

Small Cone		VSD					
SIZE	READING	NECK TOTAL PRESSURE (Pa)					
		20	30	40	50	60	70
150	FLOW l/s	61	74	85	95	104	110
	THROW m	1.89	2.16	2.48	2.62	2.77	2.81
	NC LEVEL	32	34	37	39	41	43

Medium Cone		VCD, VRD					
SIZE	READING	NECK TOTAL PRESSURE (Pa)					
		20	30	40	50	60	70
150	FLOW l/s	64	78	91	101	111	118
	THROW m	2	2.1	2.7	3	3.3	3.5
	NC LEVEL	-	-	-	-	26	28
200	FLOW l/s	107	127	147	165	180	195
	THROW m	2	2.6	3	3.2	3.6	3.9
	NC LEVEL	-	27	28	29	30	33
250	FLOW l/s	154	188	214	241	265	287
	THROW m	2.4	2.6	3.2	3.5	3.9	4.2
	NC LEVEL	-	27	29	31	33	36
300	FLOW l/s	191	235	273	306	336	364
	THROW m	2.5	2.8	3.3	3.7	4.2	4.6
	NC LEVEL	27	28	30	32	35	37

Large Cone		VCD350, VSD150-350 & VRD350					
SIZE	READING	NECK TOTAL PRESSURE (Pa)					
		20	30	40	50	60	70
150	FLOW l/s	62	76	88	98	108	115
	THROW m	2	2.1	2.7	3	3.3	3.5
	NC LEVEL	-	-	-	-	26	28
200	FLOW l/s	108	131	151	169	185	199
	THROW m	2	2.6	3	3.2	3.6	3.9
	NC LEVEL	-	27	28	29	30	33
250	FLOW l/s	145	176	201	226	249	270
	THROW m	2.4	2.6	3.2	3.5	3.9	4.2
	NC LEVEL	-	27	29	31	33	36
300	FLOW l/s	176	211	245	275	302	327
	THROW m	2.5	2.8	3.3	3.7	4.2	4.6
	NC LEVEL	27	28	30	32	35	37
350 ELECTRONIC ONLY	FLOW l/s	242	298	345	389	429	465
	THROW m	2.7	3.2	3.6	4.1	4.5	5
	NC LEVEL	27	28	30	32	35	38

Throw data is taken 25mm below the ceiling on a line through the centre of the diffuser with the control disc fully open & an air velocity at 0.25m/s.

Noise Criteria levels apply to a single diffuser mounted in a room having a Sound Absorption of 10dB in octave bands having centre frequencies from 125Hz to 8000Hz (i.e. the difference between Sound Pressure Level (dB re:2 x 10⁻⁵ Pa) and Sound Power Level (dBW re: 10⁻¹² watts) is equal to 10dB). These levels represent only the noise generated by the diffuser and do not take into account any duct-borne noise.

Diffusers are factory set for a minimum of 30% of the maximum flow levels reflected above. It should be noted that minimum diffuser air flow settings are approximate & may require to be reset on site to compensate for actual site system pressures.

Performance Data applies to Standard Air having a density of 1.2 kg/m³.