

Description

The FIRE KILL™ FLT Unit has been designed to assist inspectors when undertaking the single nozzle flow alarm testing of the WAC Alarm valve. The FLT Unit is calibrated to the flows from the system low pressure water mist nozzles. The specific FLT unit size should be selected based on the low-pressure water mist nozzle having the lowest K-value. The unit can also be used as a drain connection to evacuate air in the system to avoid air pockets.

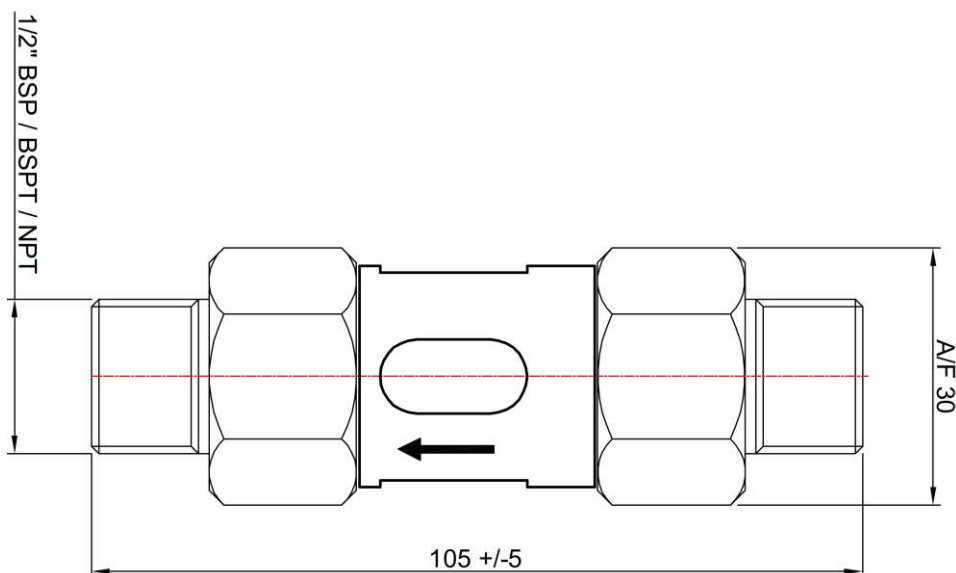


Technical data

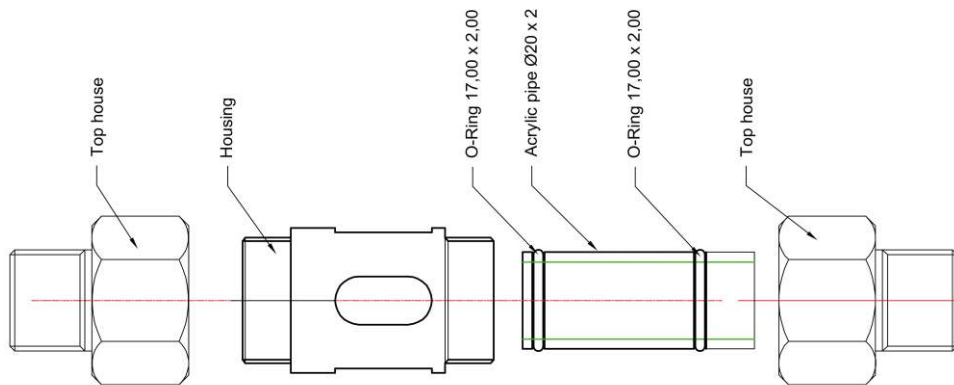
| General description | |
|------------------------|----------------------------|
| Minimum water pressure | 2 bar |
| Maximum water pressure | 16 bar |
| K-factor (metric) | Depending on nozzle fitted |
| Material housing | Naval brass |
| Material sight glass | Acryl |
| Inlet | ½" BSP / BSP-T / NPT |
| Outlet | ½" BSP / BSP-T / NPT |
| Finish | NiSn plating |
| Weight | 0,28 Kg |

| Type | Nozzle K-factor (metric) | FLT K-factor (metric) | Orifice dia. (mm) |
|--------|--------------------------|-----------------------|-------------------|
| FLT-7 | 7,0 – 10,9 | 7,0 | Ø 4,20 |
| FLT-11 | 11,0-16,9 | 11,1 | Ø 4,90 |
| FLT-17 | 17,0-23,9 | 17,0 | Ø 6,30 |
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Dimension



Exploded view:



Operation

To run a test, open the ball valve fitted between the FLT and the pipe. Note that rotating the valve to open position is intended to operate the low-pressure water mist system waterflow alarm. Slowly return the handle to the closed position when all testing and draining functions have been completed.

Installation:

Each zone of the FIRE KILL™ low pressure water mist system shall incorporate flow test units (FLT) also named inspector's test connection (ITC) positioned to local code requirements. If the system is a wet type system, the FLT shall generally be located immediately downstream of the waterflow alarm switch for the zone. An FLT Unit should also be installed at the most remote location in the system or floor zone dependent upon design. A ½" ball valve should be installed between the unit and the system pipe. The valve should be locked in closed position.

Each FLT shall discharge as code requirements, or outdoors or into an open-site drain located in a mechanical equipment room. Any drain that is used for this purpose shall be capable of accepting the full flow of water under system pressure without creating water damage to the surroundings. In order to facilitate routine inspection, FLT's shall not require the use of ladders or temporary hoses.

Ordering

When ordering the FLT unit, the orifice diameter must be specified in accordance with the data on page 1.

The FLT K-value shall be equal or lower than the nozzle installed.

Contact

For further information on FIRE KILL™ products, please contact our sales department at Sales@vidfirekill.com

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