

Perforated Ceiling Diffusers
Steel • Flush Face • Curved Blade

Model: PCS • 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, 8	4	2
12 x 12	6 x 6, 8 x 8	3 1/2	1 1/2
24 x 12	6, 8	3 1/2	1 1/2
24 x 12	6 x 6, 8 x 8, 10 x 6	3 1/2	1 1/2
16 x 16	6, 8, 10	3 1/2	1 1/2
16 x 16	6 x 6, 8 x 8, 10 x 10, 12 x 12	3 1/2	1 1/2
20 x 20	6, 8, 10, 12, 14	3 1/2	1 1/2
20 x 20	6 x 6, 8 x 8, 10 x 10, 12 x 12	3 1/2	1 1/2
24 x 24	6, 8	3 1/2	1
24 x 24	10, 12, 14, 15, 16	3 1/2	1 1/2
24 x 24	6 x 6, 8 x 8, 10 x 10	3 1/2	1 1/2
24 x 24	12 x 12, 14 x 14, 15 x 15, 16 x 16	3 1/2	1 1/2
48 x 24	6, 8, 10, 12, 14, 16	3 1/2	1 1/2
48 x 24	6 x 6, 8 x 8, 10 x 10, 12 x 12, 16 x 16, 18 x 18	3 1/2	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)

Available Sizes

Face or Ceiling Module Size	Nominal Duct Size D															
	6 x 6	8 x 8	10 x 10	12 x 12	14 x 14	15 x 15	16 x 16	18 x 18	18 x 6	6" Dia.	8" Dia.	10" Dia.	12" Dia.	14" Dia.	15" Dia.	16" Dia.
12 x 12	•															
24 x 12	•															
16 x 16	•															
20 x 20	•															
24 x 24	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
48 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.

(Please see reverse side.)

Removing Perforated Face

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 as at left.

Adjusting Pattern Controllers

Round Neck • 4-Way (Standard)

Square Neck • 4-Way (Standard)

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

Individually adjustable curved blades.

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 damper the air volume.

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

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

Accessories (Optional) for Round Neck

Check if provided

Model AG-100 Radial Sliding Blade Damper

Model EGT Equalizing Grid

① Model AG-100 damper is available in duct sizes 6 thru 14 inches only.

Model D-100 Radial Sliding Blade Damper

Model EGT Equalizing Grid

② Model D-100 damper is available in duct sizes 6 thru 14 inches only.

All dimensions are in inches.

Accessories (Optional) for Round Neck, continued

Model D-75 Opposed Blade Damper
 Model EGT Equalizing Grid

③ Model D-75 damper is available in duct sizes 6 thru 12 inches only.

Model AG-75 Opposed Blade Damper
 Model EGT Equalizing Grid

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

④

Dimension "A" in Inches, for Dampers Shown Above

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

Notes ① and ② :

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

Lever Operator (Remove Face for Access)

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

Standard Finish: #26 White

General Description

- Model PCS flush 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.