



IN PARTNERSHIP WITH DIAMOND WATER



## MAKE THE SMARTER CHOICE

# FREE STANDING REVERSE OSMOSIS SYSTEMS

## FEATURES:

**Most Efficient RO in the Industry** – 70-75% average recovery vs. 45-50% typical industry average.

**Digital Controller** – Connected to main system power source (not a battery that needs frequent changing) featuring TDS, temperature, system status and total runtime display.

**Integrated Float Switch** – Controls operation of system based on storage tank level.

**Automatic Membrane Flush** – Flushes dissolved solids away from membranes after every run cycle, prolonging membrane life and production efficiency.

**Pressure-activated Safety Shut Off & Automatic Restart** – System will shut off if supply water pressure drops too low, automatically engages restart sequence.

## APPLICATIONS:

With models ranging from 1,800 GPD up to 28,000 GPD, the Diamond H2O Reverse Osmosis System is perfect for any size car wash – from multi-bay self-serve, in-bay automatics and tunnels.



# WALL MOUNTED REVERSE OSMOSIS SYSTEMS



## FEATURES:

**Hinged Front Panel** – Allows access to all internal components for easy maintenance and future service.

**Most Efficient RO in the Industry** – 60-70% average recovery vs. 45-50% typical industry average.

**Digital Controller** – Connected to main system power source (not a battery that needs frequent changing) featuring TDS, temperature, system status and total runtime display.

**Integrated Float Switch** – Controls operation of system based on storage tank level.

**Automatic Membrane Flush** – Flushes dissolved solids away from membranes after every run cycle, prolonging membrane life and production efficiency.

**Pressure-activated Safety Shut Off & Automatic Restart** – System will shut off if supply water pressure drops too low, automatically engages restart sequence.

## APPLICATIONS:

With standard volumes ranging from 1,800 GPD to 4,800 GPD, the Diamond H2O Wall Mount Reverse Osmosis System is sized perfectly for all Self-Serve Washes and up to 2 In Bay Automatics. The compact footprint allows for installations in existing equipment rooms that may not have room for a freestanding unit.

# REPRESSURIZATION PUMPS

## FEATURES:

**Turnkey System** – Comes pre-wired into control box for ease of installation and startup

**Fresh Water Bypass** – Includes low limit float switch for spot-free tank, solenoid assembly on pump to draw from fresh water source on peak wash days where supply may run out.

**Built to Last** – Sta-Rite Multi-Stage Booster (Hi-Pressure) or Centrifugal (Hi-Volume) Pump Options

## OPTIONS:

**Pump Size** – 1.0, 1.5, 2.0, 2.5 or 3.0 HP

**Power** – 220V Single Phase, 230/460V Three Phase

**Mount** – RO Frame or Wall Mount Bracket

**Pump Outlet** – Stainless Steel, Pre-wired solenoid assemblies (1-6 per system)

**Activation Signal** – 24V, 24V Dry Contact, 120V



# CARBON FILTERS



## FEATURES:

**Automatic Backwashing** – Cleans out particulate matter from the media, prolonging it's lifespan.

**Media Options** – High Active Carbon (HAC) for standard removal of Chlorine; Catalytic (CHAC) option for applications where Chloramines are being used by the municipality.

## APPLICATIONS:

For the protection of expensive RO membranes from Chlorine/Chloramines, the Refiner carbon filter series can fit any Reverse Osmosis system – whether you are purchasing new or just replacing an existing component.



## WATER SOFTENERS 1.0" & 1.25"

### FEATURES:

**Moderate Flow Rates** – Up to 28 GPM Service Flow and 37 GPM Peak Flow

**Easy Twin Installation** – All interconnecting plumbing & bypass assembly included

**Easy to Maintain** – No special/costly tools required for regular inspection or service

**Digital Display** – Flow Rate, Capacity Remaining, Time, Total Volume Used

**Intuitive Controls** – Easy to program for changing conditions and applications

### APPLICATIONS:

With peak flow rates up to 37 gpm, the 1.0" and 1.25" Patriot water softener is suitable for softening all of the water for multiple self-serve bays, or for a single touchless or soft touch automatic.



## WATER SOFTENERS 1.5" & 2.0"



### FEATURES:

**High Flow Rates** – Up to 99 GPM Service Flow and 130 GPM Peak Flow

**Built Tough** – Brass valve body with stainless steel flow meter

**Easy Installation** – Optional pre-plumbed Copper or PVC headers available

**Digital Display** – Flow Rate, Capacity Remaining, Time, Total Volume Used

**Intuitive Controls** – Easy to program for changing conditions and applications

### APPLICATIONS:

The 1.5" and 2.0" Patriot series water softener has the capacity to soften all of the water for any combination of soft touch or touchless automatics, along with multi-bay self serves, without compromising flow rate or experiencing excessive pressure drops.