

Guidelines for Cartridge Installation in Sub-Freezing Conditions

Although Falcon urinals are not designed to operate when the contents of the cartridge are frozen, the urinal may be installed in locations where the contents of the cartridge will remain frozen for extended periods (e.g. parks, campgrounds, etc.). A frozen cartridge will maintain a trap, thereby preventing the escape of sewer gases during months when the system is frozen and out of service. The information below details how to maintain your Falcon system during extended periods when the cartridge is frozen.

Cartridge & System Performance

Preparation: Prior to freezing it is recommended that the already-primed cartridge(s) be purged of urine. This can be accomplished without losing the sealant by slowly pouring 32 ounces of clean water into the cartridge. The water will displace the urine and prepare the cartridge for freezing

Impact of Freezing on Cartridge: the cartridge has enough room inside for ice to expand and, because it is not sealed like a water supply pipe, there will be no damage to the drain line or urinal.

Remove Frozen Cartridge from Service:

The Falcon system will not operate properly when the cartridge is frozen. Appropriate signage or other precautions should be taken to ensure users know the system is out of service.

Re-Starting After Thawing: Once fully thawed, typically in the spring, it is recommended that the cartridge be tested. Testing simply involves ensuring there is sealant present in the cartridge (check by dipping a thin piece of rolled-up paper towel into the center holes), then slowly pouring water into the cartridge. If fluids flow normally, the urinal should be ready for normal operation. If there are odors and/or a slow flow of fluids, it is recommended that the cartridge be changed before returning the system to service.

Service Support: While there should be no reason for any damage or performance issues with the urinal(s) due to freezing, should there be problems that cannot be eliminated by simply changing the cartridge, please contact our Customer Experience Department for prompt service support.

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