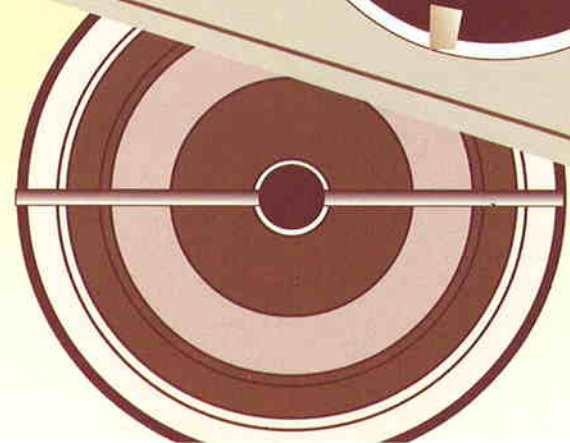
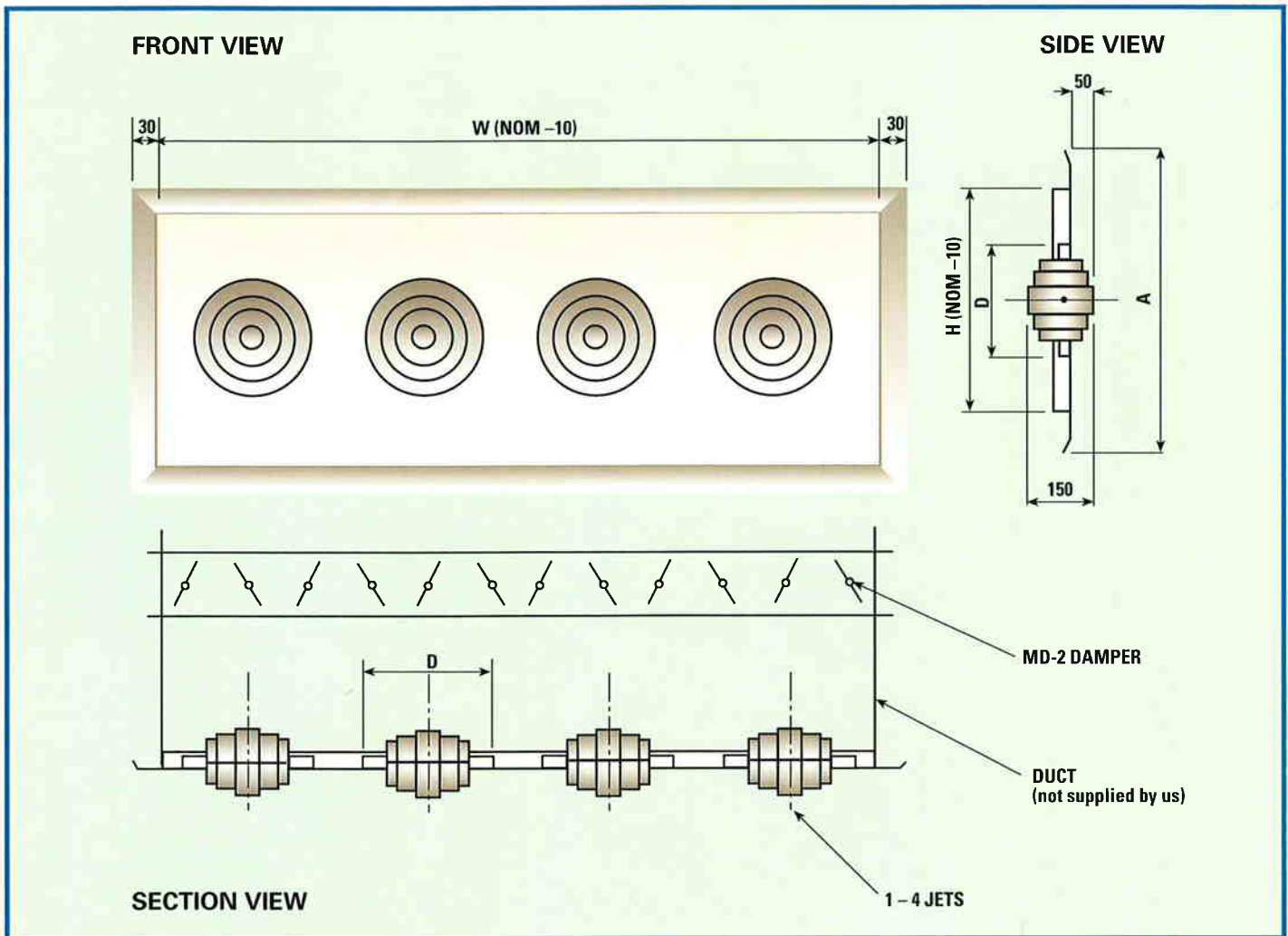


