

# Water Softening

Water softening is the process of removing excess minerals, such as calcium and magnesium, from hard water to prevent scale buildup and improve the efficiency of plumbing and appliances.





(upto) 1.5 m<sup>3</sup>/hr  
Small Applications

# Regal 150 Softener

## Ultra-Compact Water Softening Solution

### Description:

The Regal 150 Softener from Sovereign Water Systems is a space-saving, high-performance softening solution ideal for homes and small commercial settings. Designed for maximum efficiency in tight spaces, the Regal 150 offers superior water softening capacity despite its compact size. With a unique 10×13 mineral tank, it can easily fit under most kitchen sinks, providing powerful water softening where it's needed most.

This softener features the reliable, pre-adjusted Clack® DV valve with a mixing valve for fine-tuning water quality, ensuring long-lasting performance and consistent water flow. Whether for residential or small commercial use, the Regal 150 Softener ensures your water is free from harmful minerals like calcium and magnesium, which can cause scale build-up in appliances and plumbing systems.

### Key Features:

- **Ultra-Compact Design:** Small enough to fit under the kitchen sink, ideal for homes or small spaces.
- **High Performance:** Despite its compact size, it offers a flow rate of 1.5 m<sup>3</sup>/h and volume capacity of 3 m<sup>3</sup>.
- **Efficient Regeneration:** Consumes only 1.2 kg of salt and 0.09 m<sup>3</sup> of water per regeneration cycle, ensuring minimal water and salt usage while delivering maximum efficiency.
- **Clack® DV Valve:** Made in the USA, the valve includes a pre-adjusted mixing valve for easy control of water hardness.
- **DOWEX™ Ion-Exchange Resin:** Top-quality resin ensures long-lasting performance and effective mineral removal.
- **Energy Efficient:** Operates on 30 W of power, making it cost-effective and environmentally friendly.

# Regal 250 Softener

## Compact, Efficient Water Softening for Light Commercial Use

### Description:

The Regal 250 Water Softener by Sovereign Water Systems is a high-performance solution for light commercial applications, designed to remove excess minerals like calcium and magnesium. The Regal 250 ensures scale-free water, protecting plumbing systems and appliances, while delivering softer, clearer water for everyday use.

With its compact design and a high flow rate of up to 2 m<sup>3</sup> per hour, this water softener is perfect for installations where efficiency and performance are essential. The system features the US-made Clack® DV valve with diamond-carbon coating, offering long-term durability and reliable performance.

### Key Features:

- **Capacity:** Ideal small businesses, the Regal 250 provides efficient water softening for everyday needs.
- **Compact Size:** Perfect for under-sink or utility room installations, offering space-saving convenience without compromising performance.
- **High Flow Rate:** Capable of providing a flow rate of up to 2 m<sup>3</sup> of water per hour, ensuring a continuous supply of softened water.
- **Reliable Clack® DV Valve:** Equipped with a US-made Clack® DV valve, coated with diamond-carbon for enhanced durability and performance.
- **Increased Salt Capacity:** Holds up to 130 kg of salt, allowing for longer operational cycles between refills.
- **Up-Flow Proportional Brining:** Delivers smart regeneration, minimizing salt and water consumption while enhancing efficiency.
- **Long Salt Refill Cycle:** A full tank of salt can last up to 15 months before needing a refill, reducing maintenance frequency.



(upto) 2 m<sup>3</sup>/hr

Small Applications





(upto) 2.9 m<sup>3</sup>/hr

Medium Applications

# Regal 370 Softener

## High Capacity Water Softening for Medium Commercial Use

### Description:

The Regal 370 Water Softener by Sovereign Water Systems is designed for medium commercial applications that require reliable, high-capacity water softening. Engineered to remove excess minerals like calcium and magnesium, the Regal 370 ensures scale-free water, extending the life of equipment and plumbing while providing softened, clean water for daily operations in commercial settings. Featuring the US-made Clack® DV valve with diamond-carbon coating, the Regal 370 delivers exceptional durability and performance.

With a flow rate of up to 2.9 m<sup>3</sup> per hour, this softener is ideal for cafés, restaurants, and other medium-sized commercial operations that demand high-efficiency water softening. Its up-flow proportional regeneration ensures smart consumption, minimizing salt and water usage to keep operational costs low.

### Key Features:

- **Flow Rate:** Provides a continuous flow of 2.5 m<sup>3</sup>/h, with a maximum flow of 2.9 m<sup>3</sup>/h, meeting the demands of medium-sized commercial businesses.
- **Large Salt Capacity:** Holds up to 130 kg of salt, reducing the frequency of refills and ensuring extended operational cycles.
- **Built-In Mixing Valve:** Allows for adjustable water hardness levels, giving businesses control over water quality.
- **Up-Flow Proportional Regeneration:** Smart regeneration technology optimizes salt consumption, using up to 80 grams per liter of resin or less.
- **Water-Saving Regeneration:** Requires only 100 liters of water per regeneration cycle, reducing waste and lowering costs.
- **Automatic Regeneration:** Regeneration cycles last 80-100 minutes and can be programmed for timed or metered intervals.
- **Durable Resin:** Features 37 liters of DOWEX® HCR-S/S resin, providing long-lasting water softening capabilities.

# Regal 490 Softener

## Compact, Efficient Water Softening for Light Commercial Use

### Description:

The Regal 490 Water Softener by Sovereign Water Systems is designed to meet the demanding needs of larger commercial applications. With its high-capacity design and advanced water softening technology, the Regal 490 ensures reliable and efficient water softening for operations requiring significant water consumption, such as small hotels, restaurants, and small industrial facilities.

Equipped with a pre-configured Clack® CE control valve, the Regal 490 offers convenient installation and exceptional performance. This system is designed to work seamlessly with ECOMIX® or ion-exchange resin, providing superior scale prevention and water softening capabilities, ensuring long-term protection for equipment and piping systems.

### Key Features:

- **Control Valve:** Fitted with a pre-configured Clack® CE control valve, known for reliability and performance in large-scale systems.
- **High Capacity:** Features a 63-liter pressure tank and a 125-liter brine tank, ensuring extended operational cycles and reduced maintenance.
- **Designed for Efficiency:** Compatible with ECOMIX® and ion-exchange resins for enhanced water softening efficiency.
- **Convenient Installation:** The system is pre-configured for easy setup, reducing installation time and costs for commercial operators.
- **Advanced Filtration:** Includes DLFC and injector systems, optimizing water flow and efficiency.
- **Electrical Requirements:** Operates on 30W, ensuring energy efficiency for large-scale commercial use.
- **Media Volume:** 37 liters of media, providing ample capacity for high-demand applications.
- **Pressure Tank:** Features a 10x54-inch tank with a 2.5-inch connection, designed to handle the pressures of large commercial systems.



(upto) 6 m<sup>3</sup>/hr

Larger Applications

