

INTERNALLY PURGED VALVES

Technical Note 107

VICI Valco internally purged two position and selector models have two additional ports for a purge gas and O-ring seals on the rotor and driver to eliminate any possible diffusion from the atmosphere into the valve, or safely vent fugitive emissions from the valve.

INSTRUCTIONS

All that is needed is a low flow of carrier gas (2-5 mL/min) in one purge port and out the other. It is important that the flow be controlled to that range, and even more important that the pressure does not exceed 10 psi. Excessive pressure can cause leakage around the O-rings, rendering the purge ineffective.

FIGURE 1: Internally purged 6-port sample injector

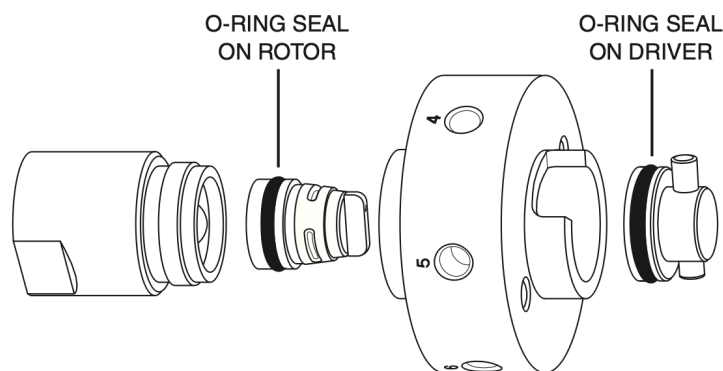
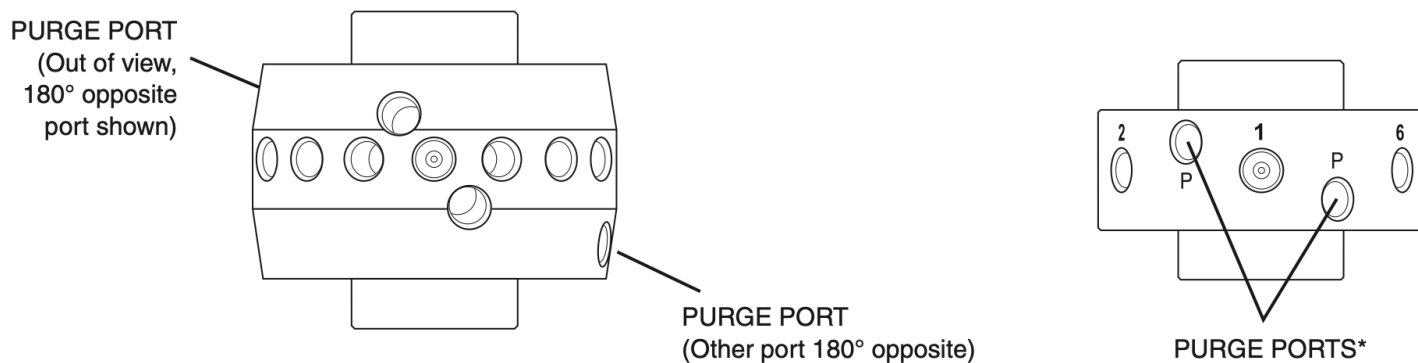


FIGURE 2: Rotate loop toward pre-load assembly



*On internal sample valves, such as I4UW, CI4UW, I6UW, and CI6UW, the purge ports are stamped "PH" instead of "P", to distinguish them from the "P" designation on the pump connection port.