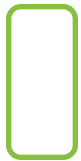


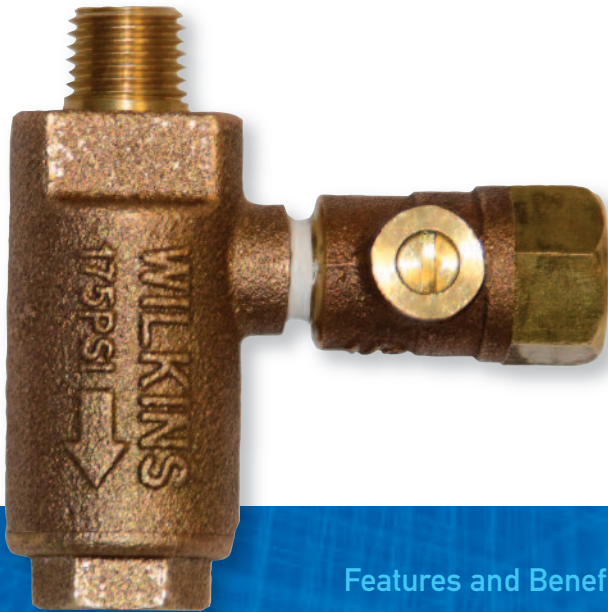


WILKINS



Model ZWFR

Freeze Prevention Valve



Features and Benefits

Backup Freeze Protection

- Ideal for regions where occasional/unexpected freezes occur, yet winterization (blow-out) is not common
- Hassle free, simple mechanical operating principle requires no periodic maintenance
- Corrosion resistant, rugged bronze body
- Ideally suited for double check and reduced pressure assemblies, vacuum breakers, and detector assemblies on large backflow products

Field Retrofit Ready

- 1/4" MPT inlet port installs on all major brands of backflow preventer
- Compact size and shape allow for ease of installation
- Can be installed without system drain or shutdown



Freeze Valve installed on 975XL Backflow Preventer



Freeze Valve Installed on 420XL Vacuum Breaker

Model ZWFR Freeze Prevention Valve

FEATURES

Sizes: 1/4"

Maximum working water pressure175 PSI
 Maximum working water temperature140°F
 Inlet connection1/4" MNPT
 Nominal opening temperature35°F
 Nominal closing temperature40°F
 Test cock1/8" MNPT X 1/4" FNPT

TYPICAL INSTALLATION

The Model ZWFR should be installed on the downstream test cock or downstream attached piping of any backflow device installed above ground where freezing is a concern.

NOTICE: If the Model ZWFR is installed on a test cock, the test cock must be left in the open position to allow the ZWFR to function properly. The device is best suited to be installed in the vertical down position, but may also be installed at any orientation up to horizontal ranging from side (horizontal) to down.

Orientations above horizontal may cause an ice dam during operation and impair valve function. The device is not intended to replace the standard winterization process.

WARNING: Under freezing conditions the Model ZWFR will discharge water from the outlet port. Provisions must be made to ensure that discharge will not damage surrounding property or equipment.

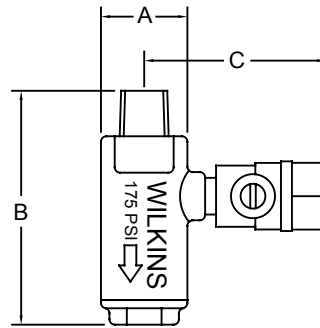
APPLICATION: Designed to prevent freeze damage to backflow preventers installed above ground in geographical regions subject to occasional freezing. The model ZWFR senses water temperature and opens at 35°F to discharge near freezing water from the backflow device and draw warmer supply water through the valve. The model ZWFR closes when water temperature reaches 40°F.

STANDARDS COMPLIANCE

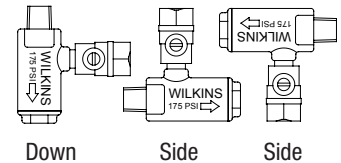
- IAPMO LISTED - IGC 163-2001r1

MATERIALS

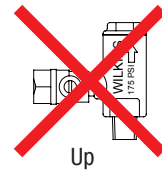
Body Cast Bronze, ASTM B 584
 O-rings Buna Nitrile (FDA approved)
 Spring Stainless steel, 300 series
 Internals Brass, ASTM B16



Correct Installations



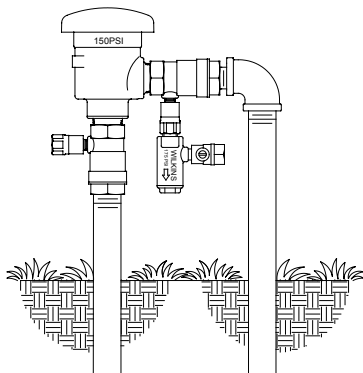
Incorrect Installation



DIMENSIONS AND WEIGHTS (do not include pkg.)

Part Number	Dimensions (approximate)						Weight		
	Inlet Size	A		B		C		lbs.	kg
		in.	mm	in.	mm	in.	mm		
14-ZWFR	1/4 NPT	1	24	2 37/64	65.3	2	50.1	0.5	.23

Model 720A W/ZWFR



Direction of Flow →

Model 975XL W/ZWFR

