FIRE DEPARTMENT CONNECTIONS

Model A105

Fire department connection straight outlet Two-way inlets



PRODUCT DESCRIPTION

The fire department connection straight outlet model A105, is a exposed auxiliary connection with 500 gpm inlet capacity to supplement fire protection water supply (NFPA 14 Section 5.9 and NFPA 13 Section 2.7).

Swing clapper provides full waterway. Exposed design provides an economical method of satisfying Fire Department inlet requirements.

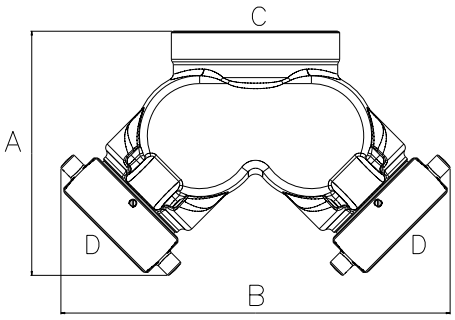
TECHNICAL DATA

Model	A105
Dimensions	2 ½" DN65 x 4" DN100 (1) 3" DN80 x 4" DN100 2 ½" DN65 x 6" DN150 3" DN80 x 6" DN150
End connections	Inlets: 2 pin or rocker lug hose female NH (NST) thread Outlet: straight female NPT thread
Rated pressure	2 ½"x4" & 2 ½"x6": 175 psi (12 bar) 3"x4" & 3"x6": 300 psi (21 bar)
Materials	Body: Casted brass Clapper: Forged brass Swivels: Forged brass
Finish	Rough brass Polished brass Polished chrome

(1). FM approved only size 2 ½" DN65 x 4" DN100.

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DIMENSIONS



SIZES	DIMENSIONS	
D x C	A	B
2 ½" DN65 x 4" DN100	7 9/32" (184,94 mm)	11 21/32" (296,07 mm)
3" DN80 x 4" DN100	8 1/32" (203,99 mm)	12 27/32" (326,23 mm)
2 ½" DN65 x 6" DN150	8 5/32" (207,17 mm)	11 21/32" (296,07 mm)
3" DN80 x 6" DN150	8 23/32" (221,46 mm)	12 7/8" (327,02 mm)

INSTALLATION

These Fire Department Connections have to be installed and tested in accordance with NFPA 13 for sprinkler systems or with NFPA 14 for Standpipe and hose systems.

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

Ensure that all debris and impurities, are removed, when the system has been flushed.

After installation, verify the tightness through a pressure test.

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 a flow test at least once a year.
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.

ORDERING INFORMATION

SIZE	CODE
4" DN100 x (2x) 2 ½" DN65	A105100X065
4" DN100 x (2x) 3" DN80	A105100X080
6" DN150 x (2x) 2 ½" DN65	A105150X065
6" DN150 x (2x) 3" DN80	A105150X080

Specify:

Model	
Quantity	
Sizes	
Finish	

The equipment presented in this bulletin is to be installed in accordance with the latest published Standard of the National Fire Protection Association, Factory Mutual Research Corporation, or other similar organizations and also with the provisions of governmental codes or ordinances whenever applicable.
This documentation is not contractual. AG Fire Sprinkler reserves the right to any kind of change without notice.

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