

**ROUND SWIRL DIFFUSER (RSD)**



**PRODUCTS FEATURES**

The blade can be adjusted to suit summer, winter or normal temperature conditions.

Aluminium construction

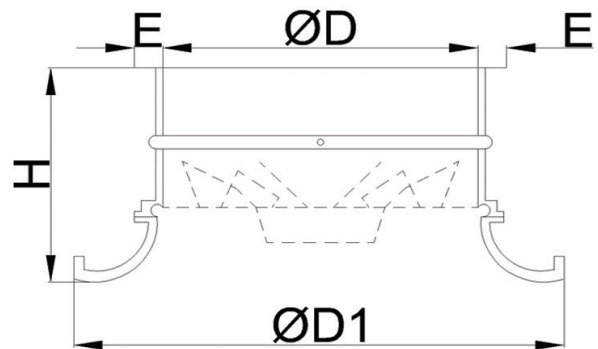
Manually adjustable blade profiles

Environment friendly swirl motion

Designed for large areas like Airports, Exhibition Centres e.t.c. where long throw is required. Powder coated to required RAL finish

**STANDARD SIZES**

Model	Size (mm)	D (mm)	H (mm)	D1 (mm)	E (mm)
RSD200	200 Ø	200	195	320	22.5
RSD250	250 Ø	250	170	360	22.5
RSD315	315 Ø	315	210	460	20
RSD350	350 Ø	350	220	500	20
RSD400	400 Ø	400	235	570	25
RSD500	500 Ø	500	260	720	32.5
RSD630	630 Ø	630	310	875	30



**BLADE ADJUSTMENT**

Summer

Normal

Winter



**THROW (m)**

Item	Air Volume (m <sup>3</sup> /h)	400	500	600	800	1000	1200	1600	2000	2500	3000	3500	5000	6000	7000	8000	9000	10000
Summer Working Condition	315 Ø	1.26	1.56	1.91	2.56	3.13	3.9	4.9										
	400 Ø	0.85	1.07	1.28	1.72	2.17	2.58	3.51	4.3	5.37								
	500 Ø				1.37	1.54	1.76	2.25	2.64	3.78	4.3	4.95						
	630 Ø					1.1	1.31	1.6	2		2.74	3.8	5.5					
Fresh Air Working Condition	315 Ø	3.5	4.3	5.2	7.06	8.8	10.37	13.34										
	400 Ø	2.5	3.2	3.9	5.2	6.5	7.9	9.8	13.1	16.5								
	500 Ø				3.4	4.6	6.4	7.8	9.7									
	630 Ø					3.6	4.7	5.7	8	10	12	16.5	20.1					
Winter Working Condition	315 Ø																	
	400 Ø																	
	500 Ø				4	5.4	7.6	9.2	11.5	16.1	18.3	22						
	630 Ø					4	5.58	6.75	9.4	11.8	14.2	19	23.7					

**PERFORMANCE CHARACTERISTICS**

RSD MODEL	Air Volume (m <sup>3</sup> /h)	Parameters	
		Pressure Drop (P <sub>d</sub> )	Noise dB (A)
315 mm Ø	200	3.9	12
	300	8.6	21
	400	15	28
	500	24	31
	600	34.5	34
	700	47	38
	800	62	43
	1000	95	48
	1200	150	53
400 mm Ø	400	5.8	16
	500	9	24
	600	13	29
	700	17.7	32
	800	23	35
	1000	36	40
	1200	52	43
	1600	92	48
	2500	225	55
500 mm Ø	800	9	18
	900	11.4	22
	1000	13.85	28
	1250	21.7	33
	1600	35.6	37
	2000	55.8	40
	2500	87.2	44
	3000	126	48
	3200	142	52
630 mm Ø	1200	8.5	26
	1400	11.5	31
	1600	15	36
	2000	23	39
	2500	37	43
	3000	53	46
	3500	72	49
	4000	94	52
	5000	147	60