



## ***'PUROPAL-1' H<sub>2</sub>O DEMINERALIZERS***



### **Optional conductivity and flow meter**

*The 'PUROPAL-1' disposable cartridge is ideal for demineralizing fill water for closed loop hydronic systems. The quality of water, especially when mixed with anti-freeze (glycol), can have an impact on system performance. Marginal water quality can lead to scaling, sediment deposits, accumulation of sludge, and increased corrosion rates.*

### **FEATURES and BENEFITS**

- *Demineralized water meets the strict water quality requirements from boiler and glycol manufacturers*
- *Removes all the aggressive salts such as chlorides, sulphates, and nitrates which specifically attack metals like stainless steel, copper, and aluminum*
- *Removes scale producing ions like calcium and magnesium that damage components and block heat transfer*
- *Lowers electrical conductivity, which reduces corrosion*
- *The Puropal-1 media changes from blue to beige when spent*
- *An economical and convenient alternative to pre-blended glycol*

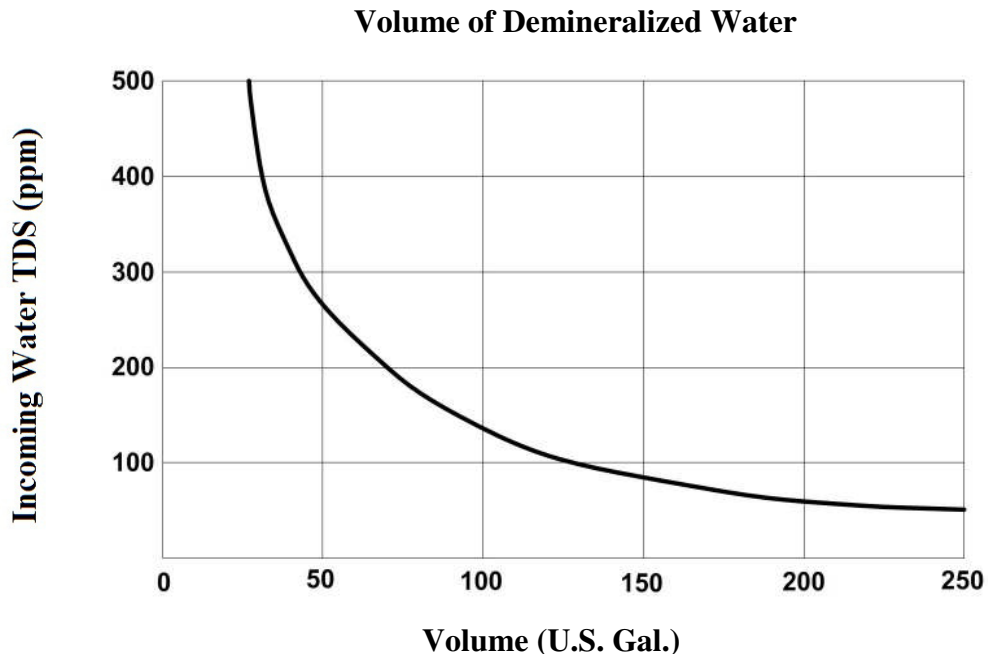
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## PUROPAL-1 H<sub>2</sub>O demineralizer TECHNICAL INFORMATION

**Application:** The closed loop system is filled using local domestic water which has been run through the Puropal-1 cartridge. In doing so the water is demineralized, meeting fill water specifications of glycol and boiler manufacturers. It is also possible to demineralize an existing “water only” system by circulating the system water through the Puropal-1 demineralizing cartridge. Puropal-1 provides a great advantage because neither meters nor special knowledge are required for water treatment.

**Capacity:** The graph below shows that the capacity of the demineralizing cartridge depends on the total hardness of the domestic water. Example: With a hardness of 11.7 gpg (200 ppm), the Puropal-1 provides 65 gal (245 L) of completely demineralized water.



### SPECIFICATION

The H<sub>2</sub>O demineralizer shall be AXIOM INDUSTRIES LTD. model PUROPAL-1. System shall include disposable cartridge with demineralizing ions, and ¾” FGHT inlet and outlet connections. Max. pressure 100 psi (689 kPa) breifly at 140 °F (60 °C).

### ACCESSORIES

**PUROPAL-Meter** – Flow and conductivity meter

### LIMITED WARRANTY

The Axiom PUROPAL-1 H<sub>2</sub>O demineralizer is warranted against defects in materials and workmanship for one year.

Project _____	Location _____
Consultant _____	Contractor _____
Unit Tag _____	Sales Agent _____