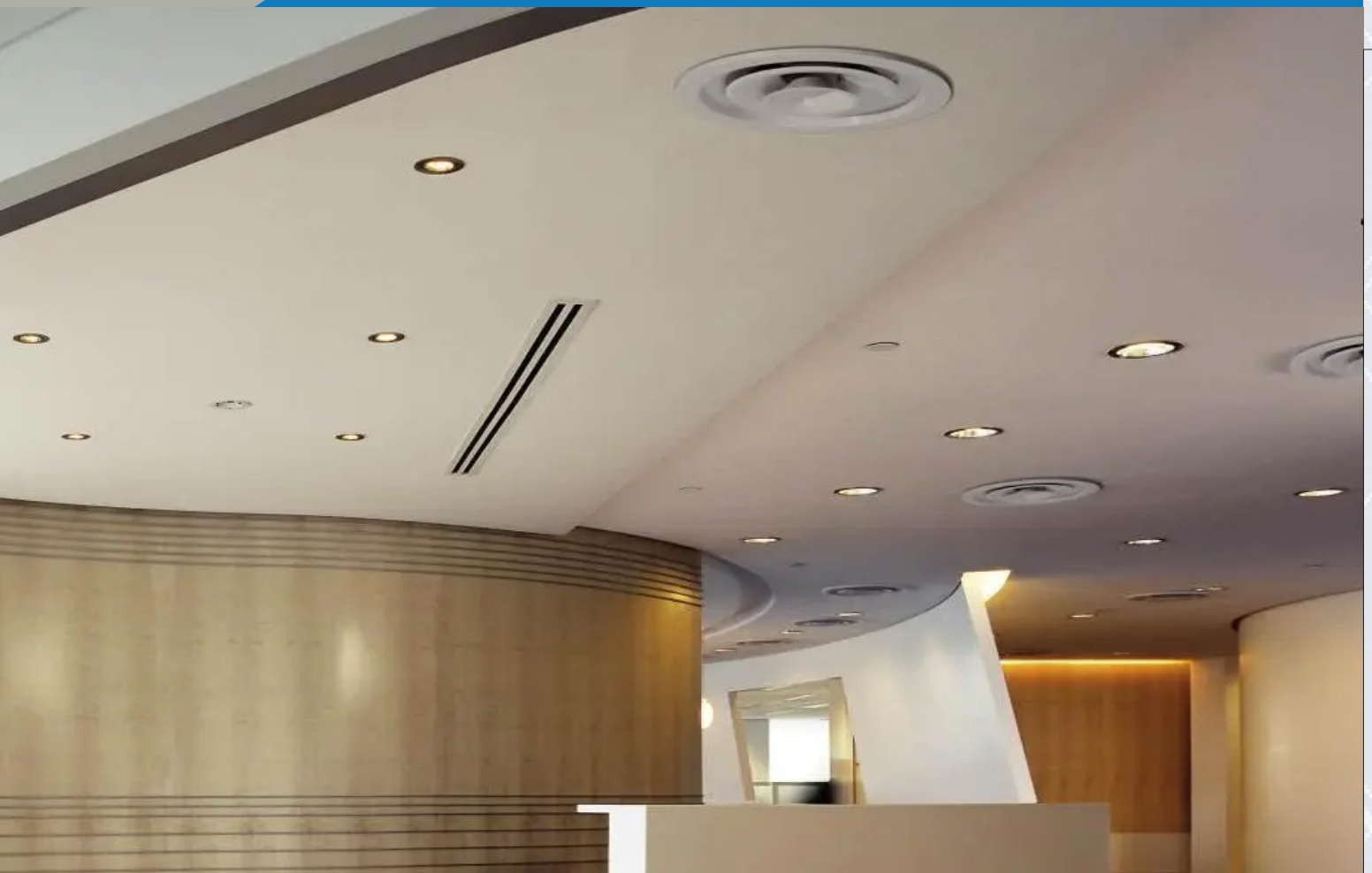


# ROUND CEILING DIFFUSER

We Care For The Air You Breathe

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## Round Ceiling Diffuser Index

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**SUPPLY ROUND DIFFUSERS (SRD) & RETURN ROUND DIFFUSER (RRD)**

**PRODUCT FEATURES**

Supply or exhaust round ceiling diffusers with fully adjustable cores to provide horizontal or vertical air pattern.

