

Perforated Ceiling Diffusers Steel • Drop Face • Curved Blade

Model: PCS-DF • Supply • 4-Way Adjustable Discharge Pattern

Border Type 3 (Lay-In)

Face or Ceiling Module Size	Neck Sizes	Dimension	
		A	B
12 x 12	6	4	2
12 x 12	6 x 6, 8 x 8, 10 x 10	3 3/8	13/8
24 x 24	6, 8	3 1/4	1
	10, 12, 14, 15	3 3/4	1 1/2
24 x 24	6 x 6, 8 x 8, 10 x 10	3 3/4	1 1/2
	12 x 12, 15 x 15, 18 x 18	3 3/4	1 1/2

Note: Shaded neck sizes indicate the die-stamped backpan shown above is used. The square backpan is used for all other neck sizes.

Border Type 1 (Surface Mount)

Border Type 4 (Spline)

Note: Type 4 border is not available in 16x16 or 20x20 module sizes.

Available Sizes for Border Types 1, 3, 4												
Face or Ceiling Module Size	Nominal Duct Size D											
	6 x 6	8 x 8	10 x 10	12 x 12	15 x 15	18 x 18	6" Dia.	8" Dia.	10" Dia.	12" Dia.	14" Dia.	15" Dia.
12 x 12	•	•	•				•					
24 x 24	•	•	•	•	•	•	•	•	•	•	•	•

• Indicates available combination

All dimensions are in inches.

Note: Shaded neck sizes indicate the die-stamped backpan shown above is used. The square backpan is used for all other neck sizes.

1. Insert small Screwdriver or other slim instrument to push latch inward from border.

2. Repeat on opposite side.

3. Face will now swing down with 2 remaining latches acting as hinges.

For complete removal, release 2 remaining latches at left.

Adjusting Pattern Controllers

Check if provided.

Round Neck • 4-Way (standard)

The pattern deflector in the neck of the diffuser consists of individually adjustable blades. These blades vary the discharge pattern from full horizontal to vertical and also dampen the air volume.

Square Neck • 4-Way (standard)

The standard Model PCS-DF diffuser has a 4-Way discharge pattern. Also available are:

- 1-Way
- 2-Way Opposite
- 2-Way Corner
- 3-Way

Tension wire holds blades in position after pattern has been adjusted.

Individually adjustable curved blades.

Accessories (Optional) for Round Neck

Check if provided.

Model AG-100 Radial Sliding Blade Damper

Model EG Equalizing Grid

Model AG-100 damper is available in duct sizes 6 thru 14 inches only.

Model D-100 Radial Sliding Blade Damper

Model EG Equalizing Grid

Model D-100 damper is available in duct sizes 6 thru 14 inches only.

Accessories (Optional) for Round Neck, continued

Model D-75 Opposed Blade Damper
 Model EG Equalizing Grid

Model D-75 damper is available in duct sizes 6 thru 12 inches only.

Model AG-75 Opposed Blade Damper
 Model EG Equalizing Grid

Size	B
6-12	1 1/2
14	2 1/8

Dimension "A" in Inches, for Dampers Shown Above

Accessories	Nominal Round Duct Sizes				
	6	8	10	12	14
AG-100	—	—	—	—	—
D-100	—	—	—	—	—
D-75	2 3/8	3 1/4	4 1/8	4 7/8	N/A
AG-75	4 1/4	5 1/8	6	6 7/8	2 3/4
EQT	—	—	—	—	—

Notes:

Model AG-100 and D-100 dampers have radial blades that slide in a horizontal plane. For that reason, no opening clearance "A" is dimensioned.

Accessories (Optional) for Rectangular Neck

Check if provided.

Model AG-95 Opposed Blade Damper
 Model EG Equalizing Grid
 EQT Earthquake Tabs (2 per Diffuser)

Lever Operator (Remove Face for Access)

Accessories		Nominal Round Duct Sizes					
		6 x 6	8 x 8	10 x 10	12 x 12	15 x 15	18 x 18
<input type="checkbox"/>	AG-95	•	•	•	•	•	•
<input type="checkbox"/>	EG	•	•	•	•	•	•
<input type="checkbox"/>	EQT	•	•	•	•	•	•

Standard Finish: #26 White

General Description

- Model PCS-DF drop-face perforated ceiling diffusers are designed to maximize throw.
- Excellent performance in variable air volume systems.
- Discharge pattern can be adjusted from horizontal to vertical. Can be adjusted before or after installation.
- Discharge pattern is easily adjusted by dropping the perforated face (see Page 2) and adjusting the curved blades.
- Dropping the perforated face also gives access for adjusting the optional damper.
- Perforated face has 3/16" diameter holes on 1/4" staggered centers.
- Inlet collar is approximately 1 1/2" deep to allow easy duct connection.
- Material is heavy gauge steel.

This submittal is meant to demonstrate general dimensions of this product. The drawings are not meant to detail every aspect of the product. Drawings are not to scale. Titus reserves the right to make changes without written notice.