



EVERPURE® MRS-350BL REVERSE OSMOSIS SYSTEM

CONFIGURABLE SYSTEM THAT DELIVERS REVERSE OSMOSIS WATER FOR MULTIPLE FOODSERVICE APPLICATIONS

MRS-350BL System: EV9970-20, EV9970-35, EV9970-36

Pre-Filter Kit: EV9795-81

7TO-BW Cartridge: EV9627-04

MR-350 Cartridge: EV9627-07

BW 4400 Cartridge: EV9668-24

P5 Cartridge: EV9109-08

APPLICATIONS

Foodservice

Coffee, Espresso, Steam, Reconstitution,
Ice and Multiple Applications

Flash Steamers, Conventional Steamers,
Cheese Melters, Combi Ovens

FEATURES • BENEFITS



The BL Series features an adjustable blend valve, which allows custom tailoring of the dissolved mineral content in the treated water. With this feature a controlled amount of raw water is mixed with the reverse osmosis water to create a blend containing the desired level of TDS (Total Dissolved Solids). After blending, the water passes through a sub-micron carbon filter. This final filtration step removes tastes and odors, and ensures delivery of ingredient quality water

Reduces limescale buildup that can cause excessive machine downtime and increased maintenance costs - plus, scale reduction reduces energy costs

Sanitary cartridge replacement is simple, quick and clean - internal filter parts are never exposed to handling or contamination

Reduces chlorine taste and odor and other offensive contaminants that can adversely affect taste of water and beverages

Wall-mount design allows flexible installation

INSTALLATION TIPS

Proper pre-treatment is required to control RO Cartridge (membrane) scale formation and/or fouling.

Contact Pentair Technical Service for pre-treatment recommendations.

Choose a mounting location capable of safely supporting the full weight of the system when in operation.

Never use saddle valve for connection.

Use 3/8" (9.5 mm) minimum water line.

Water inlet must supply a minimum of 1 gpm (3.8 Lpm).

Install vertically with cartridges hanging down and allow 3" (7.6 cm) on all four sides of unit for cover removal and service access.

The product water tubing/piping and associated fittings connecting the RO product outlet to the equipment being serviced should be suitable for use with high purity water.

OPERATION TIPS

Change filter cartridges on a regular six (6) month preventative maintenance program.

Change RO cartridges on a regular two (2) year preventative maintenance program.

Change cartridges when capacity is reached.

Always flush the filter cartridge at time of installation and cartridge change.

Everpure offers a full line of water storage tanks. See "ROmate Storage Tanks" specification sheet or contact your Everpure sales representative for more information.

Refer to Installation, Operation & Maintenance Manual for cartridge flushing and RO startup.

Deliming of existing water using equipment is recommended.

SIZING

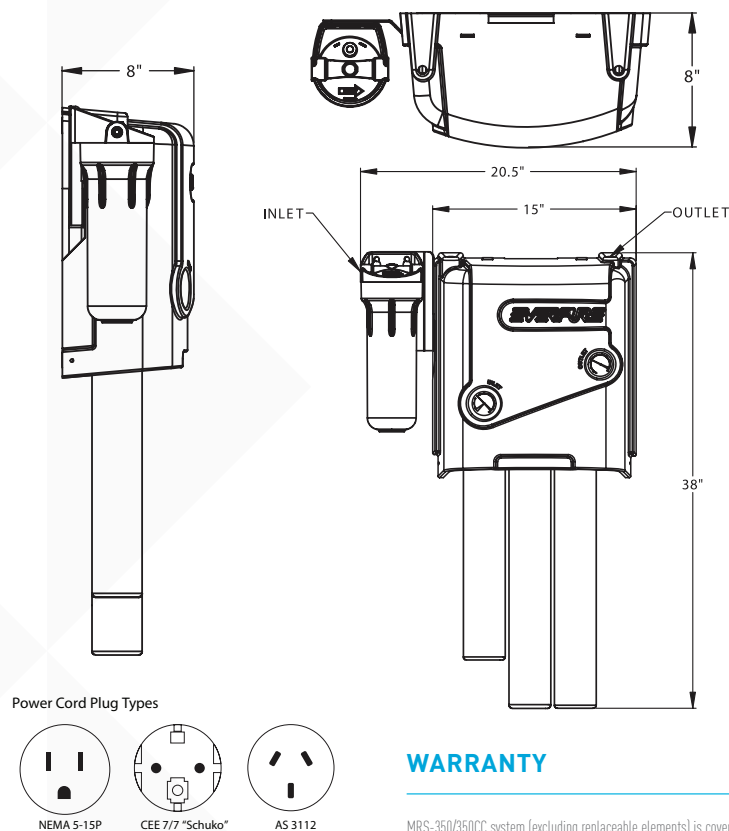
Daily Production Rate:
350 gpd (1,325 Lpd) nominal

Service Flow Rate: Dependant on water pressure in storage tank and line size(s) to equipment.

Operating Pressure Requirements:
25 - 80 psi (1.72 - 5.52 bar), non-shock

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MRS-350BL



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.



FILTRATION & PROCESSING SOLUTIONS

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SPECIFICATIONS

Service Flow Rate

Dependant on water pressure in storage tank and line size(s) to equipment.

Operating Pressure Requirements

25 - 80 psi (1.72 - 5.52 bar), non-shock

Maximum Static Pressure Requirements

100 psi (6.89 bar), non-shock

Available Voltages & Power Cord Types

EV9970-20: 115 VAC/60 Hz NEMA 5-15P
EV9970-35: 230 VAC/50 Hz CEE 7/7 "Schuko"
EV9970-36: 240 VAC/50 Hz AS 3112

Minimum Water Supply 1 gpm (3.8 Lpm)

Inlet Temperature 40 - 100°F (4.4 - 38°C)

Overall Dimensions

38" H x 15" W x 8" D (96.5 x 38.1 x 20.3 cm)
[20.5" W (52 cm) with Pre-filter]
Add 3" (7.6 cm) on all 4 sides for access.

Inlet and Outlet Connection

3/8" OD tube connection

Wastewater Line Connection

1/4" OD tube connection

Daily Production Rate

350 gpd (1,325 Lpd) nominal (plus tap water addition for processor with blend) Total daily production rate will vary based on tap water TDS, RO percent rejection and desired blend water TDS. Contact Pentair for assistance estimating this total.

Inlet TDS 1,500 ppm max. recommended

Operating Weight

35 lbs (15.9 kgs) (system only)