

Instructions

Using the Purge Air Set Screw on Vortex A/C Enclosure Cooling Products

The Vortex A/C, when actively cooling at 90 – 100 psig (6.9 bar) will maintain the pressure inside the enclosure at approximately 35" of water column (8.7 kPa). When the mechanical thermostat senses acceptable temperatures in the enclosure, the Vortex A/C will turn off. When off (not actively cooling), the enclosure will not be pressurized. If constant pressurization of the enclosure is desired, the purge air set screw on the Vortex A/C can be removed using the below instructions, resulting in a slight constant positive pressure in the enclosure of about 1" of water column (0.25 kPa):

Remove the small set screw (Fig. 1) that is adjacent the mechanical thermostat on the bottom of the unit with a 3/32" hex bit (or "Allen wrench") (fig. 2). Removing this set screw will allow a small amount (3 scfm) of compressed air to pressurize your sealed enclosure to approximately 1" of water column pressure when the Vortex A/C is not actively cooling. This "pressurization air" will run continuously, independent of the mechanical thermostat operation.

If it is desired to return the Vortex A/C to 'normal' operation, simply install the set screw (10-24 thread) back into the opening in the bottom of the Vortex A/C. This will stop the flow of "pressurization air" into the enclosure.



Fig. 1:
"Purge air" set screw



Fig. 2:
Removing set screw with 3/32" hex bit