

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: EV9970-47



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 ¼ 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.
- ◆ Delimiting of existing water using equipment is recommended.
- ◆ Never use saddle valve for connection.
- ◆ Use 9.5 mm minimum water line.
- ◆ Install vertically with cartridges hanging down and allow 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

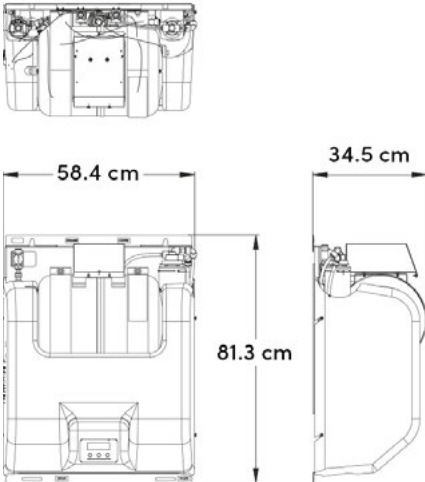
- ◆ Change filter cartridges on a regular six (6) month preventative maintenance program.
- ◆ Change RO cartridges on a regular one year preventative maintenance program.
- ◆ Change cartridges when capacity is reached.
- ◆ Always flush the filter cartridge at time of installation and cartridge change.
- ◆ Refer to Installation, Operation & Maintenance Manual for cartridge flushing and RO startup.

SIZING

- ◆ The water inlet must supply a minimum of 5.7 Lpm.
- ◆ Service Flow Rate: Dependant on water pressure in storage tank and line size(s) to equipment.

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SPECIFICATIONS

- ◆ **Daily Production Rate**
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**
1.72 - 5.52 bar, non-shock
Pressure below 3.45 bar may affect blend system performance.
- ◆ **Minimum Static Pressure Requirements**
6.89 bar, non-shock.
- ◆ **Minimum Water Supply**
5.7 Lpm
- ◆ **Temperature**
4.4 - 38°C
- ◆ **Overall Dimensions**
81.3 cm H x 58.4 cm L x 34.5 cm P
Add 7.6 cm on all 4 sides for cover removal and service access.
- ◆ **Inlet TDS**
1,000 ppm max. recommended
- ◆ **Available Voltages & Power Cord Types**
EV9970-47:
230 VAC/50 Hz Schuko CEE
7/7 Plug
- ◆ **Shipping Weight**
38.6 kg
- ◆ **Operating Weight**
40.8 kg (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.