

## Snapshot

The OptiPure BWS-QT is a line-pressure Blended Water System that utilizes Advanced Membrane Separation (AMS) membrane that removes 97% of the total dissolved solids (TDS) and blends it with filtered and ScaleX2 treated water at a user determined level. This system produces up to 350 gallons per day (1/4 gpm) of optimal quality water for applications where TDS reduction and the removal of the majority of hardness minerals is required. The System includes integrated particulate and chlorine reduction pre-filtration and the AMS Processor in a space saving, wall-mount design. Included with the System is a 50 gallon atmospheric storage tank with a top-mounted, variable speed repressurization pump. Installation and connection hose, tubing and fittings are included.

## System Benefits

- Virtually eliminates scale & corrosion problems related to high TDS & water hardness.
- Maximizes equipment operating and energy efficiency.
- Provides water with the ideal properties for steam cooking equipment and espresso machines.
- High performance, high-capacity prefiltration protects membranes and reduces filter replacement frequency.
- Precision Blending Valve allows the user to accurately and precisely blend a small amount of filtered and ScaleX2 treated water with the RO product water.
- Includes digital before and after TDS meter for push-button monitoring of system performance and water quality.
- Powder-coated steel mounting bracket and full-flow inlet shut-off valve makes installation simple.
- Built-in pressure gauge allows visual monitoring of operating pressure.
- Inlet shut-off and depressurization valves make changing the prefilters quick and simple.
- Emergency ByPass Valve allows the user to quickly and easily switch from Optimized Water to filtered and ScaleX2 treated water bypassing the AMS-QT RO membrane.
- All consumables are easy-to-change Qwik-Twist cartridges.
- Simple, easy-to-service and maintain design.

ITEM #: \_\_\_\_\_ QTY: \_\_\_\_\_

JOB NAME/NUMBER \_\_\_\_\_

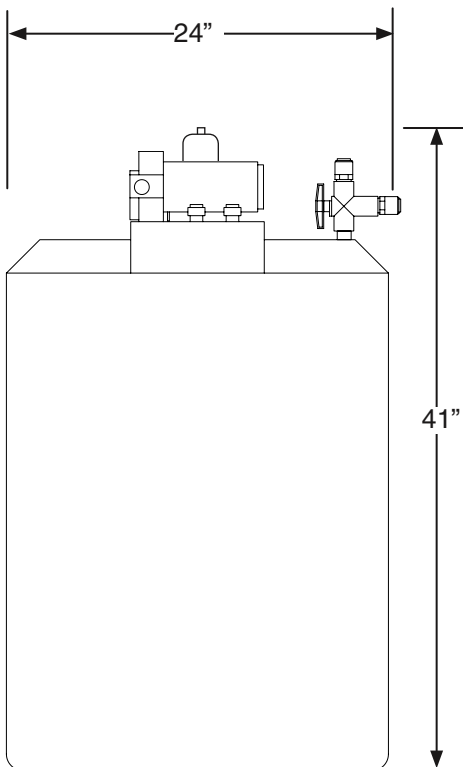
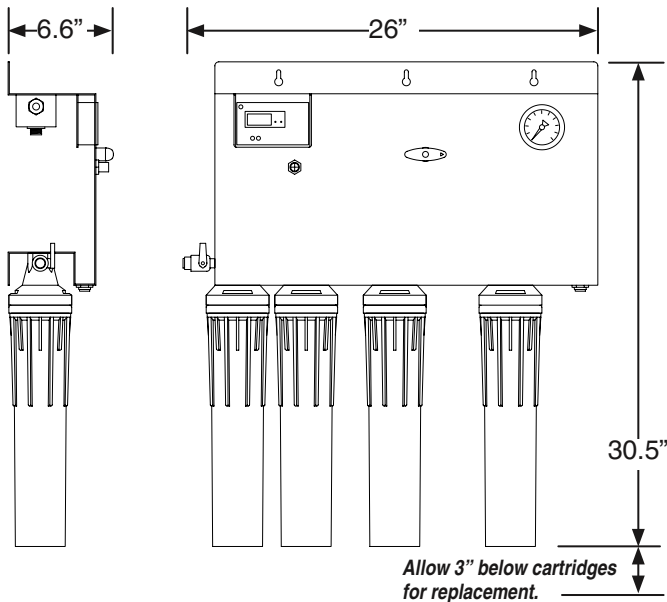


## Application

Provides ideal water for any foodservice application where high quality water with no scaling tendencies is desired; or where high TDS or improper mineral balance is a problem.

## Installation Tips

- Feed-water connection to system should be COLD only.
- Do not exceed system specifications for temperature and pressure.
- Allow 3" clearance below system for filter cartridge removal and replacement.
- Connect filtered water line to ice and steam production connections only. Do not use for condenser water.
- Detailed installation, operation & maintenance manual is included with each system.
- No activation procedure is required for system to perform as specified.



#### Feed-Water Chemistry

|                  |                   |
|------------------|-------------------|
| Feed TDS         | Up to 1200 ppm    |
| Feed pH          | 6-10              |
| Hardness*        | 28 grains or less |
| Free Chlorine    | <2 mg/l           |
| Iron             | 0.1 mg/l max      |
| Turbidity        | 0.05 NTU          |
| Manganese        | 0.05 mg/l max     |
| Hydrogen Sulfide | 0.0 mg/l          |

\*For water outside of these parameters call OptiPure technical service.

## Specifications

| System   |                      |  |
|--|----------------------|--|
| Dimensions   | Processor Tank       | 30.5"hx26"wx6.6"d<br>41"hx24"dia.        |
| Connection - Feedwater   |                      | 3/8" Push Fit Tubing                     |
| Operating Pressure Range   |                      | 50-85 psi at 1 gpm<br>(3.5 -5.9 bar)     |
| Inlet Water Temperature Range  |                      | 40° -100° F<br>(4° -38° C)               |
| Shipping Weight  |                      | 100 lbs.                                 |
| Power Requirements (Within 5' of unit)   | Processor<br>RP Pump | 120V 6W 60Hz<br>120V 2A 60Hz             |
| Drain Connection (Within 5' of unit)   |                      | 2 GPM Minimum Flow                       |
| Performance  |                      |  |
| Typical TDS* Rejection   |                      | 97+%                                     |
| Production (at 77°F, 60psi)  |                      | 350 gals/day<br>14.6 gals/hr<br>0.25 gpm |
| <i>Production rate is strictly dependent on feed water temperature and pressure.</i> |                      |  |
| Repressurization Pump (Self-priming)   |                      | 0.25-2.75gpm at<br>50 psi                |

## Replacement Media

| Description   | Part Number | Qty |
|---------------|-------------|-----|
| PreFilters    | 300-05830   | 2   |
| ScaleX2       | 300-05860   | 1   |
| AMS Membranes | 204-53040   | 1   |

It is recommended that PreFilters be changed every 3-6 months, when capacity is reached or when feedwater pressure or flow becomes inadequate. Change the ScaleX2 Cartridge Annually. Membrane life varies depending on feedwater conditions and PreFilter maintenance. 12-18 months would be normal but it can be as long as 3-5 years.

This product is for commercial use only and must be installed and maintained according to manufacturers guidelines.

Do not use on water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

## Warranty

Systems have a 1 year warranty against defects in material and workmanship. For complete warranty information contact OptiPure customer service or go to the OptiPure website.

### Mfg. by Procaml Controls, Inc.

2605 Technology Dr., Bldg 300 Plano, TX 75074

p: 972.881.9797; f: 972.422.6262

e: info@optipure.net

[www.optipurewater.com](http://www.optipurewater.com)

Dealer/Distributor Info: