

Vane Swirl Diffusers

SDVS / SDVC

Introduction

The Waterloo Vane Swirl Diffusers are designed for areas where rapid mixing of supply air is required in rooms of ceiling height between 2.6m and 4m.

Product Description

- SDVSA** Square plate vane swirl diffuser with radial pattern (angled slot)
- SDVCA** Circular plate vane swirl diffuser with radial pattern (angled slot)
- SDVSB** Square plate vane swirl diffuser with radial pattern (normal slot)
- SDVCB** Circular plate vane swirl diffuser with radial pattern (normal slot)
- S** Side entry plenum
- V** Top entry plenum
- ADJ** Room adjustable vanes
- E** Lay-in, T8 / T16 tegular

Note: For available blanking options please contact the head office.

Features

- High air volume capacity
- Standard top entry neck, or side entry with plenum box
- Adjustable polymer deflectors enabling different discharge directions
- Optional room adjustable vanes
- Flat or ribbed blade appearance
- Attractive lightweight design
- Side or top entry plenums available
- In order to keep the same appearance the same design is used for supply and extract diffusers. There is no requirement to identify this on the order
- Lay in tegular options

Finishes

Black or white deflectors (to be specified on order)

PPG9010 (RAL 9010 Gloss - 80% Gloss White)

PPM9010 (RAL 9010 Matt - 20% Gloss White)

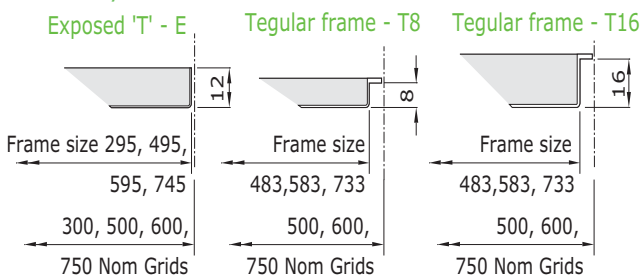
PPM9006 (RAL 9006 Matt - 30% Gloss Silver)

Other colours available on request

Advantages

- Suitable for high ceilings (relative to other diffusers)
- Rapid induction of supply air

Frame Styles and Grid Sizes



Air discharge left



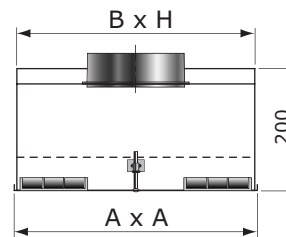
Air discharge right



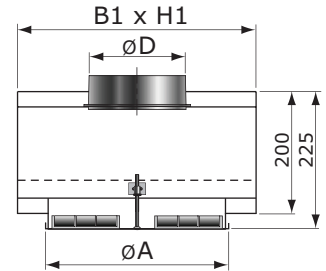
SDVS



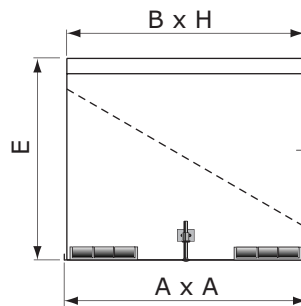
SDVC



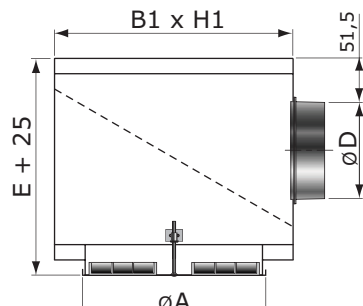
SDVSA-V / SDVSB-V



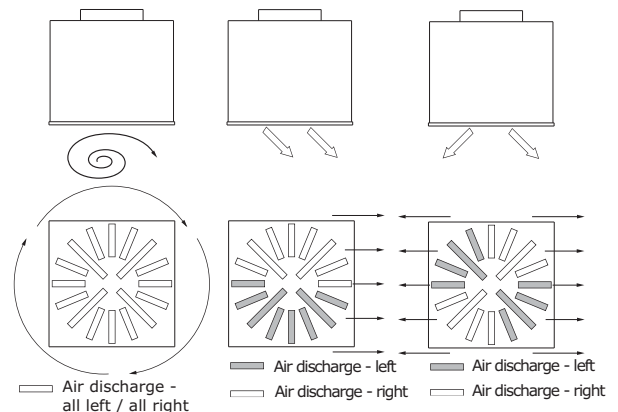
SDVCA-V / SDVCB-V



SDVSA-S / SDVSB-S



SDVCA-S / SDVCB-S



SDVS SDVC	Number of vanes	A x A	Ø A	B x H	B1 x H1	Nom. Ø D	E
300	8	295x295	300	290x290	390x390	160	290
400	16	395x395	400	390x390	490x490	200	330
500	16 / 24	495x495	500	490x490	590x590	200	330
600	16	595x595	600	590x590	690x690	200	330
600	24/40/48	595x595	600	590x590	690x690	250	380
625	16	620x620	625	615x615	690x690	200	330
625	24/40/48	620x620	625	615x615	690x690	250	380
800	64/72	795x795	800	790x790	890x890	315	450
825	64/72	820x820	825	815x815	890x890	315	450

