

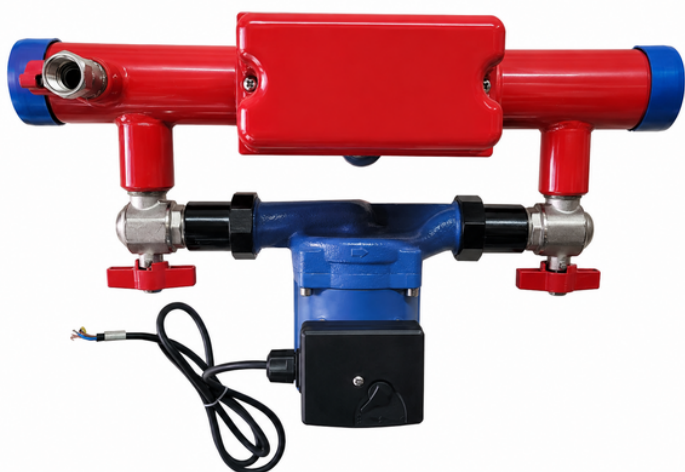
**BLAZE**

Installation & Operation Manual

Zonecheck Water Flow Detector Testers (BT 5250)

Description:

The BT 5250 Zonecheck Flow Detector Tester provides an automatic method of carrying out the quarterly flow detector testing required by NFPA 25. It operates using a closed-loop system that recirculates water to simulate sprinkler operation, enabling the flow switch to be tested without discharging water. This improves testing efficiency, conserves water and minimises disruption to the fire protection system.



Installation :

Caution: The Zonecheck Flow Detector Tester must be installed by a competent fire sprinkler installer and electrically connected by a qualified electrician.

- The Zonecheck is designed for installation on wet-pipe sprinkler systems using two grooved couplings.
- Isolate and drain the selected sprinkler zone before installation.
- Install the Zonecheck using two grooved couplings, as shown in the installation drawing.
- Ensure the flow direction arrows on the Zonecheck correspond with the direction of water flow in the system.
- When correctly installed, the pump body should be in a horizontal position.
- For horizontal pipework, the flow switch must always be mounted on the top of the pipe.
- For vertical pipework, install the Zonecheck only in upward flow (up-flow) applications to ensure correct operation.

