

C47 Series 1–2” Water Softener/Iron Reduction Systems

Comprehensive Treatment for Hardness, Iron & Manganese in Well-Water Applications

- High service flow performance for commercial applications
- Effective particulate reduction with backwashing filtration
- Available in single or multi-tank configurations
- Automated operation to minimize maintenance and downtime
- Built for continuous commercial service



The A. O. Smith C47 Series combines softening, iron reduction, manganese reduction, and mild pH correction into one robust commercial system. Powered by exclusive Crystal-Right™ media and IQ2 electronic controls, the C47 is engineered for facilities operating on challenging well-water sources. Its modular platform supports single through six-unit configurations, offering the scalability needed for growing system demands.

Features

- **Crystal-Right CR 100/CR 200 media** for softening, iron/manganese removal, and pH correction
- **Patented chlorine disinfection** integrated into every regeneration cycle
- **Configurable multi-unit operation** for single through six-tank systems
- **Top-mounted valves** for improved accessibility and serviceability
- **Adjustable regeneration cycles** with Adjustable Cycle Sequencing (ACS) and Water Efficient Technology (WET) efficiency modes
- **Fiberglass-reinforced tanks** offering durable corrosion resistance
- **IQ2 system diagnostics** including flow, usage, and regeneration data
- **NSF-certified components** throughout the system

C47 Water Softener – System Components & Performance

Controller



The IQ2 control platform provides real time diagnostics, 90-day usage history, peak flow tracking, and regeneration information. Data is accessible via USB or can be viewed live over Ethernet. LED indicators display online, standby, and regeneration status, and an onboard battery backup protects stored settings.

Control Valve



A one-piece cartridge-and-piston valve assembly ensures long-term durability and simplified servicing. Models with 1”-1.25” valves use corrosion-resistant Noryl®, while 1.5”-3” valve platforms are built from solid lead-free brass with stainless steel meters for improved mechanical strength and precise flow measurement.

Crystal Right™ Media



Crystal-Right CR 100 and CR 200 media provide a single-bed solution for softening, iron and manganese reduction, and mild pH adjustment. The silica-based media is highly durable and chlorine-resistant, enabling in-system disinfection.

Optional System Controller



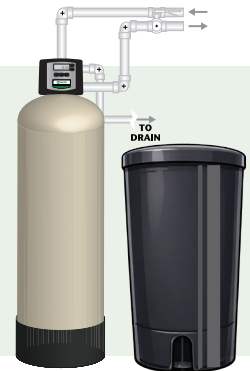
The optional system controller operates up to six units and provides centralized visibility of system performance. It records 90-day water usage, peak flow data, totalizer readings, and other diagnostics. Operators can access information via USB export or Ethernet for live monitoring. A battery backup ensures settings and history remain protected.



Shown: Select applications.

The C47 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.

