

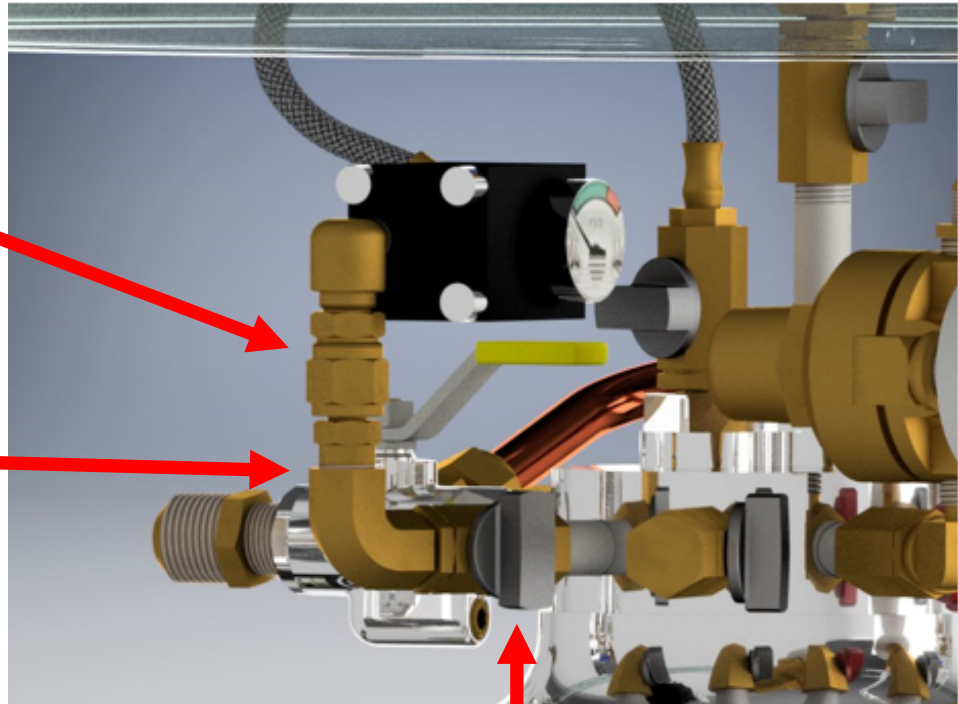


Procedure for Purging the Water out of Vaporizer Coils on a Carbo-Max® Tank

- 1) Turn off all the valves on the tank except the economizer valve to be able to observe tank pressure - **(See Bottom Picture)**
- 2) Take apart High Phase side of the liquid level circuit - **(See Top Picture)**
- 3) Install a ¼" hose barb into the elbow on the high phase isolation valve
- 4) Install ¼" ID hose to barb and route the hose outside to drain the tank, anchoring it to the ground somehow
- 5) Verify the tank has at least 150 psi of pressure, if not, then additional pressure may have to be added through the Sure-Fill™ circuit. - **(See Middle Picture)**
- 6) Open the High Phase valve to begin emptying the tank
- 7) Once the tank is empty, drain the remaining pressure
- 8) Rig up a high-pressure bottle of N₂ with a regulator and ¼" hose, connect the hose to another ¼" hose barb that can be connected to the top of the Sure-Fill tee to slowly purge the inner vessel to warm it up to above 32 degrees. – **(See Middle Picture)**
- 9) When the inner vessel is warmed up, close the high phase valve and pressurize the inner to 100-125 psi.
- 10) Take off the gas use regulators – **(Bottom Picture)**
- 11) Open the gas use valve safely to push the water that is in the internal coils out
- 12) Close the valve, allow to sit with pressure for a couple minutes and open the valve again
- 13) Repeat steps 11 and 12 until there appears to be no more moisture coming out of the coils
- 14) Drop the pressure to about 20-25 psi
- 15) Reassemble the circuits
- 16) Refill the tank with CO₂

