



# PUROPAL Leader

*The 'PUROPAL LEADER' 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. Even marginal water quality can lead to scaling, sediment deposits, and the accumulation of sludge.*



## **FEATURES and BENEFITS**

- *PuroPal Console provides real time data about the incoming and outgoing water quality, flow and total treated demineralized water*
- *Single Lever Valve opens/closes flow through the unit to start/stop demineralization, no power supply required*
- *Pressure Vessel is built utilizing a fibre reinforced mineral plastic, providing a lightweight yet durable portable vessel*
- *A patented fluid flow path through the resin maximizes the capacity of the ion exchange*
- *Self-contained cartridge can be replaced in seconds*
  
- *Demineralized water meets the strict water quality requirements from appliance 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*

TOLL FREE: (877) 651-1815    PHONE: (306) 651-1815    EMAIL: [info@axiomind.com](mailto:info@axiomind.com)



**INDUSTRIES LIMITED**

***PUROPAL LEADER H<sub>2</sub>O demineralizer TECHNICAL INFORMATION***

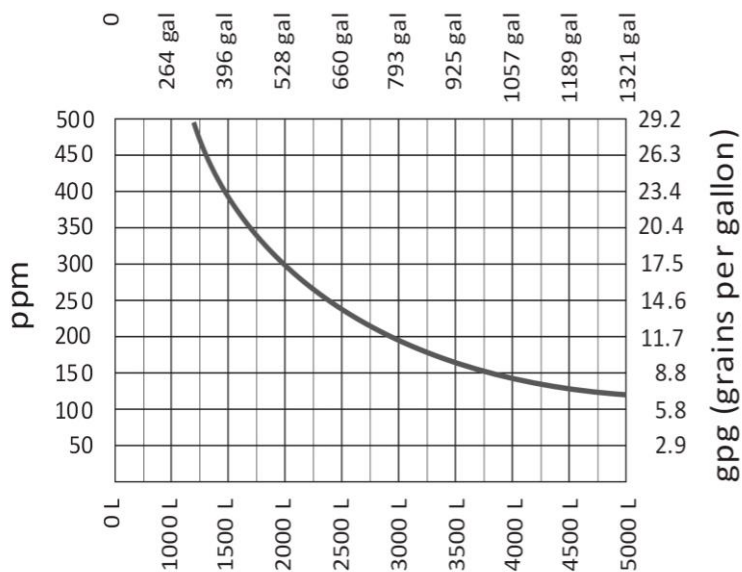
**APPLICATION**

The closed loop system is filled using local domestic water which has been run through the Puropal Leader. 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 a Puropal Leader demineralizer.

**CAPACITY OF THE ION EXCHANGER**

The capacity of the ion exchange resin depends on the water hardness. The capacity for the Puropal Leader can be read off the graph to the right. For example: With a hardness of 11.7 gpg (200 ppm), Puropal Leader provides 793 USG (3,000L) of completely demineralized water.

**PUROPAL LEADER**  
Capacity: Volume of completely demineralized water



**SPECIFICATION**

The H<sub>2</sub>O demineralizer shall be AXIOM INDUSTRIES LTD. model PUROPAL LEADER. System shall include fibre reinforced mineral plastic housing, shut off valve, conductivity and flow meter with programmable high and low conductivity limit, limit warning signal light, automatic quality monitor, total litres treated display, comes with 4x C batteries. Puropal Leader is rated to 58 psi (399 kPa) at 140 °F (60°C). "Demineralizer Cartridge (Leader-CartHP) Purchased separately and replaced as required".

**ACCESSORIES**



**Leader-CartHP** – Puropal Leader Replacement Cartridge with HighPower resin (18L / 4.75 USG)

**LIMITED WARRANTY**

The Axiom PUROPAL LEADER 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 \_\_\_\_\_