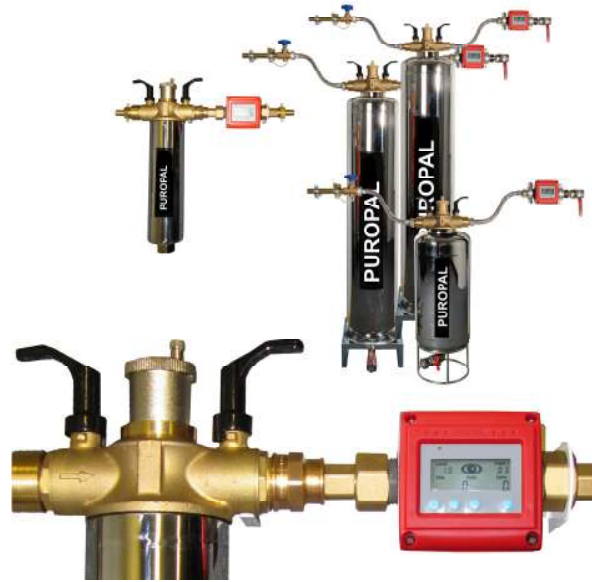




INDUSTRIES LTD.

'PUROPAL-COMPLETE' H₂O DEMINERALIZERS



The 'PUROPAL-COMPLETE' 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 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*
- *Includes conductivity and flow meter*
- *Includes ball valves and air vent*
- *Easy to install and use*

AXIOM INDUSTRIES LIMITED 2615 WENTZ AVENUE SASKATOON, SK S7K 5J1
TOLL FREE : (877) 651-1815 **PHONE :** (306) 651-1815 **FAX :** (306) 242-3373

www.axiomind.com



PUROPAL-COMplete H₂O demineralizer TECHNICAL INFORMATION

Application

The closed loop system is filled using local domestic water which has been run through the Puropal Complete. In doing so the water is demineralized, meeting fill water specifications of glycol and boiler manufacturers. It is also convenient to demineralize an existing “water only” system by circulating the system water through the Puropal Complete demineralizer. Not for drinking water.

