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group

VOLU

round swirl diffuser

RSD8
RSD10
RSD315
RSD14
RSD16

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PRODUCT DATA SHEET

1 YR WARRANTY

ROUND SWIRL DIFFUSER

Overview

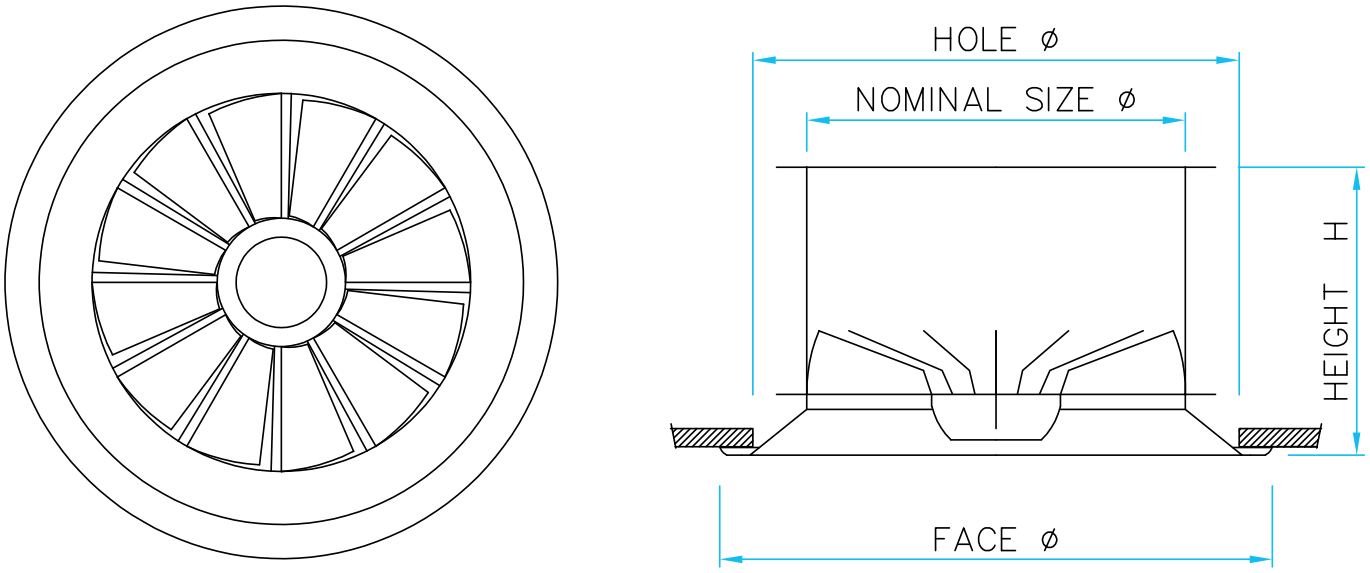
The Volu Round Swirl Diffusers are designed as supply air for ceiling applications. Ideally suited for large spaces with high ceilings, such as halls, shopping centres and airports. Adjustable control blades create infinite air patterns. The swirl pattern creates high induction levels at reduced airflow velocities. Standard finish is powder coated RAL9016. Other colours are also available upon request.

Front view

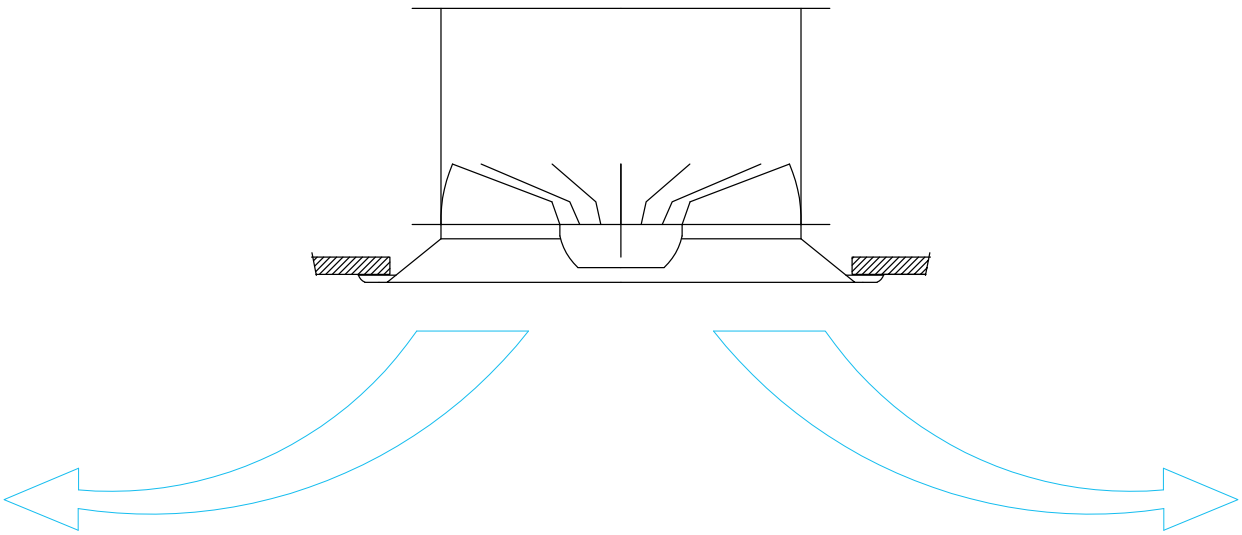
Rear view

Side view

idealair group reserves the right to make changes to product without prior notice.



RSD - ROUND SWIRL DIFFUSER



HORIZONTAL BLOW PATTERN

Product Code	Description	Neck Ø	Face Ø	Hole Ø	Height H
RSD8	Round Swirl Diffuser - 12 Blade	200	320	275	185
RSD10	Round Swirl Diffuser - 12 Blade	250	365	320	185
RSD315	Round Swirl Diffuser - 12 Blade	315	445	385	215
RSD14	Round Swirl Diffuser - 12 Blade	350	505	445	215
RSD16	Round Swirl Diffuser - 12 Blade	400	565	505	230

Dimensions in millimetres

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Technical Data

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Product Code	Pressure (Pa)	5	10	20	30	40	50	60	70
RSD8	Flow Rate (l/s)	19	29	41	51	60	67	71	75
	Noise NR	<20	<20	<20	<20	22	28	36	39
	Throw 0° (m)	0.4	0.8	1.6	2.2	2.7	3.1	3.4	3.6
RSD10	Flow Rate (l/s)	33	50	71	88	101	114	123	130
	Noise NR	<20	<20	<20	21	26	32	38	41
	Throw 0° (m)	0.7	1.2	2.1	2.8	3.2	3.6	3.9	4.2
RSD315	Flow Rate (l/s)	66	89	126	153	175	198	217	235
	Noise NR	<20	<20	22	26	30	35	38	40
	Throw 0° (m)	1.1	1.7	2.7	3.3	3.8	4.2	4.6	5.1
RSD14	Flow Rate (l/s)	83	112	155	193	222	249	271	294
	Noise NR	<20	<20	21	31	35	39	40	42
	Throw 0° (m)	1.2	1.9	2.9	3.6	4.1	4.6	5.1	5.6
RSD16	Flow Rate (l/s)	105	151	210	257	293	330	363	392
	Noise NR	<20	<20	22	29	32	36	39	42
	Throw 0° (m)	1.3	2.0	3.1	3.7	4.3	4.8	5.4	5.9

Terminal velocities for throw = 0.25m/sec.
Swirl diffuser ceiling mounted and blades set for maximum horrizontal throw.
This data to be used for quick selection only, not to be used for commissioning.

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