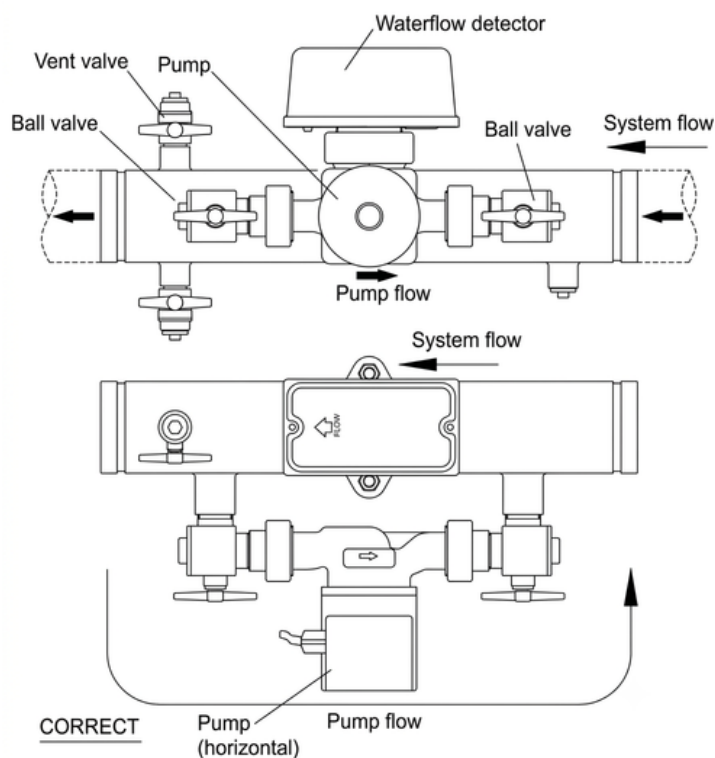


Fig. Correct Horizontal Installation

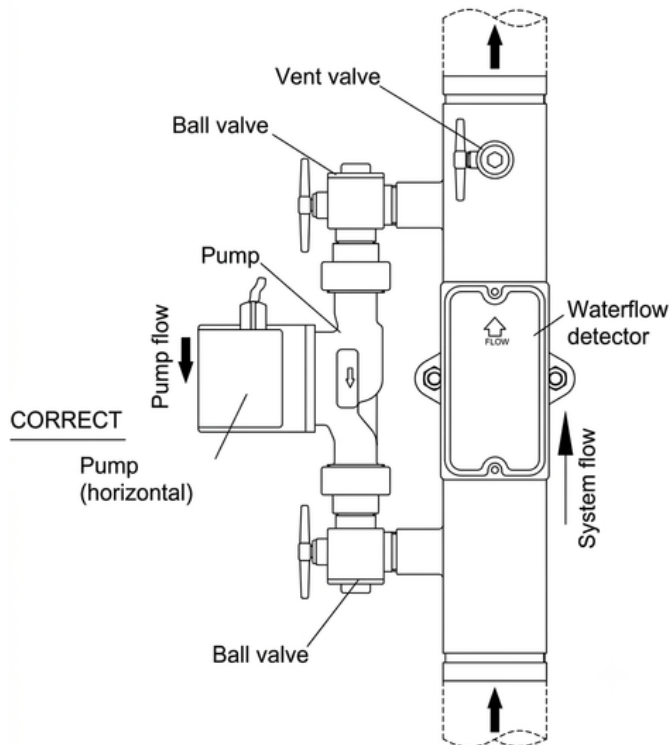


Fig. Correct Vertical Installation

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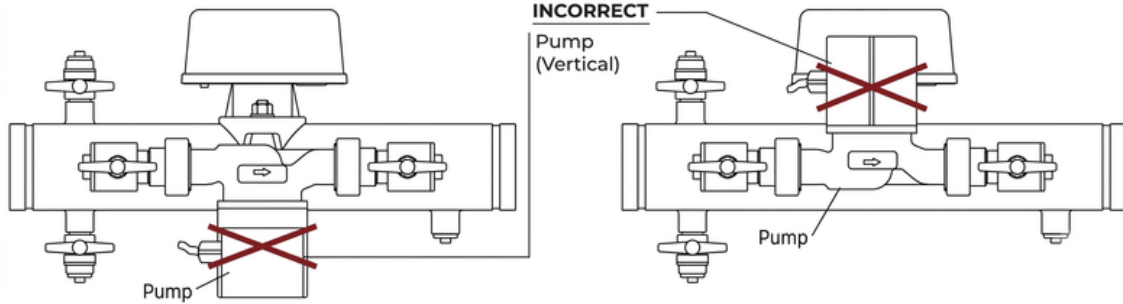
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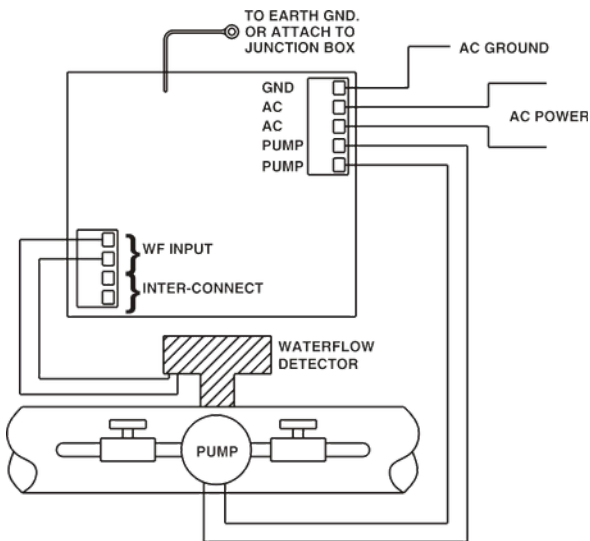
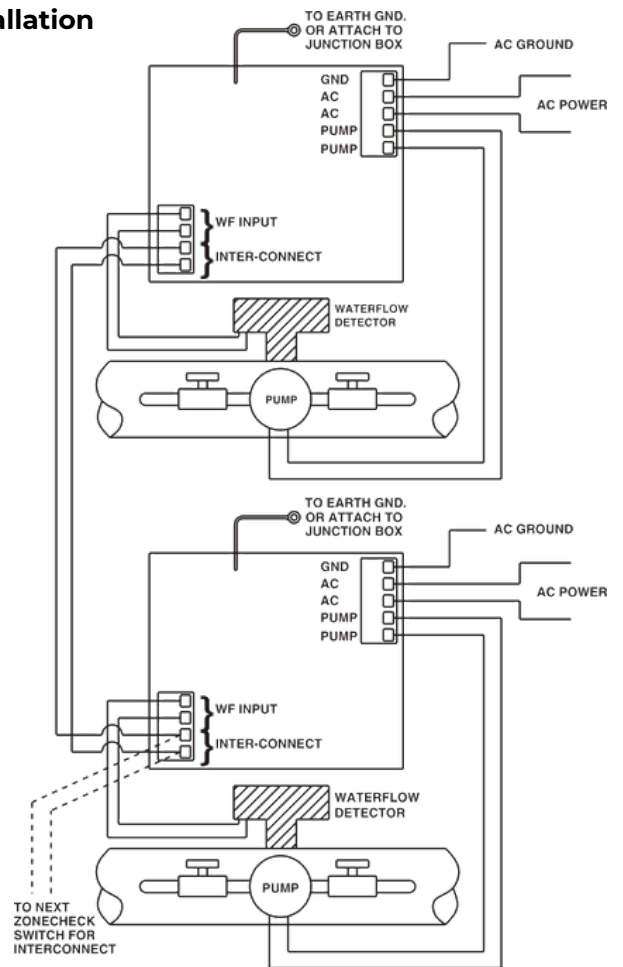
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**Fig. Incorrect Installation****Wiring :**

- Connect the Zonecheck pump and flow switch to the monitoring unit in accordance with the relevant wiring diagrams provided.
- Connect the flow switch to the appropriate fire detection and alarm control panel in accordance with the applicable wiring diagrams and local electrical regulations.

**Fig. For Standalone Application****Fig. For Interconnecting Multiple Zonecheckunit****Pre-operation Guidelines :**

- **Caution:** Only operate the Zonecheck Flow Detector Tester when the isolation valves are fully open and the sprinkler system is completely filled with water.
- Notify the central monitoring station or the appropriate fire safety personnel before commencing the test.
- Ensure that both the red and blue valves on the tester are fully open.

- Remove the vent plug from the uppermost vent valve.
- Keep the vent valve open until all trapped air has been expelled and a steady flow of water is discharged.
- Close the vent valve securely.
- Refit and tighten the vent plug before carrying out the test.

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