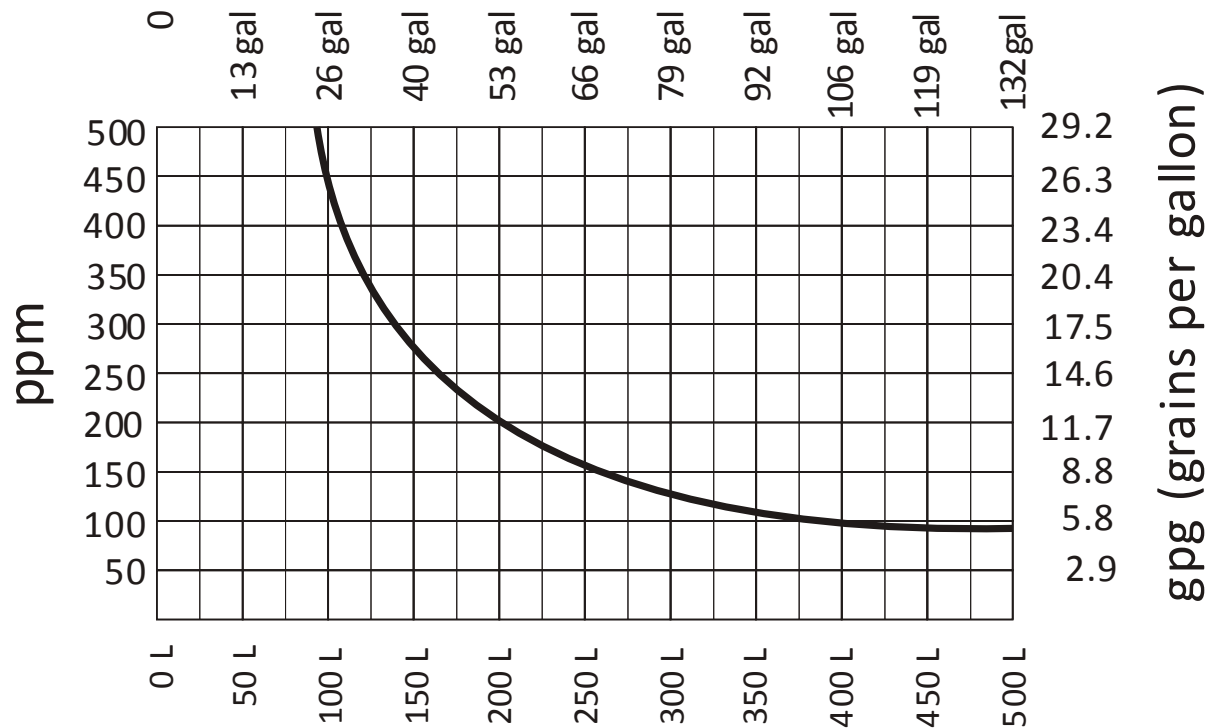
Permanent connection

Puropal Complete is pressure tested to 87 psi (600 kPa) and is therefore suitable for making a permanent connection between the local domestic water supply and the closed loop heating or cooling system.

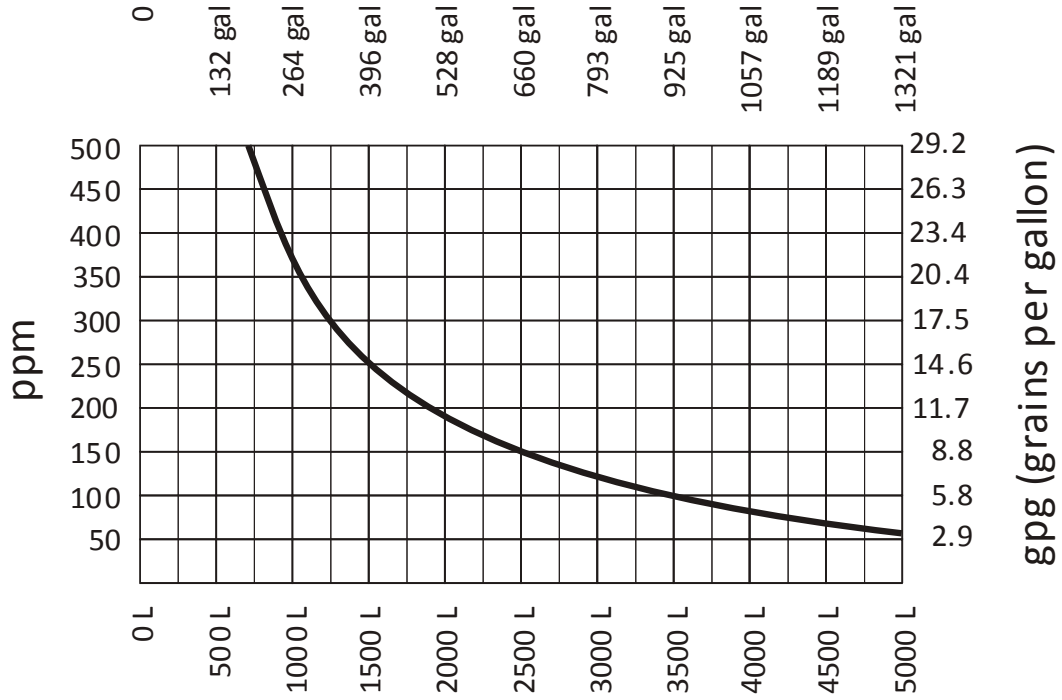
Capacity of the ion exchange resin

The capacity of the ion exchange resin depends on the water hardness. The capacity for each Puropal Complete can be read off the graphs below. Example: With a hardness of 11.7 gpg (200 ppm), Puropal Complete 2 provides 53 gal (200 l) of completely demineralized water, Puropal Complete 12 provides 500 gal (1900 l), Puropal Complete 25 provides 850 gal (3250 l), and Puropal Complete 50 provides 1780 gal (6750 l).

