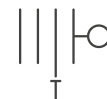


A140, A140G



Fire
Protection

Swing check valve

Manual
1230EN 09/2026



Swing check valves are a simple design, using a disc attached to an arm that is hinged at the top of the valve. Reverse flow and gravity assist the valve in closing. A swing check valve is installed downstream of the Fire Department inlet connection.

➤ Versions and product codes

SERIES	SIZE	FINISHING
A140	4"NPT-M x 4"NPT-F	Rough brass
A140G	4"NPT-M x 4"Groove	
	4"Groove x 4"Groove	

➤ Technical data

- Rated pressure: 250 PSI (17,2 bar)

Materials

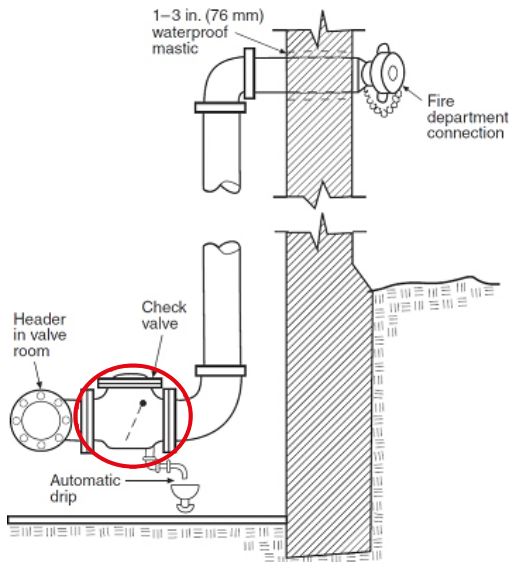
- Body and clapper: forged brass CuZn40Pb2 in accordance with European Standard EN 12165 CW617N, similar to American Standard ASTM B124 C37700
- Yield stress of the material in the shape of bar: 360 MPa
- Stress for permanent distortion R(0.2): 138 MPa
- Elongation: 10 %

Approvals for A140G

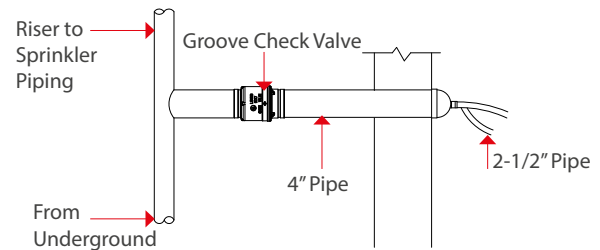


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► Installation



The installation as shown in the picture is required by NFPA 14, see figure below for a typical Fire Department connection for wet standpipes:



NOTE. These valves can be installed horizontally (clapper hanging in upper position) or vertically (with flow in upward direction). Flow direction indicated by the arrow on the body must always be considered.

For installation requirements refer to NFPA 13 for sprinkler systems or to NFPA 14 for standpipe and hose systems. These check valves are to be tested after installation in accordance with NFPA 14 whichever is applicable and tested periodically in accordance with NFPA 25.

- 1) Check the size and the thread or groove type of the connections before connecting them to pipes or other components.
- 2) When the system has been thoroughly flushed, ensure that all debris and impurities are removed.

The check valve must be installed on a properly sized threaded NPT or grooved pipeline using appropriate tools. During the installation pay attention not to deform any part of the piece, as this could compromise the functioning.

After installation, verify the tightness through a pressure test.

The installation has to be in accordance also with local Standards and indications of the Authorities Having Jurisdiction (AHJ).

► Maintenance

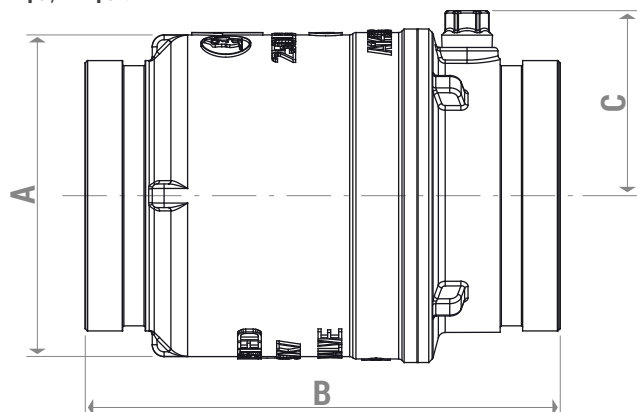
The check valve should be inspected periodically and after each use. Clean unit as necessary, check to be sure the swivels move freely, and clapper closes properly.

For inspection, testing and maintenance requirements of Water-Based Fire Protection Systems refer to NFPA 25.

- 1) It is recommended to conduct at least yearly a flow test.
- 2) The check valve should be inspected for damage or corrosion and is not designed to accept replacement parts other than the swivels.
- 3) The swivels should be operated by hand, if not tighten; to untighten never using a torque bar or other device to exert an excessive pressure. Excess torque may damage the threads and other working parts.
- 4) If the check valve fails to perform as intended, the piece should be replaced.

➤ Dimensions

A140, A140G



SIZE	A	B	C
4" x 4"	5-23/64"	7-29/32"	3"

➤ Product specifications

A140 - 4"NPT-M x 4"NPT-F

Swing check valve used to allow flow in designated direction only and to prevent the backflow with main feature as following:

- Forged brass body
- Forged brass clapper
- 4" male NPT inlet
- 4" female NPT outlet
- Rated pressure 250 psi
- FM approved, UL and ULC listed

A140G - 4"NPT-M x 4"Groove

Swing check valve used to allow flow in designated direction only and to prevent the backflow with main feature as following:

- Forged brass body
- Forged brass clapper
- 4" male NPT inlet
- 4" groove outlet
- Rated pressure 250 psi
- FM approved, UL and ULC listed

A140G - 4"Groove x 4"Groove

Swing check valve used to allow flow in designated direction only and to prevent the backflow with main feature as following:

- Forged brass body
- Forged brass clapper
- 4" groove inlet
- 4" groove outlet
- Rated pressure 250 psi
- FM approved, UL and ULC listed

⚠ Safety Warning. Installation, commissioning and periodical maintenance of the product must be carried out by qualified operators in compliance with national regulations and/or local standards. A qualified installer must take all required measures, including use of Individual Protection Devices, for his and others' safety. An improper installation may damage people, animals or objects towards which Giacomini S.p.A. may not be held liable.

♻ Package Disposal. Carton boxes: paper recycling. Plastic bags and bubble wrap: plastic recycling.

ℹ Additional information. For more information, go to giacomini.com or contact our technical assistance service. This document provides only general indications. Giacomini S.p.A. may change at any time, without notice and for technical or commercial reasons, the items included herewith. The information included in this technical sheet do not exempt the user from strictly complying with the rules and good practice standards in force.

♻ Product Disposal. Do not dispose of product as municipal waste at the end of its life cycle. Dispose of product at a special recycling platform managed by local authorities or at retailers providing this type of service.