

BALON®

FREEZE RESISTANT UNI-DIRECTIONAL OPTION



UNI-Directional Valve

UNI-Directional Modification for Freeze Resistance

While no design can prevent a valve from freezing, Balon offers a UNI-Directional option that reduces the likelihood of a temporary freeze resulting in permanent damage to the valve. This design modification incorporates a relief hole in the upstream side of the closed ball. When water trapped inside the ball cavity freezes and expands, the relief hole allows dissipation of the increased internal pressure.

As shown in the photographs, the addition of the relief hole renders the valve uni-directional with the body side of the valve positioned upstream for proper sealing and operation on the downstream seat. The UNI-Directional option is also an effective way to reduce the possibility of pressure build-up due to thermal expansion. Balon's freeze-resistant, UNI-Directional option is available on every floating ball valve Balon offers. Please call the factory for pricing and availability when requesting the freeze resistant, UNI-Directional option.



Relief Hole, Upstream
When Valve Is Closed