CONNOLS-AIR

Adjustable Jet Diffuser



ADJUSTABLE JET DIFFUSER • MODEL JD



DESCRIPTION

- Diffusers are designed for air conditioning or ventilation of large areas such as sport centres, auditoriums, in-door stadiums, theatres, entertainment spots and industrial buildings.
- A wide range of selection at air quantity and throw combination to meet design requirements.
- Provide air deflection at 30° from any plane perpendicular to the diffuser face without the use of special tool.
- Constructed of heavy gauge steel.
- Standard finish is of powder-coated white.
- Other optional finishes are also available.
- Suitable for ceiling and side wall mounting.

Diffuser Jet Size	D (mm)	H (mm)	A (mm)	W (mm)			
				1 Jet	2 Jets	3 Jets	4 Jets
6	150	250	300	250	479	708	937
8	200	300	350	300	579	858	1137
10	250	350	400	350	680	1010	1340
12	300	400	450	400	780	1160	1540

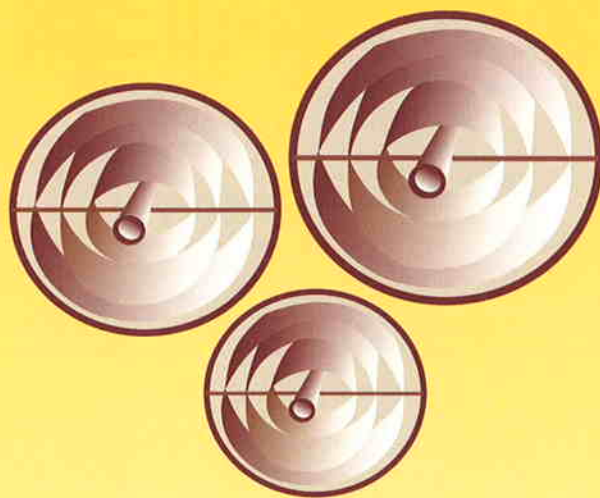
Note: • H and W dimensions refer to nominal neck size
• All dimensions are in mm.

