

JET FOIL DIFFUSER MODEL JD-1

The JD-1 Jet-Flow diffuser is ideal for supply air applications in large areas such as auditoriums and arenas.

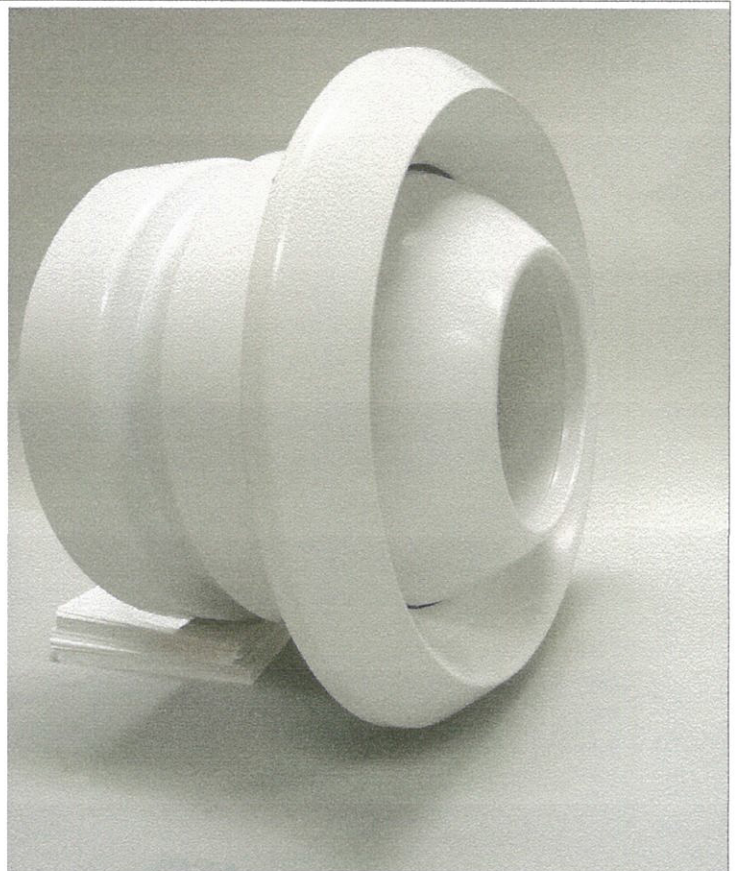
JD-1 is also recommended with vertical discharge for spot heating or spot cooling in entrance ways or concentrated machine area.

Each Individual element is adjustable from front or back without tools to provide air deflection of 30° from any plane perpendicular to the diffuser face. This and the large number of available diffuser sizes provide an almost unlimited selection of air quantity and throw combinations.

Performance Data

Throw – METER

Size		6"	8"	10"	12"	16"
L/s	24	10	6	—	—	—
	28	13	10	6	—	—
	38	16	13	10	—	—
	47	20	16	11	6	—
	52	23	18	13	10	—
	61	25	20	16	11	6
	66	28	23	17	13	10
	71	30	25	18	14	11
	76		28	20	16	13
	85		30	23	17	14
	99			26	20	16
	109			30	23	17
	132				26	20
	151				30	25
	198					30



Throws are based on diffuser mounted without the aid of a ceiling and discharging air at 20°F below average room temperature.

Values are the average distance the air stream envelope travels before the velocity is reduced to a

specified terminal level of 0.25m/s. Due to the turbulent characteristic of an air stream, the specified terminal velocity condition will cover a throw range of ±10 percent of the average values given.

For other performance data, see succeeding pages.

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PERFORMANCE DATA

Size	6"		8"		10"		12"		16"	
L/s	Static pressure (Pa)	NC	Static pressure (Pa)	NC	Static pressure (Pa)	NC	Static pressure (Pa)	NC	Static pressure (Pa)	NC
24	12	<20	—	<20	—	<20	—	<20	—	<20
28	18	<20	10	<20	—	<20	—	<20	—	<20
38	32	<20	15	<20	5	<20	—	<20	—	<20
47	47	<20	17	<20	7	<20	—	<20	—	<20
52	52	<20	20	<20	9	<20	3	<20	—	<20
61	80	23	27	<20	10	<20	4	<20	—	<20
66	92	29	30	<20	13	<20	6	<20	3	<20
71	100	33	35	<20	15	<20	6	<20	4	<20
76			40	21	17	<20	8	<20	5	<20
85			60	22	25	<20	9	<20	6	<20
99			80	26	27	<20	10	<20	8	<20
109			95	29	30	<20	15	<20	9	<20
132			120	33	37	21	20	<20	10	<20
151			150	38	70	25	25	21	11	<20
198					102	34	42	25	12	<20
260					159	40	65	30	20	<20
293							90	34	30	22
387									50	28
589									102	39

Performance data are based on diffuser element set for a straight discharge pattern, When adjusted to a full 30° pattern. Pressure drops will increase up to 40% and sound levels up to 5 dB.

construction having a floor area of approximately 900 sq. ft.

Noise criteria values (NC) are based on a room absorption deduction obtained for a room of average

Unit SIZE	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)
4	103	98	82	18	45	140	15
6	155	150	113	23	75	200	15
8	203	200	140	30	105	267	14
10	252	247	160	30	128	314	20
12	317	312	198	30	165	390	20
16	402	397	247	38	210	495	28

