

# MRSGo-400S HIGH EFFICIENCY REVERSE OSMOSIS SYSTEM



## SYSTEM DESCRIPTION

The MRSGo-400S system is a high-efficiency configurable water filtration system that delivers RO and blended filtered water producing consistent quality water for multiple foodservice applications.

## FEATURES • BENEFITS

- ◆ Dual post filtration cartridges reduce sediment, chlorine taste & odors, and other contaminants that can adversely affect the taste of beverages
- ◆ Reduces incoming water rejection with 1st degree 65%\* and utility cost savings
- ◆ IOT function inside to smart remind cartridge lifespan and outlet water quality
- ◆ Reduces limescale buildup that can cause excessive machine downtime and increased maintenance costs
- ◆ Expandable for different ADT stores matched with different size tanks

\*Test result based on Chinese GB34914 water efficiency standard, only for the RO water output in the system

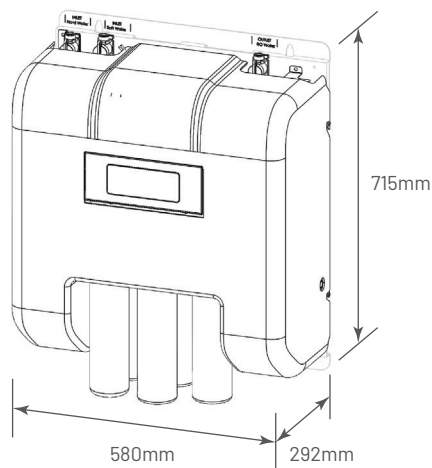
## APPLICATIONS

- ◆ Combi ovens
- ◆ Steamers
- ◆ Espresso
- ◆ Coffee
- ◆ Ice

## INSTALLATION TIPS

- ◆ Choose a mounting location suitable to support the weight of the system while operating.
- ◆ Deliming the existing water-using equipment is recommended.
- ◆ Never use a saddle valve for connection.
- ◆ Use 3/8" (9.5mm) for minimum water line.
- ◆ Install vertically and allow 2 1/2 (6.35cm) clearance on all four (4) sides of the unit for easy removal and replacement.
- ◆ 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.
- ◆ Change RO membrane cartridge and filter cartridges on a regular one (1) year preventative maintenance program.
- ◆ Change cartridges when capacity is reached or pressure decreases.
- ◆ Always flush the filter cartridge at the time of installation and cartridge change.
- ◆ For more details, see the installation, operation and maintenance guide included with the system.

# MRSGo-400S HIGH EFFICIENCY REVERSE OSMOSIS SYSTEM



MRSGo-400S

## SPECIFICATIONS

Description	MRSGo-400S Commercial Purifier
Water Temperature	40-100°F (4-38°C)
Environment Relative Humidity	0-90%
Overall Dimensions	715mm H x 292mm W x 580mm D
Connections	Inlet: 3/8" OD tube, Outlet: 3/8" OD tube Wastewater: 3/8" OD tube
Ro Water Recovery ( Accord GB Standard)	1st grade, 65%
Minimum Static Pressure	100 psi (6.89 bar), non-shock
Operating Pressure	30 - 80 psi (2.06 - 5.52 bar), non-shock pressure below 65 psi (4.47 bar) may affect blend system performance
MOH Flow Rate	2.2 LPM
MOH Capacity	12m <sup>3</sup>
Maximum Operation Water Recovery	80% (Running at 80% recovery requires soft water and no iron, manganese or hydrogen sulfide and low silica and turbidity)
Shipping Weight	77lbs (35 kgs)
Operating Weight	106lbs (48 kgs), not including external storage tanks
Installation	Wall-mounted
IOT function	IOT Inside
Certification	MOH
Filter Replacement	6TS cartridge, Volume 2pcs, 6-12months 6TPro cartridge, Volume 2pcs, 6-12months MRC-450 RO cartridge, Volume 1pcs, 12-18months

## PERFORMANCE

Daily Production Rate Up to 450 gpd (1,703 Lpd)(plus tap water addition for processor with blend). The 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.

## SERVICE FLOW RATE

Dependent on water pressure in the storage tank and line size (s) to equipment

## FEED WATER CHEMISTRY

Feed TDS	Up to 1000 ppm	Turbidity	<1.0 NTU
Feed pH	5-10	Manganese	<0.05 mg/L max
Hardness*	12 grains/gal or less		0.00 mg/L
Free Chlorine	<3 mg/L	Silica	<20 ppm
Iron	<0.1 mg/L		

\* For water outside of these parameters, call Pentair Customer Service.

## REPLACE CARTRIDGES

Model	Qty	Description	Part No
6TS cartridge	2	Prefilter	SA21079
6TPro Cartridge	2	Post-filter	SA21083
MRC-450 Cartridge	1	RO membrane	SA21089

It is recommended that pre-/post-filters and mineral addition cartridges are changed every six (6) months when capacity is reached or when feed water pressure or flow becomes inadequate.

The contaminants or other substances removed or reduced by this drinking water system are not necessarily in your water. Do not use water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

Since the conditions under which our products may be used are beyond our control, we cannot accept any liability with respect to the improper installation, application and/or use of our products.



## Pentair Offices in South East Asia

### Singapore

390 Havelock Road  
#04-01 King's Centre  
Singapore 169662  
Tel: +6567685900

### Thailand

16th Floor, The Ninth Towers  
Grand RAMA 9, Tower B  
33/4 Rama 9 Road, Huaykwang  
Bangkok 10310, Thailand  
Tel: +6621681092

[sea.enuws@pentair.com](mailto:sea.enuws@pentair.com) | [pentair.asia](http://pentair.asia)

All indicated Pentair trademarks and logos are property of Pentair. Third party registered and unregistered trademarks and logos are the property of their respective owners.  
©2024 Pentair. All Rights Reserved.