



**INDUSTRIES LTD.**

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



*The 'PUROPAL-PRO' 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, and the accumulation of sludge.*



**FEATURES and BENEFITS**

- *Demineralized water meets the strict 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*
- *Includes conductivity and flow meter*
- *Includes isolation valves*
- *Portable and easy to use*
- *Pressure reducing valve and gauge*
- *Ion exchange resin can easily be replaced when spent*

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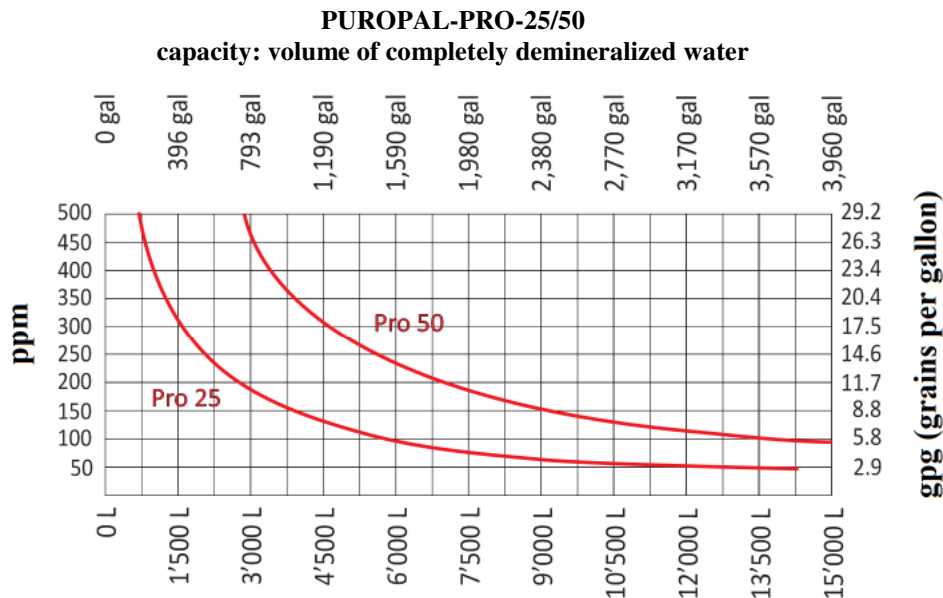
***PUROPAL-PRO series H<sub>2</sub>O demineralizer TECHNICAL INFORMATION***

**APPLICATION**

The closed loop system is filled using local domestic water which has been run through the Puropal Pro. 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 Pro demineralizing cart.

**CAPACITY OF THE ION EXCHANGER**

The capacity of the ion exchange resin depends on the water hardness. The capacity for the Puropal Pro 25/50 can be read off the graph below. Example: With a hardness of 11.7 gpg (200 ppm), Puropal Pro 25 provides 725 gal (2750 l) of completely demineralized water, and Puropal Pro 50 provides 1780 gal (6750 l).



**SPECIFICATI**

The H<sub>2</sub>O demineralizer shall be AXIOM INDUSTRIES LTD. model PUROPAL-PRO-\_\_\_\_\_. System shall include S.S. housing, two isolation ball valves, mixing valve, pressure reducing valve, pressure gauge, flow rate and total volume meter, TDS (total dissolved solids) meter that displays measurements at the inlet and outlet, comes with 2xAA batteries. Puropal Pro is tested to 87 psi (600 kPa). Max temp. 140 °F (60°C).

**ACCESSORIES**

- MBR-25**– Mixed bend resin 25L (replacement media for the Puropal-Pro 25)
- MBR-50**– Mixed bend resin 50L (replacement media for the Puropal-Pro 50)

**LIMITED WARRANTY**

The Axiom PUROPAL-PRO 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 \_\_\_\_\_