

PMSWI

595 x 595

- > Modular Swirl Diffuser
- > Supply/Return
- > Fixed air pattern

DESCRIPTION

Our fixed pattern modular swirl diffusers are designed for 600 mm module T-Bar installation featuring angled radial blades.

This design creates an air pattern that rapidly mixes with internal air, reducing temperature difference and providing thermal comfort.

CONSTRUCTION

Steel face plate. Circular duct connection.

Finish:

Epoxy powder RAL 9010 (visible parts only).

Options:

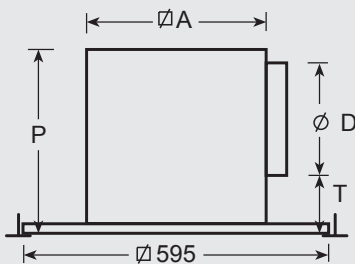
- Damper
- Lined/Unlined Plenum

MODELS

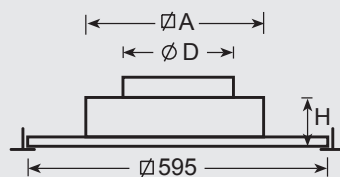
PMSWI-S: Modular Supply

PMSWI-R: Modular Return

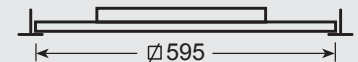
PMSWI – Side Connection



PMSWI – Top Connection



PMSWI-R – Face Plate Only (Return)



WEIGHT (kg)

Size	Round Top		Lined Plenum		Face Plate	Ø Damper
	S	R	S	R	R	
250	4.2	3.9	4.9	4.5	2.5	0.1
350	5.4	4.7	6.6	5.9	2.6	0.2
450	6.9	5.8	8.8	7.7	2.7	0.3
550	8.7	7.1	11.4	9.8	2.7	0.4

DIMENSIONS (mm)

Size	A	D	T	P	H
250	273	123	60	220	115
350	373	158	70	265	130
450	473	198	80	315	145
550	573	248	80	365	165

S = Supply R = Return

PMSWI – SELECTION DATA

SUPPLY SELECTION DATA															
Air Volume (m³/s)		0.020	0.025	0.030	0.040	0.050	0.060	0.070	0.080	0.100	0.125	0.150	0.200	0.250	
Size	250	T	0.7	0.8	1.1	1.6	1.9	2.2	2.6	3.1					
		Pa	3	5	7	13	20	28	38	53					
		dB(A)	-	-	16	24	27	34	38	41					
	350	T			0.9	1.2	1.5	1.7	2	2.3	2.9	3.6			
		Pa			3	5	7	11	15	20	30	46			
		dB(A)			-	-	16	21	25	29	34	42			
	450	T					1.1	1.3	1.6	1.7	2.2	2.7	3.2	4.5	
		Pa					2	3	4	6	9	14	20	36	
		dB(A)					-	-	13	16	20	28	32	42	
	550	T							1.3	1.5	1.9	2.4	2.8	3.7	4.5
		Pa							2	3	5	7	11	18	30
		dB(A)							-	-	14	20	25	32	40

RETURN SELECTION DATA														
Air Volume (m³/s)		0.025	0.030	0.040	0.050	0.060	0.070	0.080	0.100	0.125	0.150	0.200	0.300	
Size	250	Pa	4	7	13	20	29	42						
		dB(A)	8	12	20	26	31	34						
	350	Pa			5	8	10	14	19	29	45			
		dB(A)			-	13	17	21	27	31	40			
	450	Pa					3	4	6	9	15	21	57	
		dB(A)					-	9	10	18	24	29	45	
	550	Pa							3	5	8	11	31	43
		dB(A)							-	10	16	20	34	38

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