

Wall Mounted Displacement Accessories Duct Covers

Product Information

Price Duct Covers for displacement diffusers provide a consistent look from floor to ceiling. These products continue the appearance of the diffuser while concealing the ductwork for an architecturally appealing installation. Duct covers can be supplied in solid steel or perforated material to match the diffuser face. When using a perforated duct cover, the ductwork can be painted black for a finished look. The duct cover is available in varying lengths and can be split into multiple sections to create a symmetric look with the diffuser. These units are perfect for top ducted diffusers where exposed ductwork is not desired, such as hotel lobbies, office boardrooms, schools, and restaurants. See specific product for availability.

Features

- Seamless construction.
- Matches corresponding product design.
- Variable height to match look of diffuser and fit into any room height.
- Duct covers for DF1, DF3, DR90, DR180, and DR180U:
 - Ship assembled from factory.
 - Use rail-mounting method.
- Available with protective film.

Construction/Finish

- Face – 21 Gauge steel
- Support Extrusion (where required) – Aluminum

- Finish – B12 White (Standard)

For optional and special finishes see color matrix.

Options

- Solid steel duct cover.
- Perforated steel duct cover.

Sizes

- Width, radius/diameter, depth are all based on diffuser.
- Support extrusion (where required) - Aluminum.

Duct Covers are available for:

- DF1
- DF3
- DF1C
- DR90
- DR180
- DR180U



For more information on duct covers, please refer to www.price-hvac.com/submittals

Product Information

Price Bases for displacement diffusers allow the diffuser to be installed above floor level, creating a look that is consistent with the existing décor. These products continue the look of base board heights and provide access to bottom ducted units for easier installation. The base also provides protection from damage or moisture during cleaning. The base is available in varying lengths and is inset from the face of the diffuser by 1 inch (25 mm). The easy installation of the product allows it to be ordered with a displacement unit or as a secondary order if the look is required after the original diffuser's installation. See specific product for availability.

Features

- Seamless construction.
- Matches corresponding product design.
- Variable height to match desired look of diffuser.
- Ships with protective film.

Construction/Finish

- Face – 21 Gauge steel
- Legs – Extruded Aluminum
- Finish – B12 White (Standard)

For optional and special finishes see color matrix.

Sizes

- Width, radius/diameter, depth are all based on diffuser ordered.
- Height ranges from 2" to 6" (50mm to 150mm).

Bases are available for:

- DF1
- DF3
- DF1C
- DR90
- DR180
- DR180U
- DR360



For more information on bases, please refer to www.price-hvac.com/submittals

Wall Mounted Displacement Accessories AFSD Series



Product Information

The **PRICE AFSD** (Air Flow Sensing Device) is a flow measuring station combined with an adjustable damper whereby the air volume can be adjusted. The SP300 multi-point sensor ensures accurate pressure measurement, allowing the balancer to monitor the velocity pressure in the duct. The integral manually operated damper with quarter-lock allows for adjustment until the desired flow rate is obtained. A label on the side provides indication of the air flow for a given velocity pressure. The AFSD is specifically designed to operate with displacement ventilation systems to help balance downstream pressure and help in supplying optimum flow rate to the diffuser.

Features

- SP300 multi-point flow sensor designed to maintain control accuracy independent of field installation conditions.
- Gauge taps for flow measurement and balancing.
- Inlet and outlet connection bead offers a means for secure flex duct connections.

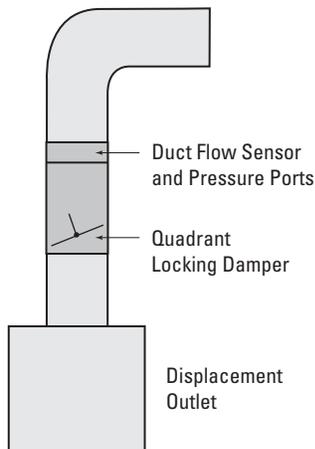
Construction/Finish

- Housing and Damper – 22 Galvanized Steel
- Air Flow Sensor – Plastic
- Galvanized Steel
- Label provides indication of air flow for a given velocity pressure

Sizes

- 6" to 16" diameter (150mm to 400mm).

Air Flow



Dimensional Data - Imperial (inches)

Nom. Diameter X H
5 x 14
6 x 14
8 x 14
10x14
14x15
16x15

Dimensional Data - Metric (mm)

Nom. Diameter X H
457 x 610
457 x 915
610 x 610
610 x 915
610 x 1524
762 x 610

For a complete list of standard sizes and inlets, refer to www.price-hvac.com/submittals

Performance Data



Performance Notes:

1. Locate appropriate K value or slope for AFSD size.
2. Use pressure taps (red line high; green line low) provided for field measurement of pressure differential (VP) with manometer.
3. Loosen wing nut on damper handle and adjust damper to vary VP.
4. When appropriate VP is obtained, tighten wing nut down on handle.

$$V_p = \frac{Q^2}{K^2}$$

where:

V_p = differential pressure at the sensor, in. w.c.

Q = air flow rate at standard conditions, cfm

K = calibration constant