



AquaGeneral
Water Conditioning and Filtration

3" SERIES WATER SOFTENERS

With Top Mount Valve



3" SERIES 3900

AquaGuard® 3" Series

water softeners are suitable for commercial applications ranging from 200,000 to 1,050,000 grains of hardness removal capacity at flow rates up to 280 gpm. The HC-300 systems can easily be configured as single or multiple tank systems.

Operation of the Softener

Hard water contains dissolved minerals in the form of Calcium (Ca), Magnesium (Mg), and Iron (Fe). An ion exchange process accomplishes removal of these minerals. As water flows through the mineral tank, the dissolved minerals become attached to the resin. Over a period of time the resin will become exhausted, and the softener will regenerate using a brine solution.

Softening Media

The exchange media is a high quality strong acid softener (Cation) resin with high whole bead count, no color throw, and is chlorine resistant. The media combines high operating capacity with excellent chemical and physical stability for a long dependable life.

Regeneration Controller

These softeners feature the Fleck 3200 NT electronic controller. It combines simplicity with flexibility in a user-friendly package that is easy to setup and operate. Multiple controllers can be networked together, which allows a wide variety of multi tank systems to be configured in the field.

Control Valve

The 3" Fleck 3900 control valve operates on command from the valve controller. Two hydraulically balanced pistons glide effortlessly along non-corrosive spacers and seals to precise positions. This precision motor driven valve performs in the toughest applications and is made of high quality brass for a long reliable life.

Resin Tanks

All models feature non-corrosive fiberglass tanks, with a one-piece thermoplastic inner liner. The tanks are approved by NSF, UL, FDA, and meet WQA standard S-100.

Brine System

The brine tank is made of tough, high-density polyethylene, and a high quality air check prevents air from entering the system.