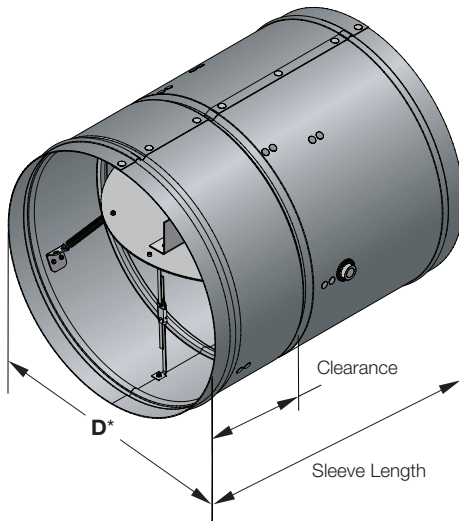




FD-125R (standard)

*Damper dimensions furnished approximately 1/8" (3) undersize. Outside diameter including reinforcing beads is approximately $D + 1/8"$ (3), and at axle center line diameter including axle heads is approximately $D + 1/2"$ (13).

Options

- Alternate sleeve/frame length:
 - Up to 28" (711)
- Single-sided mounting plate
- Dual-sided 10 ga. angle rings
- Duct access door factory mounted to sleeve/frame
- Alternate fire closure temperature:
 - 212°F (100°C) ▪ 286°F (141°C)
- Type - 304 stainless steel construction



The FD-125R fire damper employs a single round blade for point-of-origin control of fire in static and dynamic HVAC systems. This unique damper comes standard with mounting plates for interface to round or square openings in masonry, metal stud, or wood stud assemblies and is ideal for all round duct applications. The FD-125R is qualified to 2,000 fpm (10.2 m/s) and 4 in. wg. (1.0 kPa) and may be installed in vertical walls or partitions, or horizontally in floors or assemblies with fire resistance ratings up to 2 hours.

Ratings

UL 555 Fire Resistance Rating: 1-1/2 Hour (vertical and horizontal)

Maximum Dynamic Closure Velocity: 2,000 fpm (10.2 m/s)

Maximum UL555S Rated Pressure: 4 in.wg. (1.0 kPa)

Listings

UL 555 listing: R14981

CAN/ULC S112 listing: R14981

CSFM listing: 3225-1404:109

New York City MEA listing: 295-98-E

Meets NFPA Standards: 90A, 92A, 92B and 101

Meets Building Code Standards: IBC, NBC, NFPA, SBC and UBC

Standard Construction

Sleeve/Frame: Integral 16" x 20 gauge (406 x 1.0) galvanized steel with reinforcing beads

Retaining Plates: Dual sided system suitable for round or square penetrations

Blades: 14 gauge (2.0) equivalent galvanized steel — round

Axles: 1/2" (13) diameter plated steel, $D < 8"$ (203), 3/4" (19), $D \geq 8"$ (203)

Linkage: In the air-stream

Bearings: Bronze oilite, sleeve-type

Fire Closure Device: Fusible link

Fire Closure Temperature: 165°F (75°C)

Minimum Size: 6" Ø (152 Ø)

