



MARS Z-PLATE STRAINERS



Fabricated Steel: 1.5", 2", 3", 4", 6", 8", 10", 12", 16", 18", 20" & 30"
Bronze: 1.5", 2", 3", 4" & 6"

Description

Operation: Z-Plate Strainers are designed to protect water meters from the effects of foreign matter and debris. The Z-Plate design is beneficial to the hydraulics of a water line by canceling the turbulence and providing smooth, laminar flow, thereby reducing the need for the installation of 8 to 10 diameters of straight pipe ahead of the in-line meter.

Installation: The Z-Plate Strainers should be installed upstream from the in-line meter.

Application: The placement of the Z-Plate Strainer ahead of the in-line meter will maximize revenue and extend the life of the measuring element. To be used only in POTABLE COLD WATER up to 120° F (50° C) and Working Pressure up to 150 PSI. Working Pressure tests are performed prior to shipment. No further adjustments are required before installation.

Maintenance: The Z-Plate Strainers can be easily serviced without removal from the main line.

Compliance to Standards: The Z-Plate Strainers comply with all material and design requirements of the American Water Works Association Standards C701 and C702, as most recently revised.

Construction

Fabricated Steel

- Operation Pressure: 150 PSI
- Operation Temperature: 120° F
- Maximum Pressure Loss: Less than 1 PSI at Max. flow.
- Main Case: Steel Epoxy Coated.
- Screen: 304 Stainless Steel
- Bolts: 316 Stainless Steel
- O-Ring: Rubber, BUNA-N, 70 Durometer
- Flanges: ANSI B 16.1 Class 125

Bronze

- Pressure Range: up to 150 PSI maximum working pressure.
- Temp. Range: 300° F Maximum
- Body & Cover: No Lead Bronze
- Bolts: Stainless Steel
- Screen: Removable heavy gauge 3/16" perforated stainless steel
- Gasket: Velbuna