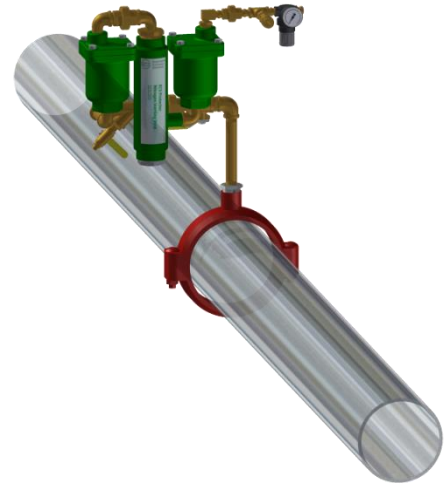


WHY IS A VENT NEEDED FOR WET PIPE NITROGEN INERTING (WPNI)?



A frequent question posed by those new to the WPNI Process. There are four primary reasons:

1. The **ECS Protector Nitrogen Inerting Vent (PAV-WN)** provides a remote location to exhaust oxygen gas from the system piping after filling with nitrogen during the patented “fill and purge” breathing process. The remote venting location facilitates gas mixing within the piping so that trapped oxygen at the ends of the sprinkler system piping can be removed during the purge cycles.
2. The PAV-WN provides an integrated gas sampling port so nitrogen concentration can be verified at the remote portion of the sprinkler system during the WPNI process.
3. When the WPNI process is complete, the PAV-WN automatically exhausts trapped gas from the sprinkler system as it fills with water. This prevents false alarms related to large volumes of compressible trapped gas and improves hydraulic performance in the sprinkler system.
4. In the event that a nitrogen atmosphere is not maintained during subsequent sprinkler system maintenance the vent still provides a failsafe automatic mechanism for removing trapped oxygen, thereby reducing the threat of collateral corrosion activity.

Features of the ECS Nitrogen Inerting Vent

- The only device approved for use with Wet Pipe Nitrogen Inerting (WPNI)
- Patented device with redundant float valves – does not require plumbing to drain
- Integral pressure regulating device prevents unintended venting of nitrogen gas during WPNI process



Complete Corrosion Control.