



## Jet Diffuser

### General Information:

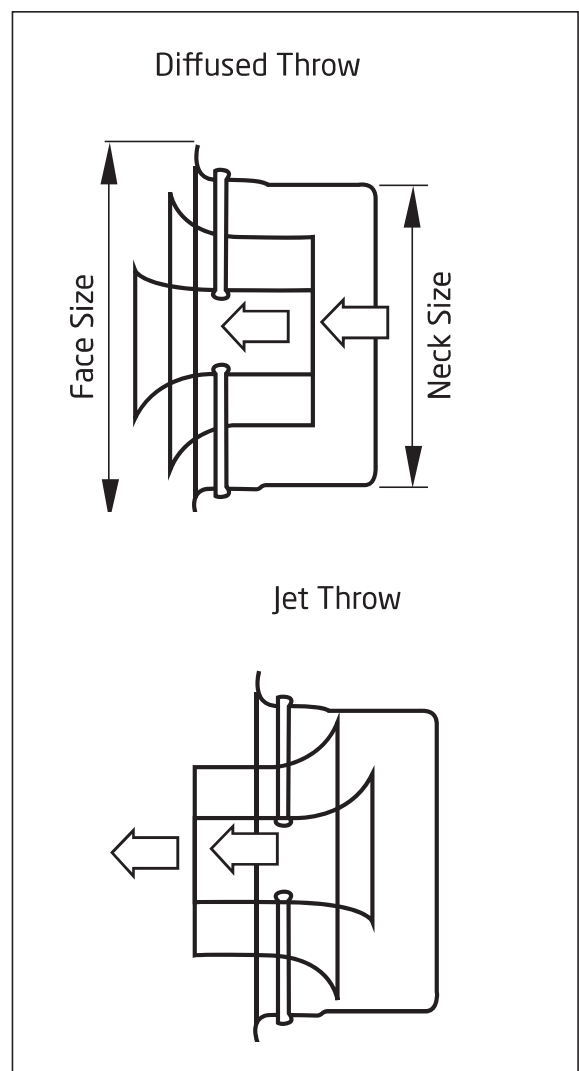
The Jet Diffusers have been designed to provide an attractive option for air conditioning large areas. Ventech diffusers are perfect for situations where large supply air quantities and throw distances are required. All Jet Diffusers are constructed from 2 cones that provide a uniformity of appearance through the range.

The Jet Diffuser has two separate modes. Firstly there is diffuse mode where the supply air is spread and diffused into the room over a relatively short distance. The second mode is Jet Mode that throws a high velocity jet of air over a long distance. Switching between the two modes is achieved by rotating the cone set through 180°.

Jet Diffusers can be mounted directly into the end of a circular duct or can be mounted into a plenum box, which may supply air to a number of Ventech diffusers. Alternatively the diffuser may be mounted into a wall or angled ceiling.

### Features:

- Aluminium, light weight construction
- The centre can be oriented 360°
- Long distance throw at high outlet velocities
- Supplied with locking nuts to facilitate fixing to existing duct
- Powder coated finished in white as standard



### Quick Selection Table

Model	Neck Size (mm)	200		250		300		350		400	
Airflow (m <sup>3</sup> /h)	Unit Symbol	Diffuser Mode	Jet Mode	Diffuser Mode	Jet Mode	Diffuser Mode	Jet Mode	Diffuser Mode	Jet Mode	Diffuser Mode	Jet Mode
100	X	3.4	7.0	1.5	5.7						
	P <sub>t</sub>	9	46	4	24						
	NR	26	30	-	16						
150	X	4.9	9.8	2.5	8.0	3.0	6.0				
	P <sub>t</sub>	18	99	9	56	2	17				
	NR	29	40	24	25	-	-				
200	X	7.0	13.8	4.0	10.0	4.1	8.2	3.2	6.5		
	P <sub>t</sub>	29	154	14	103	3	28	3	18		
	NR	35	50	31	28	20	29	18	30		
250	X	9.0	18.0	5.3	13.0	5.2	10.2	4.1	8.2	6.3	12.2
	P <sub>t</sub>	42	240	22	152	4	44	4	28	3.0	21
	NR	44	59	39	39	27	37	22	34	19	30
300	X			7.0	15.6	5.9	11.8	4.8	9.6	6.6	12.9
	P <sub>t</sub>			32	220	6	60	6	40	5.0	3.4
	NR			44	45	34	38	23	36	21	32
400	X			9.7	21.5	7.8	15.6	6.4	12.6	6.8	13.5
	P <sub>t</sub>			55	390	10	110	9	67	7.0	52
	NR			51	54	41	45	34	41	22	28
500	X					9.6	19.2	8.4	16.8	7.5	14.8
	P <sub>t</sub>					16	170	12	104	12	102
	NR					47	55	38	46	31	37
600	X					12.0	24	9.8	19.7	8.0	15.9
	P <sub>t</sub>					22	235	17	147	19	152
	NR					52	63	45	52	39	44
800	X					16.0	31.2	13.2	26.4	8.4	16.9
	P <sub>t</sub>					37	418	33	258	28	219
	NR					70	75	51	61	46	54
1000	X							16.8	33.6	9.4	18.8
	P <sub>t</sub>							57	396	38	268
	NR							68	70	54	57

**Symbols:**

X - Throw in metres correspond to a terminal velocity in occupied zone of 0.25m/s

Pressure ( P<sub>t</sub> ) - All pressures are in Pa (N/m<sup>2</sup>)

NR - Noise level index in dB based on a room absorption and one diffuser