS100	Booster Pump Assy	164-85010		
Air-Gap Kit	Air-Gap Approved for Drain	164-89905		

- Inlet Connection
   3/8" Push Fit Tubing
- Outlet Connection
   1/2" I.D. hose
- Shipping Weight 34 lbs (15.42 kgs)
- Electrical Connection None required

#### Feed Water Chemistry

Feed TDS	Up to 1200 ppm	
Feed pH	6–10 units	
Hardness*	12 grains or less	
Free Chlorine	<2 mg/L	
Iron	0.1 mg/L max	
Turbidity	0.50 NTU	
Manganese	0.05 mg/L max	
Hydrogen Sulfide	0.00 mg/L	
* For water outside of t Pentair Customer Ser		

**Replacement Media** 

Model	Qty	Description	Part No
CTO-Q10	1	Pre-Filter	300-05828
AMS-QT15	1	Membrane	204-52820
ILMA-10.14	1	Mineral Addition	252-70255
CTO-Q10CR	1	Post-Filter	300-05821

It is recommended that pre/post-filters and mineral addition cartridges are changed every six (6) months, when capacity is reached or when feed water pressure or flow becomes inadequate.

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