

For Non-Health Hazard Applications

Job Name _____

Contractor _____

Job Location _____

Approval _____

Engineer _____

Contractor's P.O. No. _____

Approval _____

Representative _____

LEAD FREE*

Series LF406

Detector Check for Automatic Fire Sprinkler Systems

Size: 2"

The FEBCO Series LF406 Detector Check is designed for automatic fire sprinkler systems. It includes an optional metered bypass to measure water loss from leaks or unauthorized usage. The Series LF406 Detector Check is not a backflow prevention assembly and should not be used as such.

Features

- Meter detects leakage and/or theft of water from Automatic Fire Sprinkler Systems
- Can be installed horizontally or vertically (up or down)
- Center-stem-guided, spring-loaded check for more positive seating
- Replaceable stainless steel seat ring
- Reversible seat disc for ease of service
- Lead Free* copper silicon alloy body and cover
- End Detail – 2 Bolt Meter Flange

Operation

In a non-flowing condition, the mainline check and by-pass check are closed and the meter is stopped. When water begins to flow, the by-pass check opens and the meter begins to register. When the pressure drop across the valve approximates 1.5psi (10.3 kPa), the mainline check opens and allows full flow of water. The by-pass meter and check remain operating and open at all flow rates.

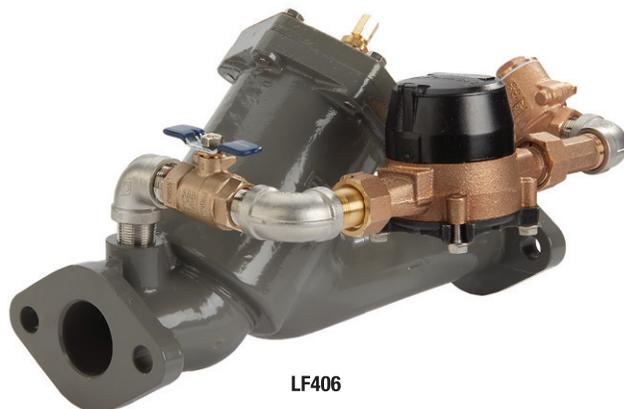
Specifications

The Detector Check 2" (50mm) mainline valve shall consist of an internally spring loaded "Y" pattern check valve having a lead free* copper silicon alloy body, lead free bronze replaceable bushing in the cover, a stainless steel replaceable seat ring, stainless steel spring and delrin disc holder to insure positive check seating.

The bypass line shall consist of a ¾" (20mm) IPS shut-off valve, bronze totalizing water meter and a bronze single check valve in series. The unit is also available without bypass.

NOTICE

Inquire with governing authorities for local installation requirements



The assembly shall be rated to 175psi working pressure and water temperatures from 32°F to 110°F (0°C to 43°C).

Pressure – Temperature

Sizes:	Mainline: 2" (50mm) By-pass: ¾" (20mm) IPS
Maximum Working Pressure:	175psi (12.1 bar)
Hydrostatic Test Pressure:	350psi (24.1 bar)
Temperature Range:	32°F to 110°F (0°C - 43°C)

Materials

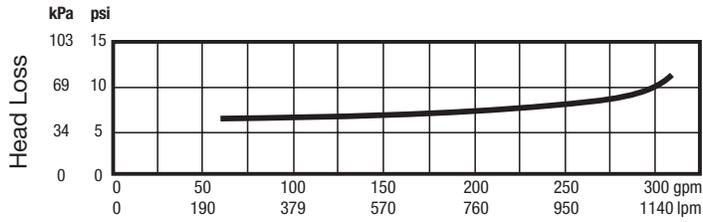
Main Valve Body:	Lead Free* copper silicon alloy
Seat Ring:	Stainless Steel
Disc Holder:	Delrin
Spring:	Stainless Steel
By-pass Meter:	Bronze Totalizing Water Meter Optional (gpm or cfm)

⚠ WARNING

It is illegal to use this product in any plumbing system providing water for human consumption, such as drinking or dishwashing, in the United States. Before installing standard material product, consult your local water authority, building and plumbing codes.

*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

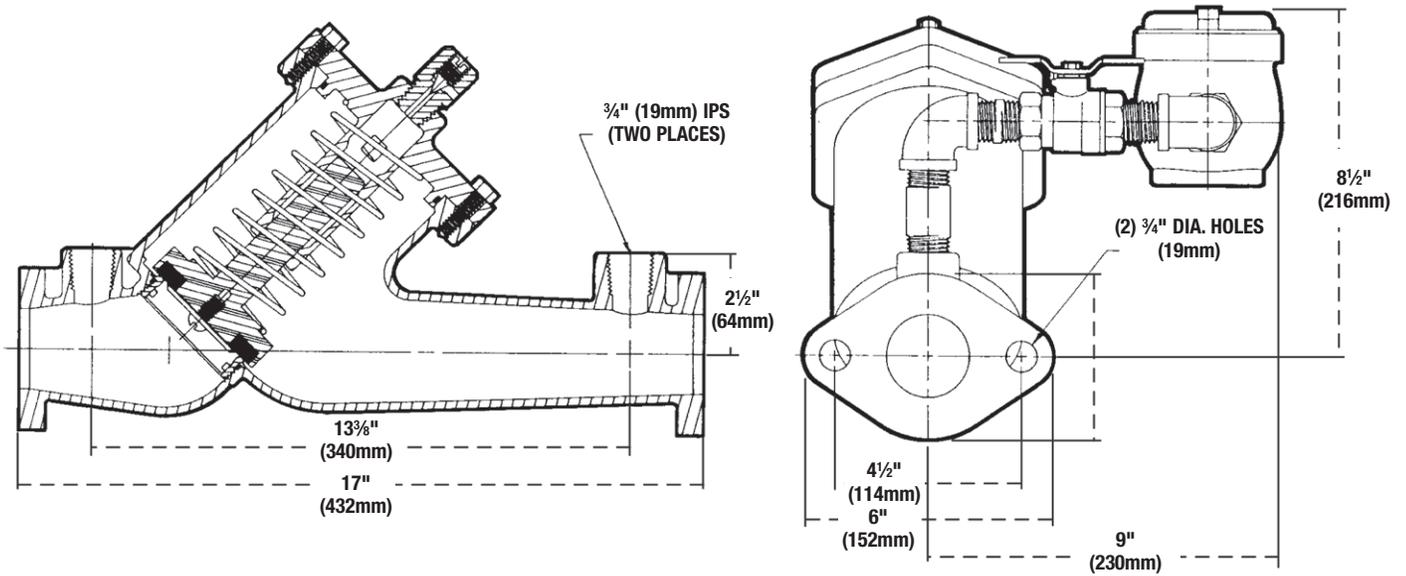
Capacity



NOTE:

Velocities are calculated for flows in Schedule 40 steel pipe.

Dimensions



A WATTS Brand

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