

**Technical Advisory
Cold Weather**

Crimping in Cold Conditions:

- It is acceptable to crimp using Vanguard Pipe and Fittings in low temperatures. The lowest recommended temperature is -30°C.

Pressure Testing in Cold Conditions:

- Air pressure testing of a CANPEX plumbing system is acceptable and preferred to hydrostatic testing in areas where cold weather could freeze the system or where water is not available.
- Vanguard recommends that the installer pressurize the system with compressed air or another acceptable test medium, such as dry nitrogen, after installing and capping distribution lines.
- Air testing shall utilize a pressure of not less than 40 psi and not greater than 100 psi.
- The system shall be tested for a minimum of 15 minutes.
- During the test, system pressure shall drop no more than 8 psi in the one hour period.
- Test shall be conducted when significant changes to temperature AREN'T expected. Please note significant changes in ambient temperature also can affect system pressure.
- WATER (NOT ANTIFREEZE SOLUTION) MUST BE PURGED OR DRAINED FROM THE SYSTEM IF TEMPERATURES ARE EXPECTED TO FALL BELOW FREEZING (32°F, 0°C). Low pressure compressed air can be used for purging.
- FOLLOW ANTIFREEZE MANUFACTURERS INSTRUCTIONS FOR CONCENTRATIONS. USE ONLY NON-TOXIC ANTIFREEZE APPROVED FOR USE IN DRINKING WATER SYSTEMS.

Ben Kapusta
Quality Assurance Manager
Vanguard Pipe & Fittings Ltd.