Removable inner cores permit easy installation and access to duct.

Sponge gasket added to prevent streaking.

Construction: Aluminium

Standard Finish: White powder coated. Other colors are available upon request.

**APPLICATION**

Heating, Cooling or Ventilation requiring wide diffusion effect. For ceiling or exposed duct installation.

**ACCESSORIES**

Damper (optional) for volume control in round neck diffusers is available with Butterfly Type Damper

Damper (optional) for volume control in round neck diffusers is available with Rotating Type Damper

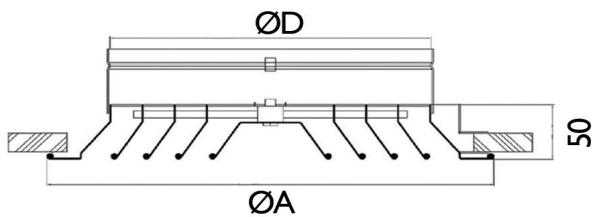
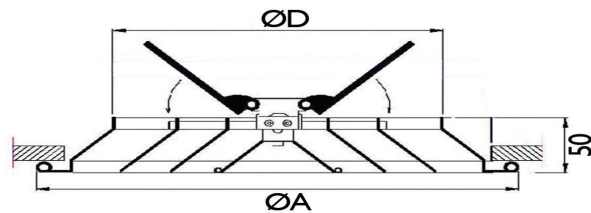
Round Diffuser with Butterfly Type Damper



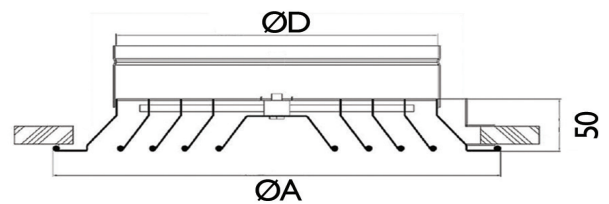
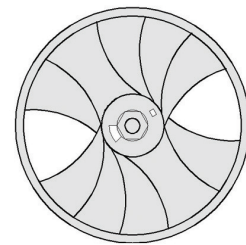
Round Diffuser with Rotating Type Damper



**DIMENSIONS**



**DIMENSIONS**

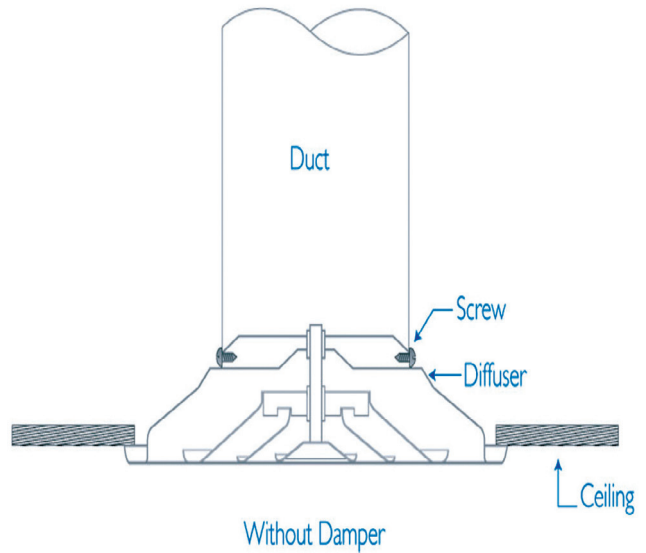


Size	A Ø	D Ø
150	250	145
200	300	195
250	350	245
300	400	295
350	450	345
400	500	405
450	550	455
521	653	521
573	704	573
625	756	625

