

## DISPOSABLE WATER DEMINERALIZATION CARTRIDGE

- For use with fill water when diluting glycol or other hydronic treatment
- Economical and convenient option to pre-blended glycol formulas
- Using high quality water extends life of the glycol in the system
- Demineralized water meets strict water quality requirements by OEMs
- Removes chloride, sulphate and nitrite ions which attack system metals
- Removes scale forming ions that damage components and block heat transfer
- Lowers water conductivity which reduces internal corrosion
- Media changes from blue to beige when spent

### Application

For best service life, system designers require the use of high quality fill water when diluting glycol or other chemistry for closed loop hydronic systems. Poor water quality at the job site affects the longevity of glycol by reducing the corrosion inhibitor(s) used in its formulation. High mineral content water plays a role in unwanted reactions that cause system corrosion and scale formation.

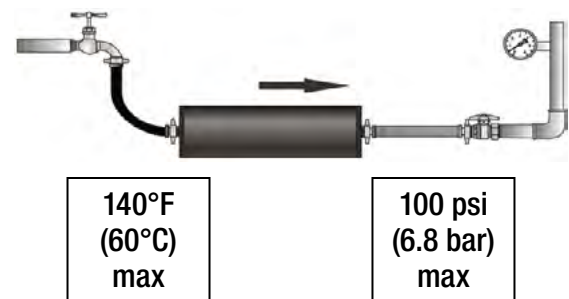
If poor water quality exists at the job site, the use of more expensive pre-blended glycol formulations are required. A less practical choice is to source high quality water for system fill. Another approach is to use an in-line water demineralizing cartridge to improve the fill water quality by removing ions in the water. This device reduces unwanted minerals in the water fill that play in system corrosion and scale. Figure 1 shows the application of the AquaCare T65 Demineralization Cartridge that addresses onsite water being using for closed loop fill.

### Glycols

## AquaCare™ T65



Figure 1.



### Description

The AquaPure T65 Demineralizing Cartridge is for fill water for glycol and other closed loop system chemical treatments for the HVAC/R market. The disposable and billable cartridge used at the jobsite improves fill water quality to meet OEM requirements and improve glycol longevity by removing unwanted minerals that affect its service life.

The AquaCare T65 uses a robust, translucent housing equipped with 3/4" female garden hose thread connections to hook directly to an incoming facet and garden hose for system fill. The two-component mixed bed resin provides reliable, full demineralization that removes scale and corrosion forming ions from the water. When the entire resin has changed from blue to beige, the cartridge is spent.

The service life of the AquaCare T65 is dependent water hardness at the jobsite. The device nominally treats 65 gallons of fill water at a 12 gpg (or 200ppm) water hardness. Recap the device for future reuse if the media is partly spent. When the resin media is completely expired, it will be fully beige in color. Simply discard properly at the jobsite.

**IMPORTANT:** Never use the AquaCare T65 for drinking water for people or pets. Never open the cartridge before or after use - simply properly discard the device after the media turns completely beige in color indicating the resin is spent.

### Packaging

Demineralization Cartridge: 4122-01

### Specifications

- **Connections:** 3/4" female GHT (garden hose threads)
- **Nominal Capacity:** 65 gallons at 200 ppm (12 gpg) water hardness
- **Maximum Pressure:** 100 psi – briefly
- **Maximum Flow Rate:** 1.3 gallons/minute
- **Maximum Water Temperature:** 140°F – briefly

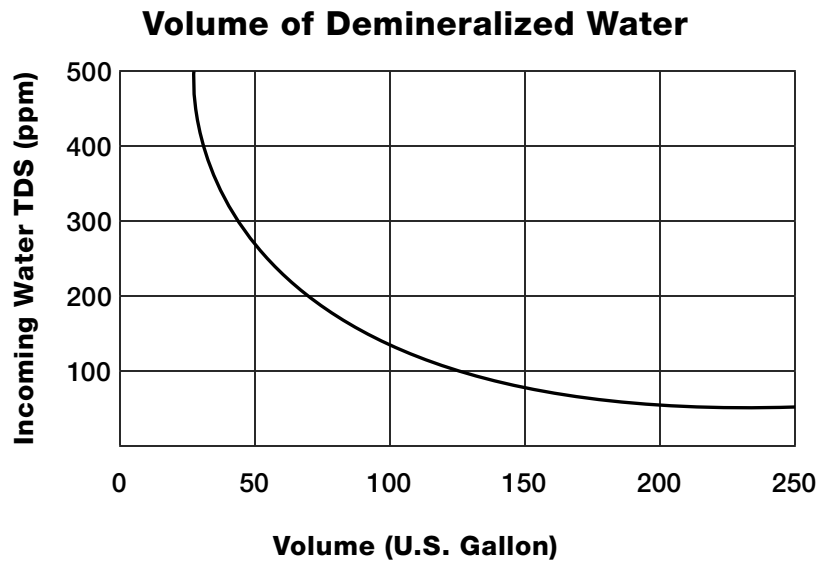


Chart shows capacity of AquaCare T65 cartridge based on incoming water quality. Device has a nominal capacity of 65 gallons at 200 ppm TDS