IoT-enabled system that delivers filtered RO blended water for multiple foodservice applications

APPLICATIONS
- Mineral Reduction System for Foodservice Applications, Including: Coffee Brewers, Espresso, Steamers, Combi Ovens, and Ice
- Ideal for: Chain Food & Beverage Retailers, Specialty Coffee and Institutional Foodservice

SYSTEM DETAILS
- Conserv HE-3 System: EV9977-50
- MR-600F Cartridge: EV9627-22
- SEN+ Cartridge: EV9692-66
- SEN Cartridge: EV9692-65
EVERPURE® CONSERV™ HE-3 HIGH EFFICIENCY REVERSE OSMOSIS SYSTEM

EV9977-50

FEATURES • BENEFITS

◆ System Tested and Certified by NSF International against NSF/ANSI Standard 58 for the reduction of Total Dissolved Solids (TDS); and NSF/ANSI Standards 42 and 53 for the reduction of Chlorine Taste & Odor, and Cyst
◆ Expandable to meet higher water demands of up to 880 gallons, providing sufficient capacity to serve multiple applications
◆ The tailored blending process removes just the right amount of dissolved solids from the incoming tap water to achieve the desired final water quality
◆ High recovery reverse osmosis technology yields significant savings in water and sewer charges with a minimal environmental footprint

REMOTE MONITORING TECHNOLOGY

◆ Exclusive Pentair remote monitoring technology enables real-time online performance monitoring of installed systems. This can help improve response to water changes and reduce equipment downtime through preventative maintenance.
◆ Historical and real-time data visualization of, and ability to set email and text alerts for:
  - Inlet/Outlet/RO Pressure
  - Cartridge Life
  - Inlet/ROB TDS
  - Lockout
  - Inlet/Outlet Flow
  - Pressure Drop
  - Rejection
  - Flow Total
  - RO Life
  - Tank Fill
  - Tank/RO Pump Error
  - Low/No Flow Warning (Only for Pentair Everpure E-30C Softener System)

INSTALLATION TIPS

◆ Choose a mounting location capable of safely supporting the full weight of the system when in operation.
◆ Delimiting all existing water using equipment is recommended. Never use saddle valve for connection.
◆ Use 1/2” (12.7 mm) minimum water line.
◆ Install vertically with cartridges hanging down and allow 2” (50 mm) on all 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 served should be suitable for use with high purity water.
◆ Monitor connected via ethernet wire

OPERATION TIPS

◆ Change filter cartridges on a regular one (1) year preventative maintenance program.
◆ Change RO cartridges on a regular one (1) year preventative maintenance program when using an Everpure TKO prefilter and water softener.
◆ Change RO cartridges on a regular two (2) year preventative maintenance program when using an Everpure TKO prefilter and water softener.
◆ Always flush the filter cartridge at time of installation and cartridge change.
◆ Refer to Installation, Operation & Maintenance Manual for cartridge flushing and RO startup.

◆ The water inlet must supply a minimum of 2.2 gpm (8.36 Lpm) @ 50 psi (3.5 bar, 3.5 MPa).
◆ Daily Production Rate: 443.68 gpd (1,680.19 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: No pressure is in tank. Flow is not dependent on tank level. Provides maximum blended flow of 3.0 gpm.

SIZING

◆ Dynamic Operating Pressure Requirements
  - 50 - 85 psi (3.5 - 5.5 bar, 0.35 - 0.55 MPa), non-nock
  - Pressure below 50 psi (4.5 bar, 0.45 MPa) may affect blend system® performance.
◆ Maximum Static Pressure
  - 100 psi (6.9 bar, 0.69 MPa), non-nock

WARRANTY

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 (5) years after date of purchase. Pentair Everpure replaceable elements (filter cartridges and water treatment components) are covered by a limited warranty against defects in material and workmanship for a period of one (1) year after date of purchase. See printed warranty for details. Pentair will provide a copy of the warranty upon request. Everpure Kwik Fit® System: Everpure Kwik Fit® System is covered by Pentair Everpure’s standard limited warranty. The Pentair Everpure Kwik Fit® System is a multi-application water treatment system that will disassemble for use in other applications. The Pentair Everpure Kwik Fit® System is designed to disassemble for use in other applications. The system will disassemble into four sections, each of which will be tested for functionality. The system will disassemble into four sections, each of which will be tested for functionality. The system will disassemble into four sections, each of which will be tested for functionality. The system will disassemble into four sections, each of which will be tested for functionality.