PERFORMANCE DATA

CFM	CMH	Size 6				Size 8				CFM	CMH	Size 10				Size 12			
		No. of Jets	Static Pressure Drop (Pa)	Throw (m)	NC	No. of Jets	Static Pressure Drop (Pa)	Throw (m)	NC			No. of Jets	Static Pressure Drop (Pa)	Throw (m)	NC	No. of Jets	Static Pressure Drop (Pa)	Throw (m)	NC
200	340	1	43	12	20	1	15	11	-	500	850	1	30	14	-	1	15	12	-
300	510	1	98	14	28	1	33	12	-	600	1020	1	43	15	22	1	23	14	-
400	680	1	175	15	39	1	58	14	24	700	1190	1	58	16	26	1	30	14	-
		2	43	14	26	2	15	12	-	800	1360	1	75	16	31	1	40	15	22
500	850	1	250	16	49	1	90	15	32			2	23	14	-	2	10	12	-
		2	65	15	30	2	22.5	14	-	900	1530	1	95	18	34	1	50	16	28
600	1020	2	95	16	34	1	125	16	36			2	28	15	-	2	13	14	-
		3	43	14	24	2	33	15	21	1000	1700	1	120	20	36	1	63	18	32
700	1190	2	125	18	37	1	175	18	39			2	33	16	-	2	15	15	-
		3	50	15	29	2	45	16	26	1200	2040	1	190	21	41	1	90	20	35
800	1360	2	175	20	42	1	225	18	46			2	48	18	26	2	23	16	-
		3	75	16	33	2	58	16	30	1400	2380	3	20	16	-	3	10	15	-
		4	43	14	25	3	25	15	-			2	63	20	31	2	30	18	20
900	1530	2	205	21	46	2	73	21	33			3	25	18	-	3	13	16	-
		3	98	18	35	3	33	18	22	1600	2720	2	75	21	35	1	163	23	42
		4	55	15	29	4	18	16	-			3	33	20	-	2	40	20	26
1000	1700	-	-	-	-	2	90	20	35			4	23	18	-	3	18	18	-
		3	115	20	39	3	40	18	26	1800	3060	2	95	23	39	1	200	23	46
		4	65	16	33	4	23	15	-			3	43	21	24	2	50	21	31
1200	2040	-	-	-	-	2	125	20	39			4	28	20	-	3	23	20	-
		3	175	21	43	3	58	18	30	2000	3400	2	120	24	42	1	250	24	50
		4	98	18	36	4	33	16	24			3	53	23	30	2	63	23	35
1400	2380	-	-	-	-	2	18	21	43			4	33	21	20	3	28	21	21
		3	225	23	47	3	78	20	35	2200	3740	2	145	26	45	2	75	24	37
		4	125	20	40	4	45	18	30			3	65	24	33	3	33	23	24
1600	2720	-	-	-	-	2	225	23	48			4	38	23	24	4	20	21	20
		-	-	-	-	3	100	21	38	2400	4080	2	175	27	47	2	90	26	38
		4	175	21	43	4	58	20	33			3	75	26	35	3	40	24	28
1800	3060	-	-	-	-	3	125	23	41			4	43	24	27	4	23	23	21
		4	213	23	47	4	73	21	36	2600	4420	2	200	29	50	2	103	27	40
2000	3400	-	-	-	-	3	158	24	44			3	90	27	38	3	48	26	32
		-	-	-	-	4	90	23	38			4	50	26	31	4	28	24	23
2200	3740	-	-	-	-	3	190	26	46			2	238	30	53	2	125	29	43
		-	-	-	-	4	105	24	40	2800	4760	3	103	29	40	3	53	27	34
2400	4080	-	-	-	-	4	125	26	44			4	83	27	33	4	30	26	24
2600	4420	-	-	-	-	4	150	27	45			-	-	-	-	2	140	30	45
2800	4760	-	-	-	-	4	175	29	46			3	120	30	42	3	63	29	36
3000	5100	-	-	-	-	4	200	30	48			4	68	29	36	4	35	27	27
3500	5950	-	-	-	-	4	275	32	51			-	-	-	-	2	188	32	48
		-	-	-	-	4	275	32	51	3500	5950	3	155	32	47	3	78	30	39
		-	-	-	-	4	275	32	51			4	90	30	39	4	48	29	32
		-	-	-	-	4	275	32	51	4000	6800	-	-	-	-	2	250	35	51
		-	-	-	-	4	275	32	51			3	213	35	52	3	110	33	41
		-	-	-	-	4	275	32	51			4	120	33	44	4	63	32	37
		-	-	-	-	4	275	32	51	4500	7650	3	250	38	54	3	140	36	44
		-	-	-	-	4	275	32	51			4	150	36	46	4	78	35	41
		-	-	-	-	4	275	32	51	5000	8500	-	-	-	-	3	188	39	47
		-	-	-	-	4	275	32	51			4	188	39	50	4	100	38	43
		-	-	-	-	4	275	32	51	6000	10200	-	-	-	-	3	250	43	50
		-	-	-	-	4	275	32	51			4	250	43	55	4	145	41	47
		-	-	-	-	4	275	32	51	7000	11900	-	-	-	-	4	200	44	50
		-	-	-	-	4	275	32	51	8000	13600	-	-	-	-	4	250	47	54

NOTES :

- NC values are based on 10 dB room absorption.
- Noise level and pressure loss data are based on diffuser jet set for straight discharge pattern. When adjusted to a 30° pattern, pressure loss will increase by 40 per cent and noise level by 5 dB.
- For diffusers installed in large areas and away from reflecting surfaces, NC values above may be reduced by 6 dB for a distance of 4 metres, 10 dB for a distance of 5 metres, and 12 dB for a distance of 6 metres.
- Throws are based on diffusers mounted without ceiling with discharge air at 10°C temperature differential, to a terminal velocity of 0.25m/s.
- '-' represents NC below 20 dB.



Connols-Air (S) Pte Ltd
3-B Joo Koon Circle
Singapore 629034
Tel : (65) 861 5253
Fax: (65) 861 9850