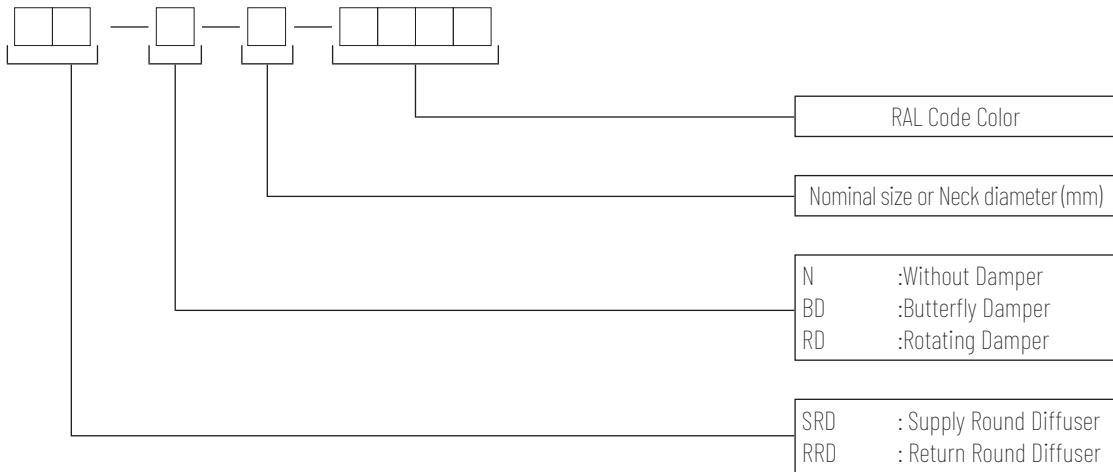
Size	A Ø	D Ø
150	250	145
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250	350	245
300	400	295
350	450	345
400	500	405
450	550	455
521	653	521
573	704	573
625	756	625

**INSTALLATION DETAILS**

1. Install outer core of the circular diffuser by means of ceiling hangers or with the help of self tapping screws. Duct joints are then sealed with adhesive tape.
2. Center core assembly can be detached or attached by rotating anti-clockwise or clockwise direction.
3. Horizontal or vertical discharge pattern could be achieved by rotating the center core clockwise or anti-clockwise direction.
  - a. Rotate the center core clockwise until you get required horizontal discharge pattern.
  - b. Rotate anti-clockwise to get required vertical discharge pattern.
4. Damper is attached to the outer core collar of the diffuser. (Factory assembled for supply diffuser only.)



**ORDERING SYSTEM**



**Ordering Example**

SRD - BD - 500mm - 9016

Stands for Round Ceiling Diffuser with adjustable cores, with Butterfly Damper, neck size 500mm Dia, powder coated RAL9016.

## NOTES:

1. Throw is based on a 0° temperature differentia Vel = Neck Velocity m/s)
2. The dB(A) values are based on a 10db room attenuation. P = Pressure Drop, mm H2O
3. Performance Data are subject to change without notice for further improvement T = Throw,m
4. Performance Data of 400 and above are not available now dB(A) = Noise Level

## PERFORMANCE DATA - RD

Model (m³/h)	Sizes	150	200	250	300	350
200	Vel	5.50	2.39	1.55	1.08	0.81
	P	2.22	0.57	0.35	0.27	0.23
	T min	1.00	0.66	0.53	0.44	0.38
	T max	1.61	1.15	0.98	0.87	0.79
	dB(A)	<14	<14	<14	<14	<14
400	Vel	10.99	4.78	3.10	2.15	1.61
	P	8.33	1.73	0.83	0.5	0.36
	T min	1.99	1.31	1.06	0.88	0.76
	T max	43	2.03	1.69	1.45	1.28
	dB(A)	-	31	20	<14	<14
600	Vel	-	7.17	4.65	3.23	2.42
	P	-	3.66	1.64	0.89	0.58
	T min	-	1.97	1.59	1.32	1.14
	T max	-	2.90	2.39	2.04	1.80
	dB(A)	-	43	33	24	16
800	Vel	-	-	6.20	4.31	3.22
	P	-	-	2.11	1.44	0.89
	T min	-	-	2.11	1.76	1.52
	T max	-	-	3.10	2.63	2.31
	dB(A)	-	-	40	31	24