



## **CUSTOMIZE UP TO 7 STAGES OF PURIFICATION AND FILTRATION**

- **Ultraviolet Disinfection Pre-Treatment:** Inactivate bacteria, viruses, and protozoa to protect filters
- **1 Micron Sediment Filtration:** Remove suspended solids
- **1 Micron Carbon Block Filtration:** Remove Chlorine/Chloramines to protect membranes
- **Reverse Osmosis Membranes:** Remove hardness, dissolved salts, and chemical contaminants
- **Remineralization or Deionization:** Add minerals/adjust pH (remineralization) or high purity water (deionization)
- **Catalytic Granular Activated Carbon:** Final polishing and for automatic bypass filtration
- **Ultraviolet Disinfection Post-Treatment:** Disinfection prior to delivery and for automatic bypass

## **Intelligent filtration meets unprecedented performance.**

SmartGuard RO is an intelligent water filtration system built to work hard and think hard so you get the water quality you need without the downtime and maintenance headaches associated with typical reverse osmosis systems. SmartGuard's digital display and LED indicator lights keep you informed about system performance and tell you when it is time to change filters or perform maintenance. Smart features like automatic bypass mean you never run out of water and integrated water conditioning coupled with a self-cleaning cycle eliminate the need for salt softening or chemical pre-treatment.

Plus, SmartGuard responsibly manages valuable resources like energy and water, delivering up to 85% water recovery and reducing energy usage through efficient production cycles and low energy filters. All fitting in a compact space-saving design, your customized SmartGuard system will produce the specific water profile you need and provide the ease of maintenance you've been looking for.

## **Features**

- 500 to 15,000 nominal gallons per day of RO only, or RO + remineralization, or RO + deionization filters, or RO + automatic programmable blending
- No salt softener or chemical pre-treatment required
- Programmable digital recovery saves water, reduces energy usage and increases filter life by automatically controlling and adjusting drain water
- Pre and post filters are built in- no need to buy additional equipment\*
- Never run out of water again- automatic bypass option senses low water conditions and delivers partially filtered water while working to re-fill your tank
- Be confident that your system is running at peak performance with microprocessor-driven intelligent monitoring

## **Options**

- Pressure tank + digital pressure transmitter / atmospheric tank + ultrasonic level sensing
- Remineralization or deionization filters
- On board variable speed delivery pump produces consistent water pressure
- UV disinfection pre and/or post treatment
- Digitally controlled automatic TDS blending delivers a customizable water profile
- Remote Wi-Fi communication and monitoring

\* Pre-treatment is required for certain problem water contaminants such as iron, manganese, or bacteria.