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

Description

The Brass 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.

Specifications

Valve Body
Brass (ASTM B21)

Clapper Assembly
Brass (ASTM B21)

Seat
NBR

Sizes
- ☐ ½" IPS
- ☐ ¾" IPS
- ☐ 1" IPS
- ☐ 1¼" IPS
- ☐ 1½" IPS
- ☐ 2" IPS

Female by female

Rated Pressure
250 psi

Rated Temp
-20 °F — 180 °F

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
☐ ½" IPS with 3/32" orifice

Finish
Rough brass

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

Description

FPPI's ½" IPS Brass* Check valve with 3/32" orifice is specifically designed for use in the pressure sensing line for fire pump systems. The ½" 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 (½") line. Check with pump manufacturer for proper use.

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Check Valve Installation
Fig. 06–866, Fig. 06–860

Installation Instructions

Connection to the Male Threaded Connection

1. Inspect both male and female threads prior to assembly. Threads should be free from mechanical damage, dirt, chips, and excess cutting oil. Clean components as necessary.
2. Apply pipe dope, sealant, or tape to the male NPT thread on the pipe.
3. Thread into the Valve. Tighten the assembly wrench-tight by placing the pipe wrench on the pipe section. Only place the pipe wrench on the unthreaded portion of the inlet pipe.
4. Typical wrench-tight makeup is 3 full turns past hand-tight. Typical hand-tight makeup is between 4½ to 5 turns.