Take Apart

Put Hose Barb

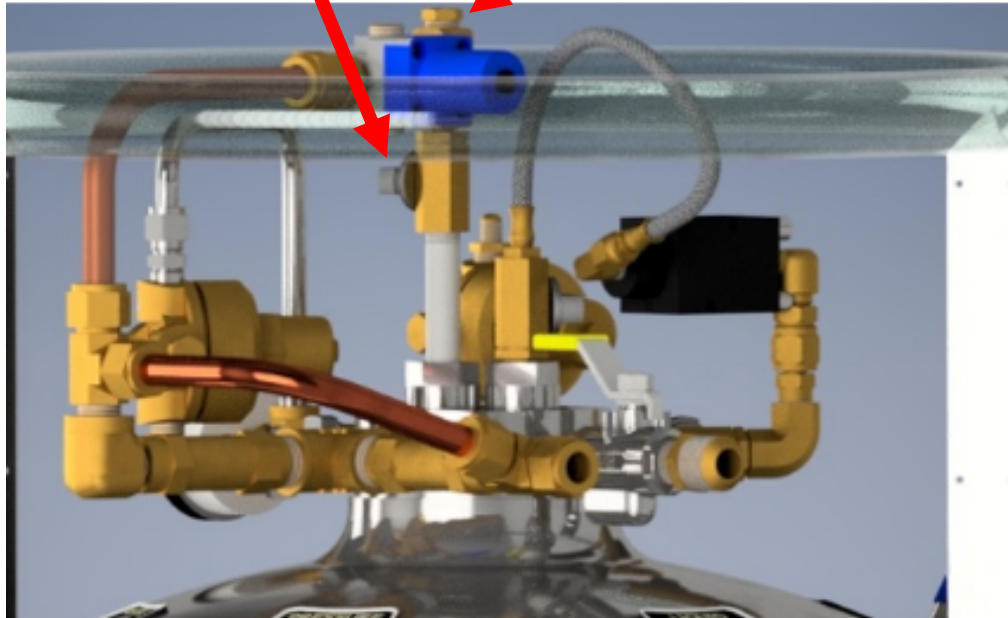


High Phase Valve

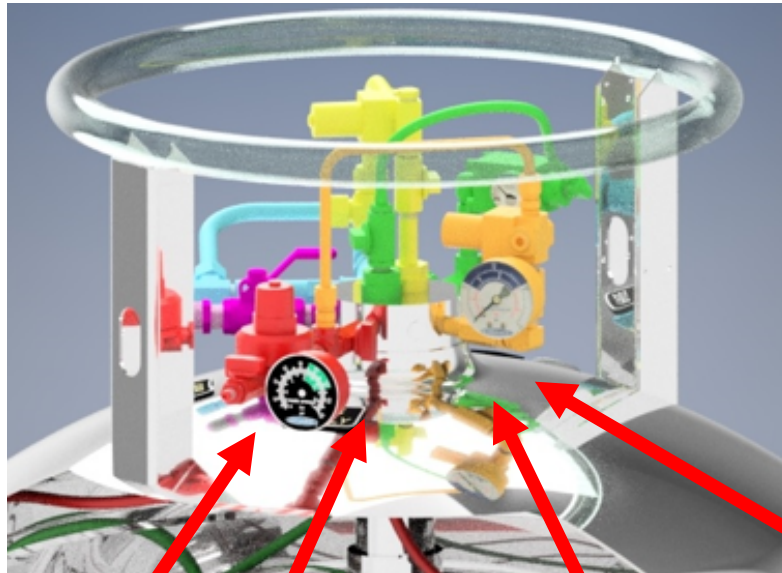
Sure-Fill Valve

Hose Barb to Purge & Pressurize

Sure-Fill Tee Plug



Carbo-Max® Bulk CO₂ System



Gas Use Regulator

Gas Use Valve

Economizer Valve

Tank Pressure Gauge

If you have any questions, you can always call Chart's Customer Service Department for more information at 1-800-247-4446.