

Swing Check Valve – Full Floating Clapper Assembly Fig. 06-866



Specifications

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

Clapper Assembly:
Forged Brass

Seat:
NBR (Chloramine Resistant)

Sizes:
½" IPS
¾" IPS
1" IPS
1¼" IPS
1½" IPS
2" IPS

Female by female

Rated Pressure:
250 psi

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

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.

 **WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov



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PROJECT INFORMATION	APPROVAL STAMP
Project:	Approved
Address:	Approved as noted
Contractor:	Not approved
Engineer:	Remarks:
Submittal Date:	
Notes 1:	
Notes 2:	

Check Valve with Orifice – for Pressure Sensing Line **Fig. 06-860**



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.

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.



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