



AIRFLOW AC

ROUND CEILING DIFFUSERS

Airflow AC Middle East FZE-LLC

Email: Airflowacme@gmail.com

Tel: 00971509293811

WWW.Airflowac.me

ROUND CEILING DIFFUSER



Description

The SRCD series round ceiling diffusers are made of aluminium. The diffusion rings are adjustable in different positions thus allowing option between vertical and horizontal air flow direction. Diffusers SRCD are used for air supply & exhaust in ventilation and air conditioning systems.

Standard Construction

Materials:
The ceiling diffusers are of the circular type with multipositional diffusion rings. They are made of aluminium in white finish RAL 9010 and supplied with an air volume control dampers.

Composition:
Adjustable rings.

Accessories (Optional):
Butterfly air volume control damper type V.

Finish:
The standard coating finish is polyester powder coating, white color RAL 9010 (**Code: Z0**).

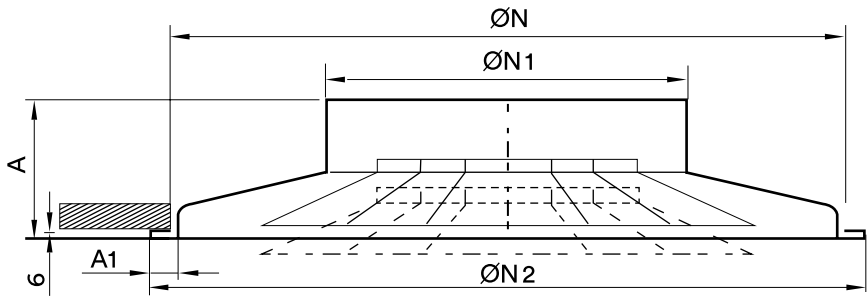
Optional Finish:
1. Natural anodized aluminium finish (**Code: Z1**).
2. The powder coating can be of any color if requested as specified (**Code: Z2**).



ROUND CEILING DIFFUSER

Dimensions

Type	ØN 1	ØN 2	ØN	A	A 1
SRCD 100	100	230	204	75	18
SRCD 150	150	335	290	105	28
SRCD 160	160	335	290	105	28
SRCD 200	200	423	370	118	28
SRCD 250	250	517	455	130	36
SRCD 315	315	640	570	146	40
SRCD 355	355	730	650	185	45
SRCD 400	400	776	690	185	48
SRCD 450	450	825	745	185	45
SRCD 500	500	917	815	185	56
SRCD 630	630	1045	953	185	51



V - DAMPER

SELECTION PROCEDURE



Quick Selection:

Type	V	2	3	4	5	6	7	8	9	10
100	Qv	53	80	106	133	160	186	213	239	266
	Lth	0.50	0.70	0.90	1.20	1.40	1.60	1.90	2.10	2.30
	Ps	8	16	28	41	58	76	97	120	145
	Lw	<30	30	38	46	52	57	62	66	70
150	Qv	139	209	279	348	418	488	558	627	697
	Lth	0.99	1.43	1.87	2.31	2.86	3.30	3.74	4.18	4.73
	Ps	11.12	22.24	36.14	55.60	76.45	101.47	129.27	159.85	193.21
	Lw	<30	<30	40	47	53	58	62	66	70
160	Qv	139	209	279	348	418	488	558	627	697
	Lth	0.90	1.30	1.70	2.1	2.6	3.0	3.4	3.8	4.3
	Ps	8	16	26	40	55	73	93	115	139
	Lw	<30	<30	37	44	50	55	59	63	67
200	Qv	219	329	439	549	658	768	878	988	1097
	Lth	1.1	1.6	2.2	2.7	3.3	3.8	4.4	4.9	5.5
	Ps	7	15	26	38	54	71	90	112	135
	Lw	<30	<30	36	43	49	54	58	62	65
250	Qv	345	517	690	862	1035	1207	1380	1552	1725
	Lth	1.4	2.1	2.8	3.5	4.2	4.9	5.6	6.3	7.0
	Ps	7	15	25	38	53	70	89	110	133
	Lw	<30	<30	36	43	48	53	57	61	65
315	Qv	550	826	1101	1376	1651	1927	2202	2477	2752
	Lth	1.2	2.6	4.1	5.1	6.1	6.5	6.9	7.4	7.8
	Ps	7	14	24	36	50	67	85	105	127
	Lw	<30	<30	36	42	48	53	57	61	64
355	Qv	701	1051	1401	1752	2102	2452	2803	3153	3503
	Lth	2.1	3.1	4.1	5.1	6.2	6.9	7.3	7.8	8.2
	Ps	7	14	24	36	50	67	85	105	127
	Lw	<30	<30	37	44	49	54	58	62	65
400	Qv	891	1337	1783	2228	2674	3119	3565	4011	4456
	Lth	2.4	3.5	4.7	5.9	7.1	7.9	8.4	8.9	9.4
	Ps	7	14	24	36	50	66	84	104	126
	Lw	<30	31	39	45	51	56	60	63	67
450	Qv	1130	1695	2260	2825	3390	3955	4520	5085	5649
	Lth	2.0	4.4	5.8	7.2	7.9	8.5	9.1	9.7	10.2
	Ps	7	14	24	36	50	66	84	105	127
	Lw	<30	32	40	47	52	57	61	65	68
500	Qv	1397	2095	2794	3492	4190	4889	5587	6286	6980
	Lth	3.0	4.4	5.7	6.4	7.0	7.5	8.1	8.5	9.0
	Ps	7	14	24	36	49	65	83	103	125
	Lw	<30	33	42	48	54	58	63	66	69
630	Qv	2223	3335	4446	5558	6669	7781	8892	1004	11115
	Lth	3.7	5.5	6.4	7.1	7.8	8.4	9.0	9.5	10.0
	Ps	6	13	22	34	47	62	78	97	118
	Lw	<30	36	44	51	56	61	65	69	72

Symbols and Specifications:

- v= Neck or duct velocity in m/s.
- Qv = Air volume in m3/h.
- Lth 0.25 = Horizontal throw in m at end velocity of 0.25m/s.
- Ps = Pressure drop in Pa.
- Lw = Acoustic power in dB(A).
- Type = neck size of the diffusers in mm.
- Supply air temperature difference Dt of -11 K.
- Installation height between 2.7 and 3.1 m for types 100 up to 450, between 3.4 and 4.1 m for larger models.
- Ceiling effect included. When installed under the ceiling, the values will increase by approx. 40% and the cold air will exit at an angle of approximately 20 degrees.
- Values without damper, with damper Ps will increase with 1.9Pa and Lw with 4 dB(A).



ORDER REFERENCE DETAILS

Order Details

Order Code:

Model:
SRCD

Accessories (Optional):
V= Damper

Coating Finish:
Z0 = Powder coated, white color RAL 9010 (standard)
Z1 = Natural anodized aluminium finish
Z2 = Any other color if requested as specified

Sizes (mm)
100, 150, 160, 200, 250, 315, 355, 400, 450, 500, 630

SRCD

V

Z0

250 Ø

Order Example

Ordering :

Make : Airflow AC
Type : SRCD-V-ZO / 250 Ø
Qty :1 pc