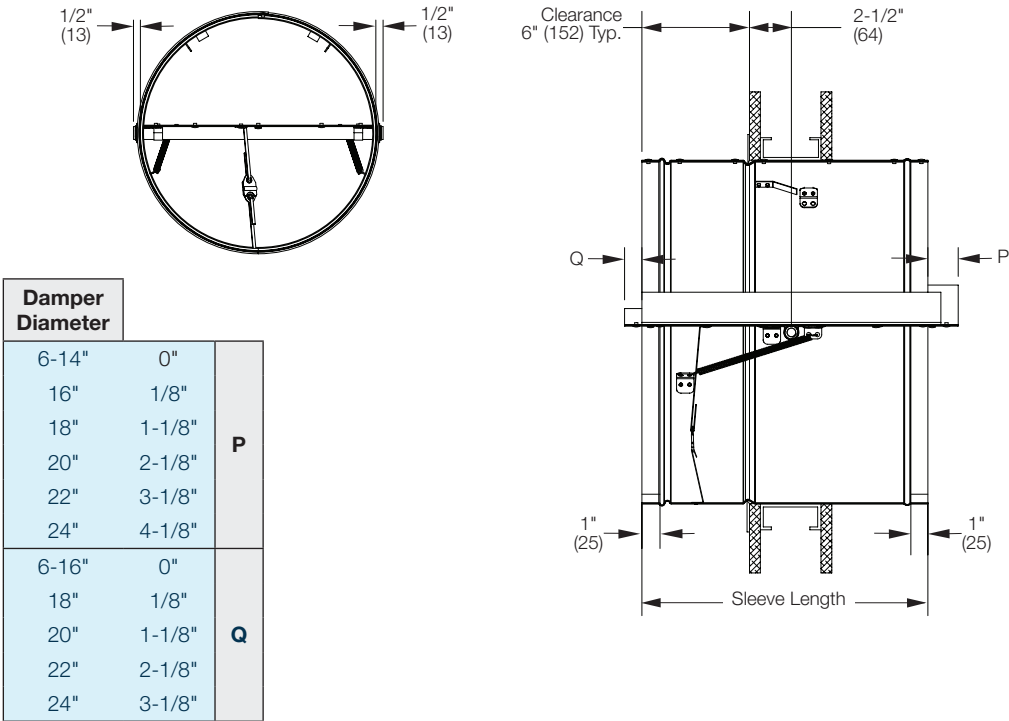
Maximum Size: 24" Ø (610 Ø)

NOTE: Dimensions in parentheses () are millimeters.
Information is subject to change without notice or obligation.

Typical Damper Dimensional Data

FD-125R

1-1/2-Hour – Fire Damper
Round Blade



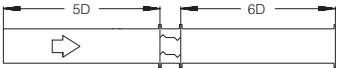
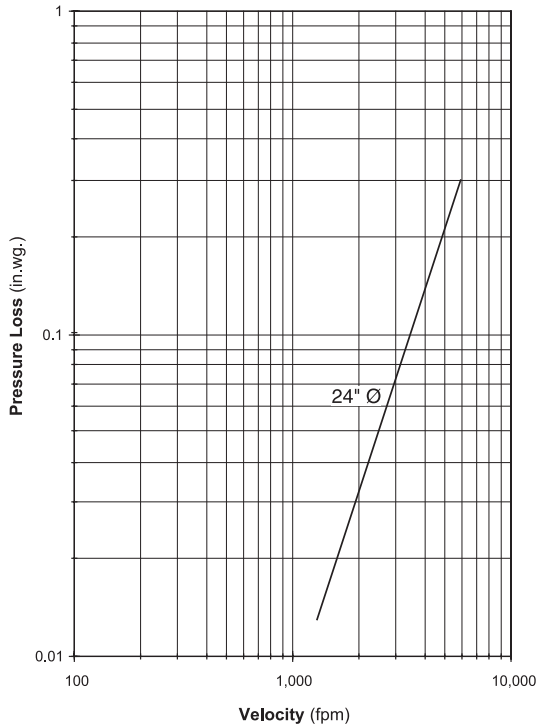
The drawings illustrate the position of the damper as supplied from the factory within a standard length sleeve/frame.

The standard mounting locations provide enough space for installation of retaining plates and duct connections.

Note: See Installation Instructions for complete installation details.

Pressure Drop Performance Data

Pressure drop testing was performed in accordance with AMCA Standard 500-D. All data has been corrected to represent air density of 0.075 lb/ft. Actual pressure drop in any ducted HVAC system is a combination of many elements. This information, along with analysis of other system influences, should be used to estimate actual pressure losses for a damper installed in a given HVAC system.



Ducted Inlet and Outlet
AMCA Figure 5.3 Illustrates a fully ducted damper. This configuration represents the lowest pressure drop of the three test configurations because entrance and exit losses are minimized by straight duct runs upstream and downstream of the damper.