

Anti-Freeze Valve - 1/2 Inch

Anti-freeze valve is a reliable and automatic freeze protection valve designed to protect water supply lines from freezing. This thermostatic valve controls flow based on temperature variations to prevent frozen or bursting pipes which can lead to downtime and hefty repair expenses while minimizing water waste.

Installed at the lowest point or dead leg branch, Anti-freeze valve utilizes thermostatic wax actuator technology to monitor ambient or water temperatures automatically and will bleed off the cold water in the lines before freezing can occur.

Depending on the application needs, the Anti-freeze valve can be installed in either the standard or reverse flow orientation. In standard flow orientation, the wax actuator will sense the ambient temperature to initiate flow and then respond to water temperature once flow is established. In reverse flow orientation, the wax actuator will sense the water temperature at the point of installation to initiate flow and continue to respond to water temperature once flow is established.



PRODUCT CODE

EAA971

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KEY FEATURES

- Stainless steel body, fittings, spring and plug
- Corrosion resistant - long service life
- Narrow temperature band
- Compact, low mass - fast response
- Ram-type plug for reliable tight shutoff
- Downstream actuator for greater sensitivity
- Sensitive to temperature only
- Unaffected by pressure variations
- Easy installation with pipe wrench
- Discharges the minimum amount of water required to prevent freeze damage

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TECHNICAL DATA

Inlet / Outlet Connection	1/2" (NPTF) female
Size	33 (D) x 114 (L) mm
Weight	0.41kg
Port Size	C
Valve Flow Coefficient (C _v)	1.3
Maximum Operating Pressure	1030 kPa

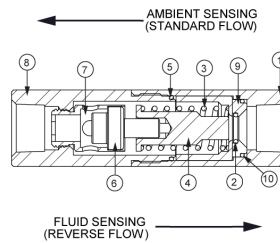
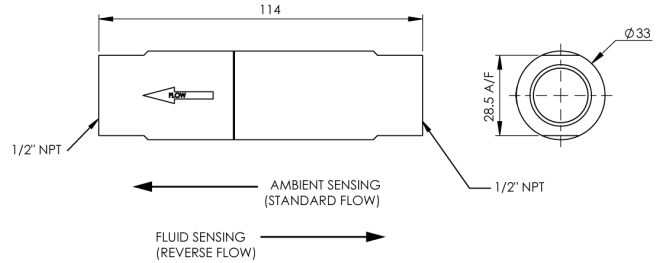
1. Close/Open temperatures: 1.7-4.4°C, opens gradually at 4.4°C, fully open at 1.7°C and remains open until water temperature is 4.4°C or higher. Closing temperature is typically 5°C above full open temperature.

2. Seal material compatibility: EPDM - air, water, steam, ketones, and synthetic hydraulic oils.

3. A #20 mesh strainer is recommended for use with all port sizes (not supplied).

4. With the valve installed in the standard flow direction, thermal actuator will respond to atmospheric temperature changes to initiate flow, then respond to water temperature once flow is established.

With the valve installed in the reverse flow direction, thermal actuator will respond to water temperature only.



ITEM	DESCRIPTION	MATERIAL
1	BODY - HALF	300 Series SS
2	SEAT SEAL	FEP Encapsulated Viton
3	OPERATING SPRING	300 Series SS
4	RAM-TYPE PLUG	300 Series SS
5	BODY SEAL	EPDM
6	THERMAL ACTUATOR	300 Series SS
7	ACTUATOR CARRIER	300 Series SS
8	BODY - HALF	300 Series SS
9	SEAT INSERT	300 Series SS
10	SEAT INSERT SEAL	EPDM

Due to ongoing Research and Development, specifications may change without notice.
 Component specifications may change on some export models.
 Refer to warranty statement for warranty details - www.enware.com.au/warranty.