



# PCLF

- > Circular Louvre Face Diffuser
- > Adjustable
- > 360° Delivery

## APPLICATION

Circular ceiling diffuser with three adjustable cones. The diffuser delivers the air in a 360° radial horizontal pattern, producing excellent performance in variable air volume systems for both heating and cooling applications.

## DESIGN

Corrosion-resistant steel or aluminium.

### Finish:

White polyester powder finish RAL 9010 semi-gloss as standard. *Other finishes are also available.*

### Options:

- Radial Sliding Blade Damper
- Radial Opposed Blade Damper
- Butterfly Damper
- Equalising Grid
- Damper/Equalising Grid

## MODELS

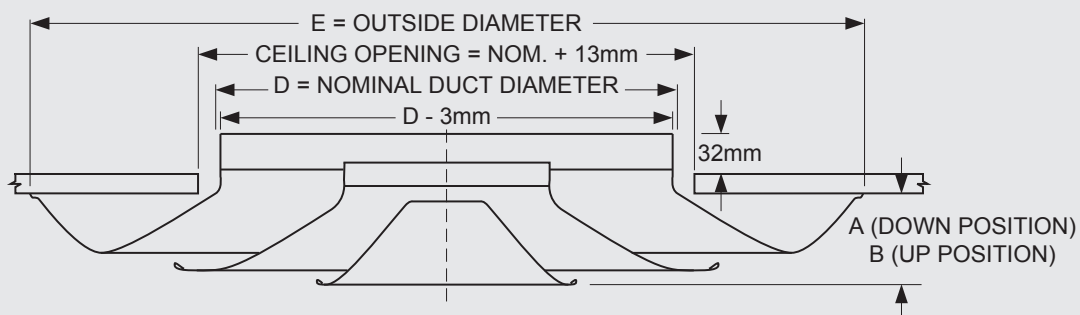
- PCLF:** Steel  
**PCLF-A:** Aluminium

## FLOW RATE POSITIONS

**Position A (cones down):**  
*provides maximum capacity at minimum noise levels*

**Position B (cones up):**  
*provides higher induction and more air movement*

PCLF – Circular Louvre Face Diffuser



Screwdriver adjustment of the optional balancing damper through the cones.

DIMENSIONS (mm)			
D	A	B	E
152	44	29	295
203	54	38	365
254	73	54	456
305	79	60	549
406	102	83	737
508	149	124	946

## NOTES

Discharge positions are easily site set by sliding the inner cone assembly up or down. The core is securely retained by a spring loaded friction arrangement.

**D** = Listed Neck Size

# PCLF – SELECTION DATA

SUPPLY SELECTION DATA																		
Air Volume (m <sup>3</sup> /s)		0.030	0.040	0.050	0.060	0.080	0.100	0.125	0.150	0.200	0.250	0.300	0.400	0.500	0.600	0.700		
Size	152	T	1.3	1.3	1.7	2.2	2.9	3.8										
		Pa	3	5	13	14	27	40										
		dB(A)	-	-	-	23	32	42										
	203	T			1.5	1.7	2.4	2.9	3.8	4.9								
		Pa			4	5	10	15	25	40								
		dB(A)			-	-	20	25	29	39								
	254	T					2	2.5	3	3.8	4.8	6.1						
		Pa					4	6	9	15	25	38						
		dB(A)					-	-	20	27	33	40						
	305	T							2.6	3.2	4	5	6	6.6				
		Pa							4	6	10	10	26	40				
		dB(A)							-	-	22	20	32	42				
	406	T									3.3	3.3	5.3	6.4	7.2			
		Pa									4	6	9	15	35			
		dB(A)									-	-	20	31	40			
	508	T											4	5.5	5.8	8	9	
		Pa											3	7	12	15	20	
		dB(A)											-	-	24	30	36	

## KEY INFORMATION

Throw based on diffuser installed in a standard suspended ceiling.

T = Throw in metres (m)

Pa = Static Pressure Drop

dB(A) = Sound Pressure Level