



A105
TWO-WAY

A105
THREE-WAY



A106
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Description

Exposed auxiliary inlet connections with 500 GPM. inlet capacity (two way) or 750 GPM. inlet capacity (three way) to supplement fire protection water supply. Swing clapper provides full waterway. Exposed design provides an economical method of satisfying Fire Dept. inlet requirements.

Versions and product codes

Series	Size	Branding	Type	Finishing
A105 TWO WAY DOUBLE CLAPPER BACK	4" x 2 1/2"	AUTO-SPKR STANDPIPE PLAIN	Two hose thread swivel inlets (F) x straight NPT outlet (F)	Rough Brass Polished Brass Polished Chrome
	4" x 3"			
	6" x 2 1/2"			
	6" x 3"			
A106 THREE WAY DOUBLE CLAPPER BACK	4" x 2 1/2"	AUTO-SPKR STANDPIPE	Three hose thread swivel inlets (F) x straight NPT outlet (F)	Rough brass
	6" x 2 1/2"			
A105 TWO WAY DOUBLE CLAPPER ANGLE	4" x 2 1/2"	AUTO-SPKR STANDPIPE PLAIN	Two hose thread swivel inlets (F) x angle NPT outlet (F)	Rough brass
	4" x 3"			
	6" x 2 1/2"			
	6" x 3"			
A106 THREE WAY DOUBLE CLAPPER ANGLE	4" x 2 1/2"	AUTO-SPKR STANDPIPE	Three hose thread swivel inlets (F) x angle NPT outlet (F)	Rough brass
	6" x 2 1/2"			

Technical data

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

Materials

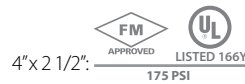
- Body: casted brass CuZn37Pb2Ni1AlFe-B in accordance with European Standard UNI EN 1982-2000 CB753S, corresponding to American Standard ASTM B30 C85700
- Tensile strength of the material in the shape of bar: min. 300 MPa
- Stress for permanent distortion R(0.2): min. 150 MPa
- Elongation: min. 15 %

Approvals for A105 TWO WAY DOUBLE CLAPPER BACK



The A105 three way triple clapper models are not certified.

Approvals for A106 TWO WAY DOUBLE CLAPPER ANGLE



The A106 three way triple clapper models are not certified.



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.

From the NPT side the connection must be installed on a properly sized threaded end NPT pipe line using appropriate tools. During the installation pay attention not to deform any part of the piece, as this could compromise the functioning.

From the hose thread side (inlets) the Connection must be installed on a properly sized threaded end devices or caps using appropriate tools through the pins of the 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 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 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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