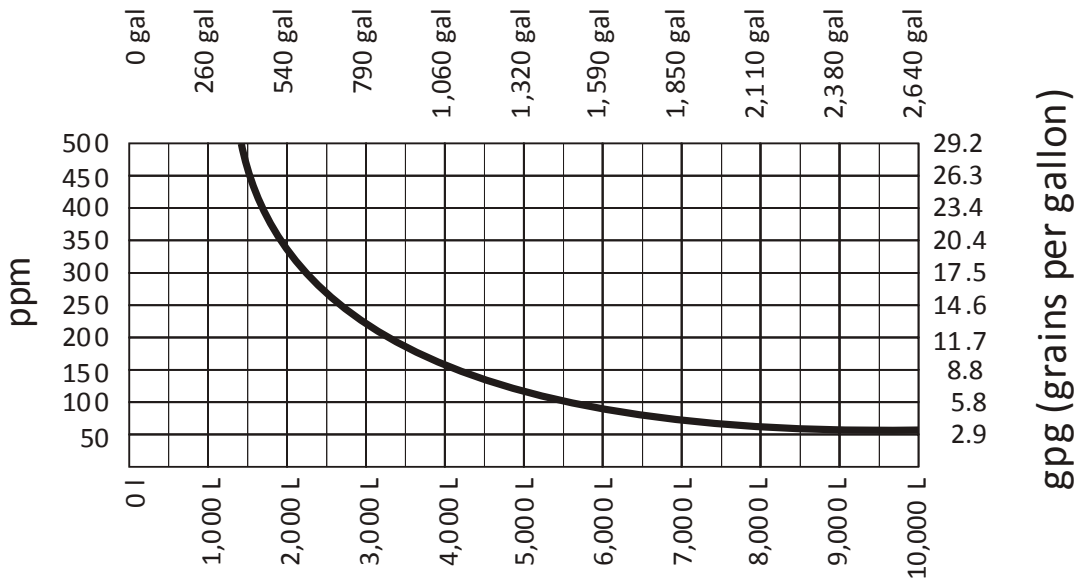
**Puropal Complete 2
Capacity: volume of completely demineralized water**



Puopal Complete 12
Capacity: volume of completely demineralized water



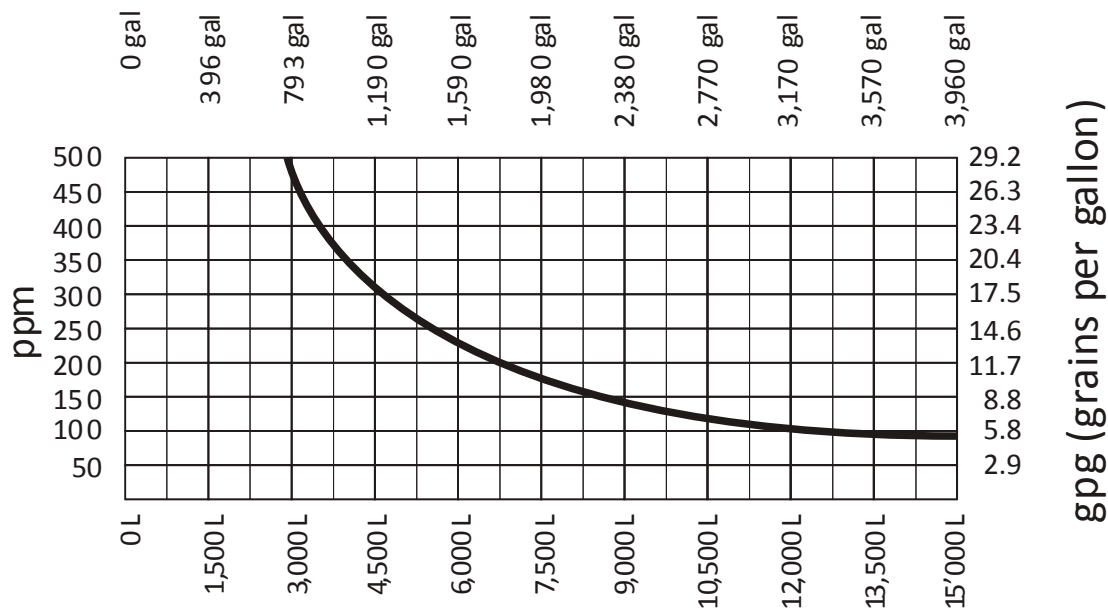
Puopal Complete 25
Capacity: volume of completely demineralized water



