

PPD

- > Perforated Diffuser
- > Supply/Return
- > Flanged

DESCRIPTION

Our perforated ceiling diffusers include a flange frame and blanking plates.

With a near 50% free area the PPD provides a stable throw that can be directed with the four included blanking plates.

CONSTRUCTION

Steel faceplate, extruded aluminium flange.

Finish:

White RAL 9010 epoxy powder

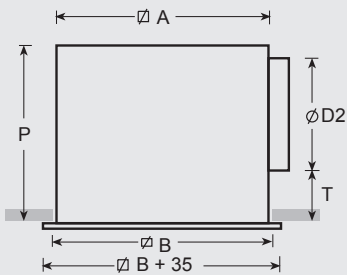
Options:

- Damper
- Round or Square connection
- Flat/Regular/Dropped (13 mm)
- Galvanised steel plenum

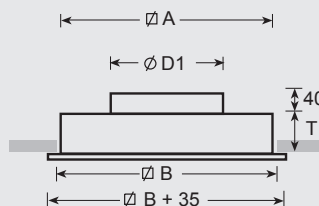
MODELS

PPD-S: Flanged supply
PPD-R: Flanged return

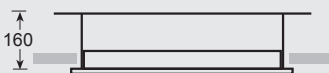
PPD-S/R – Side Connection



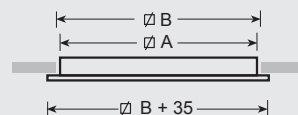
PPD-S/R – Top Connection



PPD-R – Square Top Non-Vision



PPD-S/R – Square Top Connection



DIMENSIONS (mm)

Size	B	A	D1	D2	T	P
250 x 250	249	242	123	123	70	235
300 x 300	313	307	158	158	70	270
400 x 400	388	382	198	198	75	315
500 x 500	483	477	248	198	85	325
550 x 550	556	551	313	248	105	395

WEIGHT (kg)

Size	Round top		Sq	Lined Plenum		Ø Damper
	Supply	Return	Return	Supply	Return	
250 x 250	1.4	0.9	0.6	2.6	2.1	0.1
300 x 300	1.9	1.2	0.8	3.8	3.0	0.2
400 x 400	2.5	1.6	1.1	5.4	4.3	0.3
500 x 500	3.6	2.2	1.5	7.4	5.8	0.4
550 x 550	4.6	2.9	1.8	9.9	7.8	0.5

Sq = Square top

NOTES

Dimensions are given in mm.
Connection D equals actual outside diameter.
Non-vision height = 160 mm.

PPD – SELECTION DATA

RETURN SELECTION DATA

Air Volume m ³ /s		Round Connection															
		0.015	0.020	0.025	0.030	0.040	0.050	0.060	0.080	0.100	0.125	0.150	0.200	0.250	0.300		
Size	250 x 250	Pa	1	3	4	6	11	15	24								
		dB(A)	-	-	-	-	-	12	18								
	300 x 300	Pa			1	3	4	6	9	15	24						
		dB(A)			-	-	-	-	-	13	19						
	400 x 400	Pa					1	2	3	7	9	14	22				
		dB(A)					-	-	-	-	-	15	20				
	500 x 500	Pa							3	5	8	13	18	31			
		dB(A)							-	-	-	15	20	28			
	550 x 550	Pa								3	4	6	9	15	25	35	
		dB(A)								-	-	-	10	17	23	25	

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

Square Connection (non-vision)

Air Volume m ³ /s		Square Connection (non-vision)															
		0.080	0.100	0.125	0.150	0.200	0.300	0.400	0.500	0.600	0.800	1.000					
Size	250 x 250	Pa	9	13	21	30	55										
		dB(A)	10	15	20	25	32										
	300 x 300	Pa	3	5	8	11	20	45	79								
		dB(A)	-	-	11	14	22	32	39								
	400 x 400	Pa		2	3	4	8	18	32	49	69						
		dB(A)		-	-	-	13	25	30	35	39						
	500 x 500	Pa				2	3	7	13	20	29	51					
		dB(A)				-	-	14	21	28	31	38					
	550 x 550	Pa					2	3	6	10	14	24	37				
		dB(A)					-	-	14	19	23	32	39				