Jet Nozzle Diffuser

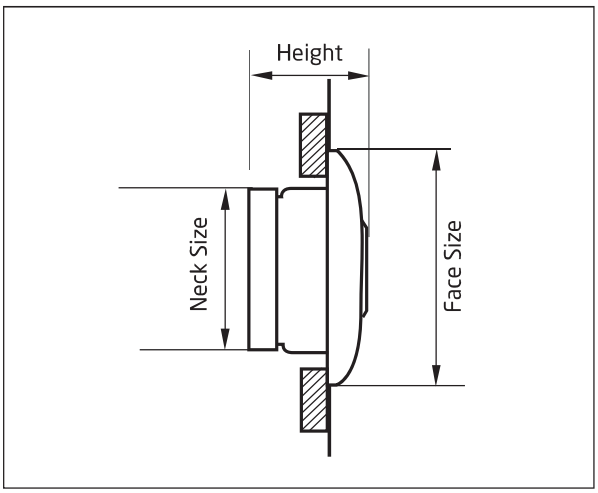
General Information:

Interior architecture are increasingly designing larger spaces for hotels, shopping malls, salons, convention centres, airport vestibules, passenger stations, social halls, etc.

In addition to effective air blowing at a long distance through nozzles (originally designed for industrial facilities), the use of these terminal units in more comfortable surroundings requires utmost attention to aesthetic design.

Features:

- From molded and spun aluminium sheeting ensuring functional strength
- Performance gives an attractive and aesthetically pleasing appearance
- Incorporating the barrel with fixing collar, swivelling nozzle and trim ring
- Powder coated white as standard



Nominal Neck Metric (X)	Face Size (A)	Height
125 mm	172 mm	96 mm
200 mm	265 mm	142 mm
250 mm	314 mm	179 mm
350 mm	433 mm	251 mm
400 mm	495 mm	285 mm

* Grilles are powder coated white as standard

* The first number is for horizontal dimension and the second number is for vertical dimension

Quick Selection Table

Flow rate		No. of slots	125			200			250			300			350			400		
(m^3/h)	(l/s)	A_K	0.0025			0.0060			0.0087			0.0390			0.0422			0.1084		
		-	$X_{0.3}$	$X_{0.5}$	X_1	$X_{0.3}$	$X_{0.5}$	X_1	$X_{0.3}$	$X_{0.5}$	X_1	$X_{0.3}$	$X_{0.5}$	X_1	$X_{0.3}$	$X_{0.5}$	X_1	$X_{0.3}$	$X_{0.5}$	X_1
75	20.8	X	11.4	6.9	3.4															
		V_K	8.3	8.3	8.3															
		P_t	37	37	37															
		NR	<15	<15	<15															
125	34.7	X	19.1	11.4	5.7	11.5	6.9	3.4												
		V_K	13.9	13.9	13.9	5.8	5.8	5.8												
		P_t	103	103	103	17	17	17												
		NR	28	28	28	<15	<15	<15												
175	48.6	X	26.7	16.0	8.0	16.1	9.6	4.8	8.3	5.2	2.4									
		V_K	19.4	19.4	19.4	8.1	8.1	8.1	3.4	3.4	3.4									
		P_t	202	202	202	34	34	34	7	7	7									
		NR	39	39	39	15	15	15	<15	<15	<15									
250	69.4	X	>30	22.9	11.4	22.9	13.8	6.9	20	9.2	4.8	12.9	7.8	3.9						
		V_K	27.7	27.7	27.7	11.5	11.5	11.5	7.6	7.6	7.6	3.8	3.8	3.8						
		P_t	411	411	411	69	69	69	30	30	30	7	7	7						
		NR	49	49	49	26	26	26	18	18	18	<15	<15	<15						
350	97.2	X				>30	19.3	9.6	23.2	12.2	6.3	18.1	10.9	5.4	16.3	8.2	4.0			
		V_K				16.1	16.1	16.1	12.1	12.1	12.1	5.3	5.3	5.3	2.6	2.6	2.6			
		P_t				134	134	134	52	52	52	14	14	14	6.0	6.0	6.0			
		NR				36	36	36	26	26	26	<15	<15	<15	<15	<15	<15			
500	138.9	X				>32	27.5	13.8	>30	23.5	10.2	25.9	15.5	7.8	23.2	12.3	6.4	17.3	10.4	5.2
		V_K				23	23	23	13.6	13.6	13.6	7.5	7.5	7.5	5	5	5	3.6	3.6	3.6
		P_t				274	274	274	120	120	120	28	28	28	12	12	12	6	6	6
		NR				47	47	47	23	23	23	17	17	17	<15	<15	<15	<15	<15	<15
700	194.4	X							>30	24.6	12.3	>30	21.7	10.9	>30	16.3	8.5	24.3	14.6	7.3
		V_K							15.3	15.3	15.3	10.6	10.6	10.6	8.2	8.2	8.2	5	5	5
		P_t							123	123	123	55	55	55	27	27	27	13	13	13
		NR							41	41	41	27	27	27	18	18	18	<15	<15	<15
1000	277.8	X										>30	>30	15.5	30	>26.2	13.2	>30	20.8	10.4
		V_K										15.1	15.1	15.1	12.1	12.1	12.1	7.1	7.1	7.1
		P_t										113	113	113	56	56	56	26	26	26
		NR										38	38	38	27	27	27	23	23	23
1400	388.9	X										>30	>30	21.7	>30	>30	17.6	>30	29.1	14.6
		V_K										21.1	21.1	21.1	15.2	15.2	15.2	10	10	10
		P_t										222	222	222	121	121	121	51	51	51
		NR										48	48	48	38	38	38	33	33	33
1900	527.8	X													>30	>30	27	>30	>30	19.8
		V_K													20.1	20.1	20.1	13.5	13.5	13.5
		P_t													162	162	162	93	93	93
		NR													52	52	52	42	42	42
2500	694.4	X																>30	>30	26
		V_K																17.8	17.8	17.8
		P_t																161	161	161
		NR																50	50	50

Symbols:

A_K - Effective area

V_k - Effective velocity in m/s

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

Pressure (P_t) - All pressures are in Pa (N/m^2)

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