

C43 Series 1–3” Water Softener

Flexible Multi-Unit Softening for Expanding System Needs

- Peak flow rates up to 270 gpm
- Up to 1,200,000 grains capacity per tank
- Scalable single to six-unit system configurations
- IQ2 electronic control with diagnostics and usage history
- Corrosion-resistant fiberglass-reinforced tanks



The A. O. Smith C43 Series provides robust, high-capacity water softening engineered for demanding commercial and light industrial environments. Available in single through six-unit configurations, the C43 platform allows scalable system design to match a facility's flow requirements. With IQ2 electronics and a durable stack-and-piston control assembly, the C43 delivers consistent performance, serviceability, and long-term reliability.

Features

- **Multiple unit configurations** for flexible single–six softener designs
- **Top-mounted valve design** for easier access and servicing
- **Fully adjustable regeneration cycles** including Alternate Cycle Sequencing (ACS) and Water Efficient Technology (WET) efficiency modes
- **High-capacity softening resin** for reliable commercial-grade performance
- **Fiberglass-reinforced mineral tanks** providing rugged corrosion resistance
- **IQ2 advanced controller** with history, diagnostics, and system monitoring
- **NSF-certified components** ensuring trusted material and system quality

Options

- Progressive flow operation
- Separate source regeneration capability
- ASME-rated tanks (18" and up)
- Salt reclaim systems
- Multi-unit system controller

C43 Water Softener – System Components & Performance

Controller



The C43 features the IQ2 electronic control platform, which delivers real-time diagnostic information, 90-day water-usage history, peak flow rate tracking, and totalizer data to support operational oversight. This information can be downloaded via USB or viewed through an Ethernet connection, while LED indicators clearly identify online, standby, and regeneration modes. A built-in battery backup safeguards system configuration and historical data.

Control Valve



The system's stack-and-piston control valve is fully assembled as a single cartridge, allowing durable long-term operation and simplifying service procedures. 1"-1.25" system sizes use Noryl® valve bodies, while 1.5"-3" units incorporate solid lead-free brass valves with stainless steel meters to maintain high flow performance and mechanical strength.

Softening Media



The C43 Series uses high-capacity virgin polystyrene softening resin, which provides reliable hardness reduction and long service life under continuous commercial use.



Shown: Select applications.

The C43 Series supports a broad range of commercial uses.

Explore all applications at aosmith.com/commercialwatertreatment



Note: This system is not intended for the treatment of microbiologically unsafe water without adequate disinfection.

