

Full Floating Clapper Assembly

Description

The bronze* swing check valve features a full floating clapper assembly that provides for a positive seal each time the valve is cycled. This feature improves the swing check valves ability to “clear” any debris that may be present in the water supply. The seat material is NBR which provides for a positive seal even under light residual pressures.



Installation

For horizontal installation only. The female by female swing check valve should be installed in accordance with commonly used installation practices for the fire sprinkler industry. Proper seal of the threads can be accomplished by applying a liberal amount of PTFE based thread sealant such as PipeFit[®] Thread Sealant Paste or PTFE Tape. Never use tape and paste together. This will cause excessive stress on the threaded connection leading to failure of the valve. Do not exceed one full turn past hand tight when installing male threads into the check valve.

Warning

DO NOT OVER TIGHTEN. Over tightening during installation will crack the valve body. Evidence of overtightening may not be readily visible or apparent upon pressurization.

No user serviceable parts.

Specifications

Valve Body:
Cast Bronze*
(85-5-5-5)

Clapper Assembly:
Forged Brass

Seat:
NBR (Chloramine Resistant)

Sizes:
1/2" IPS
3/4" IPS
1" IPS
1 1/4" IPS
1 1/2" IPS
2" IPS

Female by female

Rated Pressure:
250 psi

*Contains lead. Not for use in water systems intended for human consumption.



5937 DARWIN CT. SUITE 105
CARLSBAD, CA 92008
+ 1 (800) 344-1822
+ 1 (800) 344-3775 FAX

© 2018 Fire Protection Products, Inc.

Check Valve with Orifice

INSIST ON
FPPI

for Pressure Sensing Line

Description

FPPI's 1/2" IPS Brass* Check valve with 3/32" orifice is specifically designed for use in the pressure sensing line for fire pump systems. The 1/2" swing check with a 3/32" orifice will provide adequate pressure drop in the sensing line without allowing unnecessary pump starts due to major pressure fluctuations that may be indicated in the larger diameter (1/2") line. Check with pump manufacturer for proper use.



Installation

Install in the pressure sensing line according to the fire pump manufacturers recommendations using appropriate tools and sealants. Make sure excess thread sealants are not introduced inside the check valve during assembly. Excess sealants will clog the 3/32" orifice preventing proper sensing line function.

Specifications

Material:
Cast Brass*
Hard Seat

Size:
1/2" IPS with 3/32" orifice

Finish:
Rough brass

*Contains lead. Not for use in water systems intended for human consumption.



3198 LIONSHEAD AVE
CARLSBAD, CA 92010
TEL + 1 760 599-1168
+ 1 800 344-1822
FAX + 1 800 344-3775

© 2012 Fire Protection Products, Inc.

WWW.FPPI.COM