ORDER EXAMPLE

SDVSA/600/E/48/WH/ADJ/PPM9010/S

Type _____

Front-plate size _____

Lay-in _____

Front face pattern _____

Vanes colour _____

Room adjustable vanes _____

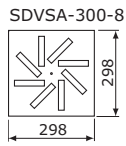
Finish _____

Plenum type _____

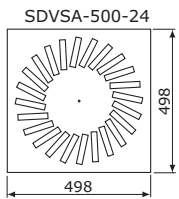
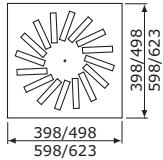
Vane Swirl Diffusers

SDVS / SDVC

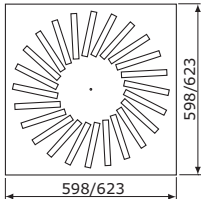
SDVSA



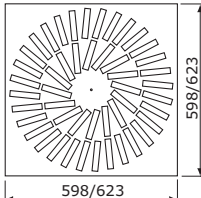
SDVSA-400-16
SDVSA-500-16
SDVSA-600-16
SDVSA-625-16



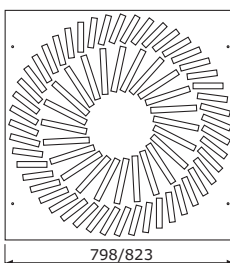
SDVSA-600-24
SDVSA-625-24



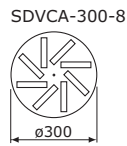
SDVSA-600-48
SDVSA-625-48



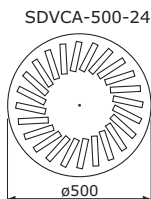
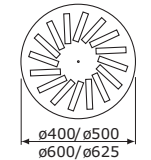
SDVSA-800-72
SDVSA-825-72



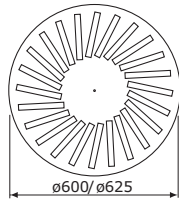
SDVCA



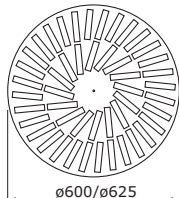
SDVCA-400-16
SDVCA-500-16
SDVCA-600-16
SDVCA-625-16



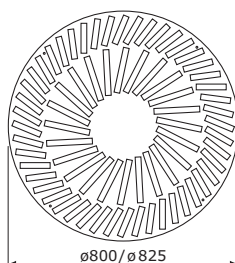
SDVCA-600-24
SDVCA-625-24



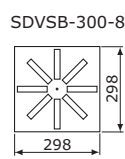
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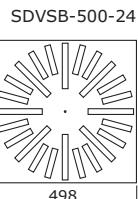
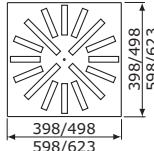
SDVCA-800-72
SDVCA-825-72



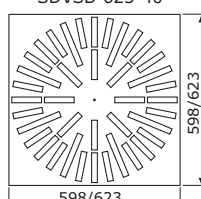
SDVSB



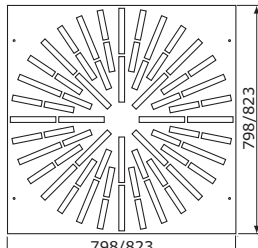
SDVSB-400-16
SDVSB-500-16
SDVSB-600-16
SDVSB-625-16



SDVSB-600-40
SDVSB-625-40



SDVSB-800-64
SDVSB-825-64



Fixing

Sizes 300 - 600
(inclusive) 1 central
screw

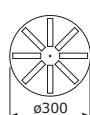
Sizes 625 - 825
(inclusive) 4 screws

Performance Table

SDVSB / SDVCB			Supply				
m³/h	l/s		300 - 8	400-16 500-16 600-16 625-16	500 - 24	600-40 625-40	800-64 825-64
90	25	T	0.9				
		P _S	6				
		L _W	-				
108	30	T	1.0				
		P _S	8				
		L _W	-				
144	40	T	1.2				
		P _S	12				
		L _W	30				
180	50	T	1.4	1.2			
		P _S	21	17			
		L _W	36	32			
216	60	T	1.6	1.4	1.0		
		P _S	30	24	7		
		L _W	41	36	-		
252	70	T	1.8	1.6	1.1		
		P _S	41	30	9		
		L _W	46	41	27		
288	80	T	2.2	1.9	1.3		
		P _S	54	40	11		
		L _W	50	45	31		
360	100	T		2.3	1.5	1.0	
		P _S		62	17	6	
		L _W		50	37	27	
450	125	T			1.8	1.5	0.9
		P _S			26	11	1
		L _W			44	32	-
540	150	T			2.1	1.6	1.1
		P _S			38	19	7
		L _W			48	37	26
720	200	T				2.1	1.5
		P _S				34	14
		L _W				45	34
900	250	T				2.5	1.8
		P _S				56	22
		L _W				51	40
1080	300	T					2.2
		P _S					31
		L _W					44
1260	350	T					2.5
		P _S					43
		L _W					49

SDVCB

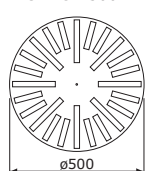
SDVCB-300-8



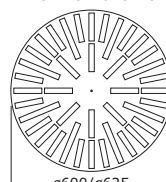
SDVCB-400-16
SDVCB-500-16
SDVCB-600-16
SDVCB-625-16



SDVCB-500-24



SDVCB-600-40
SDVCB-625-40



SDVCB-800-64
SDVCB-825-64

