

Technical Specifications

Model	PRO5000E	ROM7000WS
RO membrane specifications	400GPD	600GPD
Water quality TDS monitoring	No	YES
LED tap indicator	NO	YES
Water supply conditions	Chlorinated City Water	
Water supply temperature	4-38 °C	
Water supply pressure	0.14~0.35MPa	
Purified water flowrate	1.2L/min*	1.5L/min**
Purified water quality	Meets requirements for "Code for Hygienic Safety and Function Evaluation of Drinking Water Quality Equipment - Reverse Osmosis Systems" (2001)	
Electricity requirements	220V 50/60HZ 55W	220V50/60HZ 70W
Installation measurements	430×210×490mm	
Product weight	16.5kg	

* Calculated based on (Suzhou) Product Hygiene License Approval (2018) No. 3200-0046, effective until 14 Apr 2022.
** Calculated based on (Suzhou) Product Hygiene License Approval (2018) No. 3200-0069, effective till 08 May 2022.



Enjoy Pure Water, A Smart Way of Life

Smart high-volume water purifier



400GPD-PRO5000E
600GPD-ROM7000WS

Smart, Sustainable Water Solutions.

FOR LIFE.





New Breakthroughs

Rapid output, lasting quality, smart design and greater efficiency for healthier, cleaner water



Rapid output, straight from the source.

Fill a cup in **8 seconds*** with a high flow rate direct to faucet. Faster flow rate ensures no more waiting.



Lasting Green technology for greater water savings

The Green Reverse Osmosis (RO) system produces water at 68.8%** efficiency, exceeding Chinese National Grade A water standards by 15%***. Large capacity filter membrane with shorter channels, faster flow, and stronger dirt resistance, with membrane lifespan lasting up to 3 years.

3** years**

Pentair Green RO Plus membrane

VS

2** years**

Pentair Conventional RO membrane

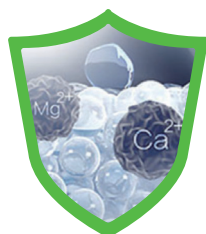


Dual layer protection for better health and peace of mind

0.2μ high density, folded microfiltration core in combination with a 5μ scale inhibition composite carbon rod removes impurities and ensures lasting efficiency.



High-density folded microfiltration core



Composite carbon rod to trap dirt

12** months**

Pentair dual layer filtration core

VS

3 months

Pentair conventional filtration core



5 Sensors for Smart and Timely Control

Smart detection with 5 sensors for intelligent auto control to maintain optimal condition and ensure safe and clean water for the whole family.



Water quality sensor
Online water quality indicator



Water temperature sensor
Protects from high and low temperatures



Water pressure sensor
Protects from high and low water pressure



Lifespan sensor
Controls duration and flow



Leakage sensor
Cuts off supply when a leak is detected



Smart flushing for fresher, purer water

Smart self-cleaning function protects the RO membrane, and removes lead and dirt more efficiently, ensuring purer water quality.

Upon Connection

Cleaning initiated upon connecting to a power supply

30 minutes

Cleaning initiated when used continuously for 30 minutes

72 hours

Cleaning initiated when not in use for long period of time



Smart alarm with dual reminders

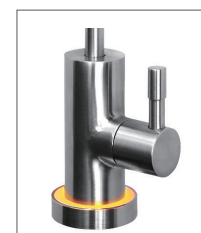
The filter core lifespan is monitored through duration and flow to reflect real-time filter usage conditions. When the filter lifespan is near its end, the ring around the tap flashes orange, while the operating panel shows 1 bar left and flashes continuously.

☆ Tap alarm provides a reminder of the filter core lifespan – filter condition available at a glance.



Blue light on: Monitoring
Normal operation, water suitable for drinking

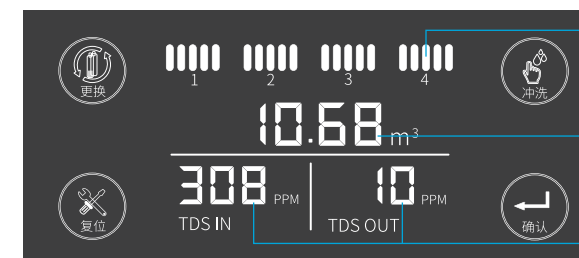
Blue light flashing: Cleaning
Water not suitable for drinking, please hold on.



Orange light on: Malfunctioning
Water not suitable for drinking, maintenance required

Orange light flashing: Warning
Filter core change reminder

☆ Status indicator provides accurate indication of filter core lifespan



Filter core with 5 bar indication

Water purification flow rate indicator, status and warning indicator

Water quality (TDS) indicator

* Calculated according to parameters from (Suzhou) Product Hygiene License Approval (2018) No. 3200-0046 and based on a 200ml cup of water

** See report from National Household Appliances Testing ROM7000WS/ROM7000WE, Report WCjs-18-40123 (effective until 03 Jun 2019)

*** Based on testing report WCjs-18-40123 (effective 03 Jun 2019), water purification efficiency and Grade A water minimum quality calculation is (68.8% - 60%) / 60% = 14.7%

**** Based on municipal water supply with a input water pressure of 0.14-0.35MPa (water supply conforms with Chinese GB5749-2006 "Standards for Drinking Water Quality"). Due to difference in water quality, filter core lifespan may differ.