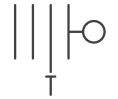


A50, A51



Fire
Protection

Angle hose valves with hydrolator

Manual
047U59538  07/2023



A50

A51

Forged brass hose valve, angle pattern, with threaded connections, usually for the control of the flow of water from the main riser to the standpipe system.

Turning the handwheel counter-clockwise allows the water to flow through the valve; turning the handwheel clockwise shuts off the valve to stop the flowrate.

A50 and A51 hose valves are provided with hydrolator. When the valve is closed, flow stops and the internal pressure decreases; then the hydrolator opens and completely drains the valve, preventing from risk of freezing.

Hose valves are used with a Fire Hose Rack Assembly, or as Fire Department outlet connections.

Versions and product codes

SERIES	SIZE	TYPE
A50	1-1/2" x 1-1/2"	NPT-F inlet x NPT-F outlet
A51	1-1/2" x 1-1/2"	NPT-F inlet x HOSE THREAD-M outlet

➤ Technical data

- Rated pressure: 300 PSI (20,6 bar)

Materials

- Body: forged brass CuZn40Pb2 in accordance with European Standard EN 12165 CW617N, similar to American Standard ASTM B124 C37700
- Stopper: forged brass CuZn40Pb2 in accordance with European Standard EN 12165 CW617N, similar to American Standard ASTM B124 C37700
- Stem: brass EN 12164 CW614N similar to American Standard ASTM B124 C37700
- Handwheel: red painted aluminum

Approvals: A50, A51



Loss of pressure

SERIES	SIZE [NPS]	EQL [ft.]
A50	1-1/2" x 1-1/2"	13.81
A51	1-1/2" x 1-1/2"	13.81

NOTE. Resistance of valves to flow of water expressed in equivalent feet of straight pipe (Hazen-Williams coefficient for schedule 40 steel pipe, 120)

➤ Installation

For installation requirements refer to NFPA 13 for sprinkler systems or to NFPA 14 for Standpipe and hose systems. These valves are intended to be tested after installation in accordance with NFPA14 or NFPA 13 whichever is applicable and maintained periodically in accordance with NFPA 25.

- Check size and thread of the valve before connecting to pipes or other components.
- When the system has been thoroughly flushed, ensure that all debris and impurities, are removed.

From the inlet side the valve must be installed on a properly sized NPT pipe line using appropriate tools through the hexagon on the body.

During the installation pay attention not to deform any part of the valve, as this could compromise the valve functioning.

▶ Operating

To open the valve, turn the handwheel counter clockwise.

To shut off the valve, turn the handwheel clockwise.

When installed in preassembled cabinets or devices, read instructions of the manufacturer of the device for operation.

▶ Maintenance

Valves should be inspected periodically and after each use.

Clean unit as necessary, check to be sure stem move freely, and stopper closes properly.

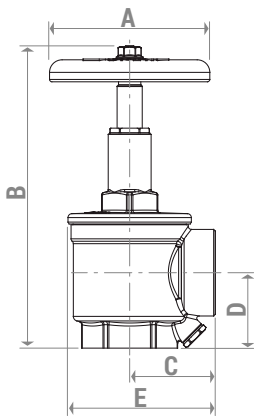
For inspection, testing and maintenance requirements of Water-Based Fire Protection Systems refer to NFPA 25.

- It is recommended to conduct at least yearly a flow test.
- The valve should be inspected for damage or corrosion and is not designed to accept replacement parts other than the handwheel.
- The valve should be operated by hand, never using a torque bar or other device to exert pressure. Excess torque may damage the seat and/or body, handle and other working parts.
- If the valve fails to perform as intended, the valve should be replaced.

ⓘ NOTE. In the pressure test for a metal-to-metal seated gate a small leakage is admitted (1 fluid ounce, 29.6 ml, per hour per inch of nominal valve size at two times the rated pressure, UL 262 - 24.1).

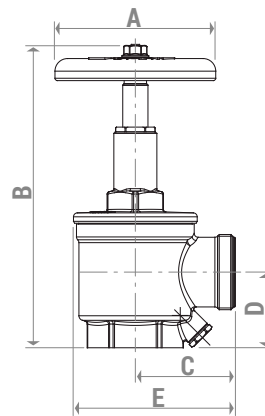
▶ Dimensions

A50



SIZE	A	B	C	D	E
1-1/2" x 1-1/2"	4-1/32"	7-19/32"	2-5/32"	1-7/8"	3-11/16"

A51



SIZE	A	B	C	D	E
1-1/2" x 1-1/2"	4-1/32"	7-19/32"	2-1/4"	1-7/8"	3-13/16"

⚠ 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.
