



Description

Concealed auxiliary inlet connection with 500 GPM minimum inlet capacity to supplement Fire Protection water supply.
Cast brass two-way inlet body with double drop clappers; the A102 inlet connection body can serve as bottom or top feed by changing clappers.

Versions and product codes

Series	Size	Type	Finishing
A101 BACK OUTLET	4" x 2-1/2"	NPT outlet (F) X NPT inlets (F)	Rough brass
	4" x 3"		
	6" x 2-1/2"		
	6" x 3"		
A102 BOTTOM TOP OUTLET	4" x 2-1/2"	NPT outlet (F) X NPT inlets (F)	Rough brass
	4" x 3"		
	6" x 2-1/2"		
	6" x 3"		
A101G BACK OUTLET	4" x 2-1/2"	Groove outlet (F) X NPT inlets (F)	Rough brass
	4" x 3"		
	6" x 2-1/2"		
A102G BOTTOM TOP OUTLET	4" x 2-1/2"	Groove outlet (F) X NPT inlets (F)	Rough brass
	4" x 3"		
	6" x 2-1/2"		

Technical data

• Maximum rated pressure: 300 PSI (20,6 bar)

Materials

- Body: casted brass CuZn37Pb2Ni1AlFe-B in accordance with European Standard UNI EN1982-2000 CB753S, corresponding to American Standard ASTM B30 C85700
- Tensile strength of the material in the shape of bar: min. 300 MPa
- Stress for permanent distortion R(0.2): min. 150 MPa
- Elongation: min. 15 %

Approvals for A101

4" x 2-1/2": LISTED 166Y 166Y
175 PSI

4" x 3": APPROVED LISTED 166Y
300 PSI 175 PSI

6" x 2-1/2": APPROVED LISTED 166Y
175 PSI

6" x 3": LISTED 166Y 166Y
175 PSI

Approvals for A102

4" x 2-1/2": LISTED 166Y 166Y
175 PSI

4" x 3": APPROVED LISTED 166Y
300 PSI 175 PSI

6" x 2-1/2": APPROVED LISTED 166Y
175 PSI

6" x 3": LISTED 166Y 166Y
175 PSI

Approvals for A101G

4" x 2-1/2": LISTED 166Y 166Y
175 PSI

4" x 3": APPROVED LISTED 166Y
300 PSI 175 PSI

6" x 2-1/2": APPROVED LISTED 166Y
175 PSI

Approvals for A102G

4" x 2-1/2": LISTED 166Y 166Y
175 PSI

4" x 3": APPROVED LISTED 166Y
300 PSI 175 PSI

6" x 2-1/2": APPROVED LISTED 166Y
175 PSI



Installation

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

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

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

From the inlet side the connection must be provided with a properly sized male threaded open snoot with swivel and then connected to a properly sized threaded end devices or caps using appropriate tools through the lugs of the swivel. 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 Jurisdictions (AHJ)

Maintenance

Fire Department Connections should be inspected periodically and after each use. Clean unit as necessary, check to be sure swivels move freely, and clappers 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 Fire Department Connections should be inspected for damage or corrosion.
- 3- To tighten 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 Fire Department Connection fails to perform as intended, the piece should be replaced.

Additional information

For additional information please check the website www.giacomini.com or contact the technical service: ☎ +39 0322 923372 📠 +39 0322 923255 ✉ consulenza.prodotti@giacomini.com
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