

Fire Dept. Connection

With wall plates and breakaway caps

Manufactured by: Central Sprinkler Company
451 North Cannon Avenue, Lansdale, Pennsylvania 19446



86A

Product Description

The Model 86A (straight pattern) and Model 86B (90° pattern) Fire Department Connections (FDC) are 2½" x 2½" x 4" single clapper siamese-type connections. They are designed to provide a supplementary water supply connection for automatic sprinkler systems of all types, as required by NFPA 13.

Both straight and 90° pattern Fire Department Connections are cast brass with brass clapper, brass swivel couplings, and a brass hinge pin. The words "AUTO SPKR" and "F.D. Conn." are cast in raised letters on the body of the Fire Department Connection.

The clapper design allows for one or both inlets to be pressurized during operation.

Fire Department Connections are generally installed 18" to 5' above finished grade, however local codes and standards may contain special requirements with regard to specific location.

Wall Plates

The Wall Plates are constructed of corrosion resistant aluminum alloy with cast-in raised letters. The raised letters on the round Wall Plate are "AUTO. SPKR." and "FIRE DEPT. CONNECTION."

Caps

The breakaway Caps for the protection of the 2½" inlets on the Fire Department Connection are supplied in heavy-duty plastic or cast aluminum alloy. They can be easily attached to the swivel lugs of the Fire Department Connection using the eye bolts supplied with the Caps.

Technical Data

Model: 86A (straight pattern FDC)
86B (90° pattern FDC)

Size:

Outlet - 4" (102 mm) N.P.T.
Inlets - 2½" (64 mm) N.H. Std. thread
Approvals: U.L., F.M.

Maximum Working Pressure: 300 psi
Standard Finish:

FDC - Rough brass
Wall Plates - Red enamel paint with
raised letters painted
white

Caps - Red plastic or red enamel
paint

Weight:

FDC (straight) - 7.8 lbs. (3.5 kg)
FDC (90°) - 9.3 lbs. (4.2 kg)
Wall plate - 11 oz. (312 grams)
Cap - 3 oz. (85 grams)

Mfgr. source: Non-domestic

Dimensions:

Wall Plate - 9¾" (248 mm) O.D.



86B

Straight or 90° Fire Dept. Connection



Installation

The straight pattern Fire Department Connection is installed by attaching to a horizontal 4" N.P.T. threaded pipe generally extending through an exterior building wall. The 90° pattern Fire Department Connection is installed by attaching to a vertical 4" N.P.T. threaded pipe, generally freestanding in a yard application.

The swivel inlets are 2.5"-7.5 American National Fire Hose Connection Screw Thread per NFPA 1963.

The breakaway Caps for the inlets are used to prevent damage to the threads and to keep foreign objects from entering the fire department connection piping. Caps should be replaced after Fire Department Connection use or if the Caps are damaged or missing.



Care & Maintenance

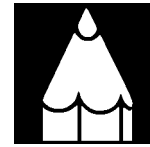
All Fire Department Connections should be regularly inspected to insure proper working condition.

1. Connections should be readily visible and accessible. They should not be obstructed by vegetation or equipment.
2. Caps should be in place and the 2½" swivels should enjoy freedom of movement. Hose threads should be clean and in good condition.
3. Verify that the check valve in the fire department connection piping is not leaking.

Wall Plate - Round



Cap - Breakaway



Ordering Information

When placing an order, indicate the full product name. Please specify the quantity, model, and size.

Fire Department Connections are not furnished with wall plates and caps. They must be ordered separately.

Availability and Service: Central sprinklers, accessories, and other products are available throughout the U.S. and Canada, and internationally through a network of Central Sprinkler distribution centers. You may write directly to Central Sprinkler Company, or call (215) 362-0700 for the distributor nearest you.

Guarantee: Central Sprinkler Company will repair and/or replace any products found to be defective in material or workmanship within a period of one year from date of shipment. Please refer to the current Price List for further details of the warranty.

Conversion Table:

1 inch = 25.400 mm

1 foot = 0.3048 M

1 pound = 0.4536 kg

Conversions are approximate.



Central Sprinkler Company

451 N. Cannon Avenue, Lansdale, PA 19446

Phone (215) 362-0700

FAX (215) 362-5385