

Model: CMP-ADJ – Ceiling Multi Pattern Adjustable Vanes

The CMP-ADJ adjustable vane diffuser was developed to provide a continuous adjustment from horizontal to vertical throw, on each face of a four way, or multi pattern CMP-A (Aluminium) diffuser.

Features

- Fully adjustable throw pattern.
- Independent discharge pattern each side.
- Horizontal, or vertical throws.
- No adjustment tools required.
- Adjust through diffuser face.
- 4 way, or multi pattern core styles available up to 600 x 600 mm neck size.

Construction

CMP-ADJ diffusers are standard CMP-A aluminium construction, with clip-on extruded aluminium 6063 T5 adjustable throw vanes, all supplied in a durable powder coat finish to match the diffuser.

Notes on Performance Data

To obtain the performance data for the CMP-ADJ adjustable diffuser, apply the corrections from the table below to the listed data for square, 4 way core style CMP diffusers, as follows:

1. Sound: NC = listed + correction
2. Pressure drop: TP = listed x factor
3. Throw: Horizontal = listed, Vertical = listed x factor

Apply the throw factor to the 0.25 m/s terminal velocity throw only.

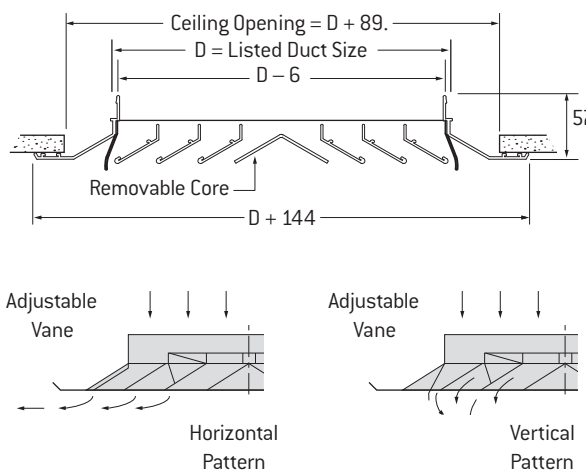
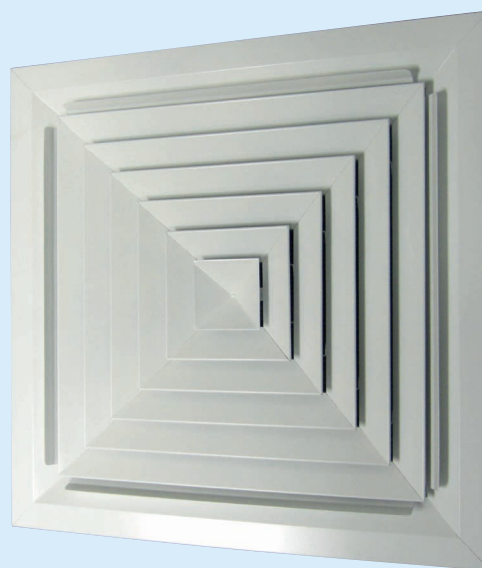
Example: 300 x 300 CMP-ADJ, 0.280 m³/s, 20°C temperature difference heating, vertical projection:

$$NC = 27 + 7 = 34 \quad TP = 25 \times 2.3 = 57.5$$

$$\text{Throw} = 4.5 \times 0.6 = 2.7\text{m at } 0.25\text{m/s terminal velocity.}$$

Note: Refer to page 170D for Product weights.

Adjustable Ceiling Diffuser



Series CMP-ADJ Performance Data

Neck Size	Sound, NC Add		Pressure, TP Multiply		Throw, Vertical			
					Cooling, ΔT Multiply	Heating, ΔT Multiply		
	H	V	H	V		10°	0°	10°
150 x 150	3	7	1.3	1.6	1.3	1.1	0.8	0.6
225 x 225	3	7	1.5	2.3	1.5	1.2	0.9	0.6
300 x 300	3	7	1.5	2.3	1.6	1.3	1.0	0.6
375 x 375	3	7	1.5	2.3	1.7	1.3	1.0	0.6
450 x 450	3	7	1.5	2.3	1.7	1.3	0.9	0.6
525 x 525	3	7	1.5	2.3	1.7	1.3	0.8	0.5
600 x 600	3	7	1.5	2.3	1.5	1.1	0.7	0.3

Due to a policy of continuous development and improvement the right is reserved to supply products which may differ slightly from those illustrated and described in this publication.

