FIRE DEPARTMENT CONNECTIONS

Model A58

Automatic horizontal ball drip



PRODUCT DESCRIPTION

The automatic horizontal ball drip model A58 has been designed to be installed at the low point of automatic sprinkler systems between swing check valve and Fire Department Connection. It must be installed in horizontal position only.

Under fire conditions, water pressure from a fire department pumper pumping into the Fire Department Connections automatically closes this valve. When the pressure ceases, the ball drip automatically re–opens, permitting this piping to drain and thereby preventing freezing.

The internal ball rests in the lowest area of the valve body allowing for proper drainage of water accumulation. Upon Fire Department Connections pressurization, the internal ball is "pushed" into the small end of the ball drip body closing the opening.

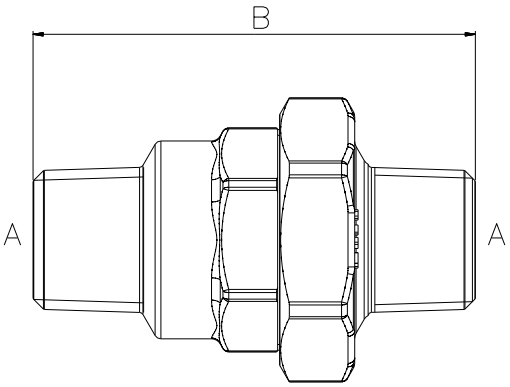
When pressure is removed, gravity returns the ball to its original position.

TECHNICAL DATA

Model	A58
Sizes	½" DN15 x ½" DN15 ¾" DN20 x ¾" DN20
End connections	Inlet: Male thread NPT Outlet: Male thread NPT
Working pressure	300 psi (21 bar)
Materials	Body: Brass Ball: Stainless Steel
Finish	Rough brass (Standard) Polished brass

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DIMENSIONS



SIZES A x A	B DIMENSION
½" DN15 x ½" DN15	2 11/16" (68,26 mm)
¾" DN20 x ¾" DN20	2 11/16" (68,26 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. If the Fire Department Connection fails to perform as intended, the piece should be replaced.

ORDERING INFORMATION

SIZE	CODE
½" DN15 x ½" DN15	A58015X015
¾" DN20 x ¾" DN20	A58020X020

Specify:

Model	
Quantity	
Size	
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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