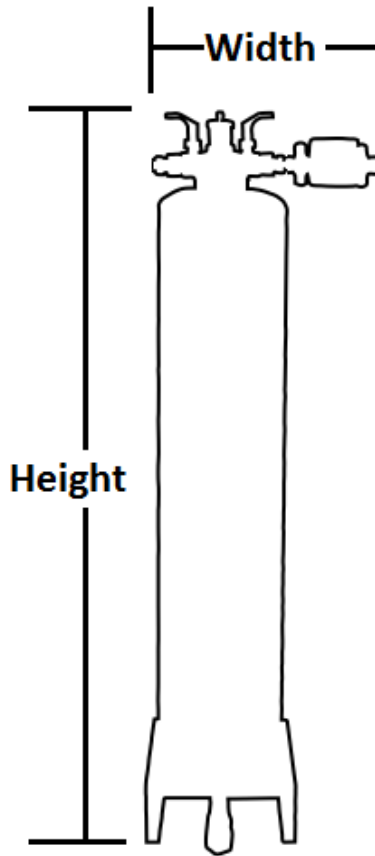


INDUSTRIES LIMITED

Puopal Complete 50
Capacity: volume of completely demineralized water



Puopal	Complete 2	Complete 12	Complete 25	Complete 50
Delivery capacity	.66 gpm (2.5 L/min)	2.6 gpm (10 L/min)	5.3 gpm (20 L/min)	5.3 gpm (20 L/min)
Max. operating pressure	87 psi (600 kPa)	87 psi (600 kPa)	87 psi (600 kPa)	87 psi (600 kPa)
Max. temp.	140 °F (60 °C)	140 °F (60 °C)	140 °F (60 °C)	140 °F (60 °C)
Installed length	18 in. (45 cm)	32 in. (80 cm)	32 in. (80 cm)	32 in. (80 cm)
Height	18 in. (46 cm)	28 in. (70 cm)	45 in. (115 cm)	56 in. (142 cm)
Empty weight	11 lbs (5 kg)	17lbs (7.5 kg)	33 lbs (15 kg)	40 lbs (18 kg)
Resin filling	.5 gal (1.75 l)	3.3 gal (12.5 l)	6.6 gal (25 l)	13 gal (50 l)



SPECIFICATION

The H₂O demineralizer shall be AXIOM INDUSTRIES LTD. model PUROPAL-COMPLETE-_____. System shall include S.S. housing, brass head with air filter, two isolation ball valves, 3/4" brass male GHT inlet and outlet, conductivity and flow meter with programmable conductivity limit, limit warning signal light, automatic water quality monitor, total litres treated display, comes with 3xAAA batteries, and wall mounting bracket. Puropal Complete and flow meter are pressure tested to 87 psi (600 kPa).

ACCESSORIES

- MBR-2**– Mixed bed resin 1.3L (replacement media for the Puropal-Complete 2)
- MBR-12**– Mixed bed resin 12.5L (replacement media for the Puropal-Complete 12)
- MBR-25**– Mixed bed resin 25L (replacement media for the Puropal-Complete 25)
- MBR-50**– Mixed bed resin 50L (replacement media for the Puropal-Complete 50)

LIMITED WARRANTY

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

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