CMP-A, CMP-ADJ & CMPH

Product Ordering Key and Suggested Specifications

CMP	-	A	-	1	-	41	-	450x450	-	600x600	-	OBD	-	TRV	-	SRA 300 DIA CH 300 DIA	-	FINISH
Ceiling Multi Pattern		Aluminium		Frame Style		Core Pattern		Duct Size		Module Size		Opposed Blade Damper Attached		Throw Reducing Vanes		Square to Round Adaptor, or Cushion Head		Holyoake White Mill Aluminium Powder Coat

Ceiling Multi Pattern Louver Face diffusers shall be type CMP-A and be all Aluminium construction with removable core, to give the air distribution pattern shown on the drawings. They shall be available with a range of frame styles and purpose made accessories for both throw adjustment and volume control.

All shall be as manufactured by Holyoake.

CMP-ADJ	-	2	-	41	-	225x225	-	600x600	-	OBD	-	TRV	-	SRA 150 DIA CH 150 DIA	-	FINISH
Ceiling Multi Pattern - Adjustable		Frame Style		Core Pattern		Duct Size		Module Size		Opposed Blade Damper Attached		Throw Reducing Vanes		Square to Round Adaptor, or Cushion Head		Holyoake White Mill Aluminium Powder Coat

Ceiling Multi Pattern - Adjustable Louver Face diffusers shall be type CMP-ADJ. They shall be of all Aluminium construction, with removable cores. CMP-ADJ are fitted with vanes which can easily be adjusted to enable vertical, or horizontal throw.

All shall be as manufactured by Holyoake.

CMPH	-	2	-	41	-	300x300	-	600x600	-	OBD	-	TRV	-	SRA 150 DIA CH 150 DIA	-	FINISH
Ceiling Multi Pattern Horizontal		Frame Style		Core Pattern		Duct Size		Module Size		Opposed Blade Damper Attached		Throw Reducing Vanes		Square to Round Adaptor, or Cushion Head		Holyoake White Mill Aluminium Powder Coat

Ceiling Multi Pattern Horizontal Louver Face diffusers shall be type CMPH and be all Aluminium construction with additional horizontal blades. Complete with removable core to give multiple air distribution patterns. They shall be available with a range of frame styles and accessories for both throw adjustment and volume control.

All shall be as manufactured by Holyoake.

Note: All ceiling diffusers, seismic restraints required, but not supplied.

CMPP & CMP - TL

Product Ordering Key and Suggested Specifications

CMPP	–	1	–	300x300	–	450 x 450	–	OBD	–	SRA 300 DIA CH 300 DIA	–	FINISH
⋮		⋮		⋮		⋮		⋮		⋮		⋮
Ceiling Multi Pattern Plaque		Frame Style		Duct Size		Module Size		Opposed Blade Damper Attached		Square to Round Adaptor, or Cushion Head		Holyoake White Mill Aluminium Powder Coat

Ceiling Multi Pattern - Plaque Louver Face diffusers shall be type CMPP. They shall be of all Aluminium construction, with removeable plaque core. CMPP have a range of frame styles and accessories for installation and volume control. All shall be as manufactured by Holyoake.

CMP-TL	–	1	–	450x450	–	SRA 300 DIA CH 300 DIA	–	FINISH
⋮		⋮		⋮		⋮		⋮
Ceiling Multi Pattern - Thermal Low Cost		Frame Style		Neck Size		Square to Round Adaptor, or Cushion Head		Holyoake White Mill Aluminium Powder Coat

Ceiling Multi Pattern - Thermal Low Cost Louver Face diffusers shall be type CMP-TL. They shall be of Aluminium construction, with removeable cores. CMP-TL central cores, are complete with a vertical supply section controlled by a thermally actuated damper. Supply air is diffused horizontally below temperatures of 24°C and vertically with temperatures above 30°C. All shall be as manufactured by Holyoake.

Note: All ceiling diffusers, seismic restraints required, but not supplied.