

WHALEY PRODUCTS INC.

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TOPICS COVERED:

How do I add glycol to my unit?

- Standard "SA" Series and "SAP Series chillers have a fill port on the side of the chiller tank. It is typically dry capped/plugged with an NPT plug. The customer can remove the cap, and fill directly into the hole.
- Standard "C" Series and "T" Series pump tank systems and sometimes "SAR" Series indoor pump tank skids utilize vertical storage tanks, which have a removable threaded top cap/manhole, which the Customer can fill the tank from.

Steps for Adding Glycol:

Step #1:

- Before glycol is added to the system fill the internal chiller tank up with WATER ONLY. Check for any visible leaks internally on your chiller unit and plumbing lines. The chiller tank can be filled at the 1.5" plug on the outside of the chiller tank. It is not glued, it is just dry-fitted.

Step #2:

- Turn the pump switch on and run the pumps to get all the air out of the lines.
- **IMPORTANT:** If a flow switch is installed in the circulation loop, the TC110S digital display WILL NOT light up until the flow switch closes. The chiller's TC110 digital readout temperature controller output contact is interlocked with the compressor. The Compressor will not start unless the pumps are running and there is flow. Reference the wiring diagram of your unit to understand this safety mechanism.

Step #3:

- After water has been circulated and pipe connections have been checked for leaks, partially drain tank to required %water/PG mix. Add glycol and refer to manual for glycol percentages/freeze protection. Glycol can be purchased from any local HVAC supply house in the country. You can also purchase from www.ppe.com, which is an online supplier that can UPS it directly to you. WPI does not typically supply glycol. It is easier for our clients and contractors to pick it up locally.

Recommended Glycols:

- Food Grade Application: Rust inhibiting propylene glycol (Propylene glycol is FDA approved and bio-degradable used more in the food and beverage industry)