

About the UGA Option 02 – Turbo Pump Venting Port

The option 2 turbo pump venting port can be beneficial when a UGA system is frequently subjected to pump-down cycles.

The turbo pump vent valve stops the turbo molecular pump quickly and safely during system shut down, and fills the vacuum system with a vent gas of choice in a controlled manner through a 150 μm orifice.

When the vent valve is connected to a clean dry gas (e.g., Ar, N₂ or air), it helps to maintain your vacuum quality even with repeated system venting cycles. Venting with a dry gas reduces water adsorption on the vacuum chamber walls and allows you to bring your system up faster during the pump down cycles. In addition, venting with a clean gas reduces the accumulation of hydrocarbons in the vacuum system and shortens baking.

The vent valve option can easily be added to an existing UGA system.