

Jet Diffusers - Panel Type - 30 Deg Position

1.2 Air Flow Data

Size in mm Dia	Neck Velocity fpm	300	400	500	600	700	800	1000	1200	1400
	Pressure loss (Pa)	1.47	2.45	4.02	5.49	7.75	9.96	15.40	22.46	30.40
100	L/s	14	19	24	28	33	38	42	52	61
	Ps (Pa)	< 2.5	< 2.5	16.38	17.75	27.46	33.34	42.17	60.80	85.32
	Throw	7.9	7.9	8.9	9.5	11.2	12.1	13.1	14.1	15.1
	NC	< 15	< 15	< 15	19	23	32	35	38	44
150	L/s	28	38	47	57	66	76	94	113	132
	Ps (Pa)	5.00	7.35	13.73	13.73	17.26	20.89	35.70	56.88	83.36
	Throw	7.9	9.8	12.1	15.1	16.4	18	20	22	23
	NC	< 15	< 15	< 15	19	23	33	35	39	44
200	L/s	52	66	85	99	118	132	165	198	231
	Ps (Pa)	< 2.5	5.00	8.24	10.89	16.77	27.95	33.44	59.82	85.32
	Throw	12.1	17.1	18	20	21	23	24.9	26.9	27.9
	NC	< 15	16	16	17	22	33	36	38	43
250	L/s	80	104	132	156	184	208	260	311	363
	Ps (Pa)	< 2.5	5.00	8.24	10.89	13.93	17.26	25.50	37.27	68.65
	Throw	18	20	21	24	27.2	27.9	31.2	33.1	35.1
	NC	< 15	< 15	<15	18	23	31	36	42	45
300	L/s	113	151	189	227	260	297	373	448	519
	Ps (Pa)	< 2.5	< 2.5	6.86	10.89	13.93	27.95	25.11	28.44	56.88
	Throw	21	23	25.9	27.9	31.2	32.2	38.1	40	41
	NC	< 15	< 15	< 15	20	26	33	36	41	45
350	L/s	156	203	255	307	354	406	505	609	708
	Ps (Pa)	< 2.5	< 2.5	7.16	11.18	11.18	13.93	16.77	28.44	71.59
	Throw	23	25.9	31.2	33.1	36.1	39	41	45.9	49.9
	NC	< 15	< 15	< 15	20	27	36	38	43	46
400	L/s	198	264	330	396	462	529	661	793	925
	Ps (Pa)	< 2.5	< 2.5	8.24	10.40	6.18	8.34	11.47	20.10	24.52
	Throw	26.9	32.2	36.1	39	41	43	47.9	53.8	60
	NC	<15	< 15	< 15	22	27	35	38	42	45

- Neck Velocity is measured in fpm.
- P_s : Static pressure drop in Pascal.
- Throw (ft) is measured for terminal velocities of 0.8 ft/s.
- Noise Criteria (NC) based on room attenuation of 10 dB.