

H₂O DEMINERALIZER



Treats 65 USG
(inlet water @ 200ppm)

PuroPal-1W Disposable Cartridges

- Disposable cartridge with a translucent exterior
- Media changes from purple to beige when spent
- Designed for single point-of-use applications
- One cartridge treats approximately 65 USG (based on inlet water @ 200ppm)
- Removes scale producing ions like calcium and magnesium
- Lowers electrical conductivity, which reduces corrosion
- Removes aggressive salts such as chlorides, sulphates, and nitrates which attack metals like stainless steel, copper, and aluminum
- Demineralized water meets the strict water quality requirements from boiler and glycol manufacturers
- An economical and convenient alternative to pre-blended glycol

The 'PUROPAL-1W' 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.

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PUROPAL - 1W H₂O DEMINERALIZER TECHNICAL INFORMATION

APPLICATION :

The closed loop system is filled using local domestic water which has been run through the Puropal-1W 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-1W demineralizing cartridge.

Puropal-1W provides a great advantage because neither meters nor special knowledge are required for water treatment.

CAPACITY :

Figure 1 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-1W provides 65 gal (246 L) of completely demineralized water.

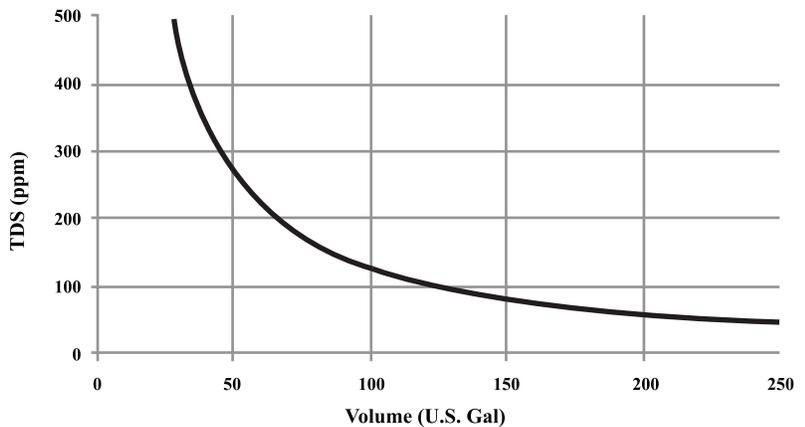


Figure 1 - Capacity of PUROPAL-1W based on incoming water TDS

SPECIFICATION :

The H₂O demineralizer shall be AXIOM INDUSTRIES LTD. model PUROPAL-1W. System shall include disposable cartridge with demineralizing ions, and ¾" FGHT inlet and outlet connections. Max. pressure 150 psi (10.3 bar) at 140 °F (60 °C).

OPTIONAL ACCESSORIES :

- PUROPAL-METER** -- Flow and conductivity meter
- PUROPAL-1W-RC** -- Replacement cartridge for PuroPal-1W

LIMITED WARRANTY :

The PUROPAL-1W H₂O demineralizer is warranted against defects in materials and workmanship for one year.

Project

Location

Consultant

Contractor

Unit Tag

Sales Agent