

# EVERPURE® MRS-600HE HIGH EFFICIENCY RO SYSTEM

HIGH OUTPUT/HIGH EFFICIENCY CONFIGURABLE SYSTEM THAT DELIVERS RO AND BLENDED FILTERED WATER FOR MULTIPLE FOODSERVICE APPLICATIONS

## MRS-600HE System:

EV9970-38; EV9970-44; EV9970-47; EV9970-50  
 MR-600 Cartridge EV9627-13  
 2SR-BW Cartridge EV9627-14  
 GS-215RO-H In-line Filter EV9627-15



## APPLICATIONS

Mineral Reduction System For Foodservice Applications Including Coffee Brewers, Espresso, Steamers, Combi Ovens, and Ice

Ideal For Specialty Coffee

## FEATURES • BENEFITS

The tailored blending process removes just the right amount of dissolved solids from the incoming tap water to achieve the desired final water quality

With the average recovery of 78%, the MRS-600HE system only disposes approximately 1/4 cup of water for each cup of water dispensed

High recovery reverse osmosis technology yields significant savings in water and sewer charges with a minimal environmental footprint

Requires less than 50% of the electrical energy typically consumed by conventional reverse osmosis systems

On board storage tank provides ample reserve capacity for most applications - For increased reserve capacity, Pentair offers a complete line of storage tanks  
 Reduces limescale buildup that can cause excessive machine downtime and increased maintenance costs  
 Reduces chlorine taste and odor and other contaminants that can adversely affect the taste of water and beverages

## INSTALLATION TIPS

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

Deliming of existing water using equipment is recommended.  
 Never use saddle valve for connection.

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

Install vertically with cartridges hanging down and allow 3" (76 mm) on all four (4) 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 one year preventative maintenance program.  
 Change cartridges when capacity is reached.

Always flush the filter cartridge at time of installation and cartridge change.  
 Refer to Installation, Operation & Maintenance Manual for cartridge flushing and RO startup.

## SIZING

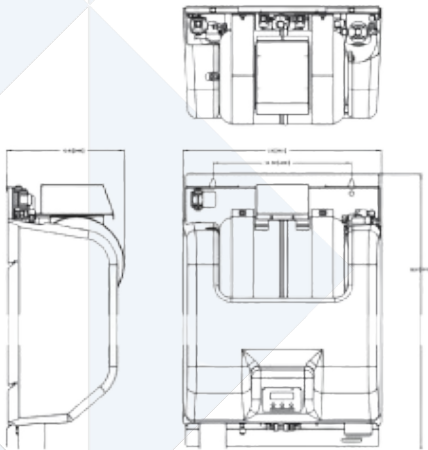
The water inlet must supply a minimum of 1.5 gpm (5.7 Lpm)

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

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## MRS-600HE

### SPECIFICATIONS



#### Daily Production Rate

600 gpd (2,271 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 Everpure for assistance estimating this total.

#### 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  
Pressure below 50 psi (3.45 bar) may affect blend system performance.

#### Minimum Static Pressure Requirements

100 psi (6.89 bar), non-shock

#### Minimum Water Supply

1.5 gpm (5.7 Lpm)

#### Temperature

40 – 100°F (4.4 – 38°C)

#### Overall Dimensions

32" H x 23" W x 13.6" D (81.3 x 58.4 x 34.5 cm)  
Add 3" (7.6 cm) on all 4 sides for cover removal and service access.

#### Inlet/Outlet/Wastewater Line Connection

3/8" OD tube connection

**Inlet TDS** 1,000 ppm max. recommended

#### Available Voltages & Power Cord Types

EV9970-38: 115 VAC/60 Hz NEMA 5-15P Plug

EV9970-44: 220 VAC/ 50 Hz GB 2099 Plug

EV9970-47: 230 VAC/50 Hz Schuko CEE 7/7 Plug

EV9970-50: 240 VAC/50 Hz AS 3112 Plug

#### Shipping Weight

85 lbs (38.6 kgs)

#### Operating Weight

90 lbs (40.8 kgs) (not including external storage tanks)

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.

### WARRANTY

MRS-600HE system (excluding replaceable elements) is covered by a limited warranty against defects in material and workmanship for a period of one year after the date of purchase.

Everpure water treatment systems by Pentair® (excluding replaceable elements) are covered by a limited warranty against defects in material and workmanship for a period of five years after date of purchase. Everpure replaceable elements (filter cartridges and water treatment cartridges) are covered by a limited warranty against defects in material and workmanship for a period of one year after date of purchase. See printed warranty for details. Pentair will provide a copy of the warranty upon request.



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