

JET DIFFUSER (JD-A)

CHARACTERISTICS

Jet Diffusers are suitable for long throw distances, have optimum acoustics properties and are easy to install and adjust. Since the direction of the supply air flow is very important, we designed the revolving type jet diffusers where the direction of diffusers can be adjusted manually.

Jet nozzle consists of discharge nozzle with spherical outlet mounted in a housing, a mounting flange and a circular duct rear connection spigot for direct connection to a circular duct.

PRODUCTS FEATURES

Jet Diffusers are used in large areas especially when the distribution of air via ceiling diffusers is not possible.

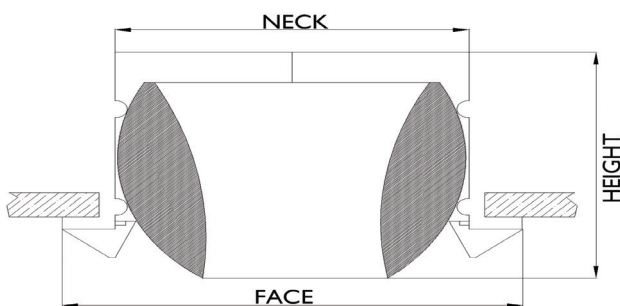
In summer, the supply air is deflected upwards (cold air) and in winter, downwards (warm air) to mix with the existing air stream uniformly.

The well-designed aerodynamic shape of Flowtech Jet Diffusers results in low noise characteristics and can be used in areas which need high quality air such as concert halls, theater, museum, etc.

Material: Aluminium

Finish: Standard colors are RAL9010 or RAL9016. Other colors are available upon request.

DIMENSIONS



Size (mm)	Neck	Face	Height
100	98	139	85
125	123	170	100
150	148	200	110
160	158	200	110
200	198	265	140
250	248	315	175
315	313	385	230
400	398	495	285
450	448	520	305
500	495	620	350
630	625	779	420

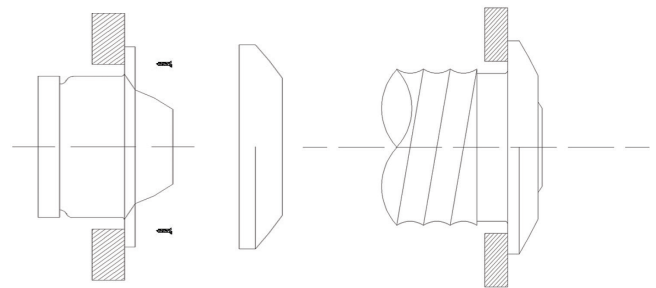


INSTALLATION

Flowtech Jet Diffuser are suitable for mounting on rectangular or circular ducts. With both types of connection, there is a circular undrilled flange which can be used for either screwing or rivet fixing by others but a sealing strip should preferably be fitted first.

A spigot is provided for direct connection to spiral or flexible circular ducts. The spigot diameter accepts standard circular duct size.

Jet diffuser can be inserted into an connection spigot and can be screwed to the air duct. To hide the screws, a covering with a bayonet fixing can be fixed, which is easy to knock down later.



JET DIFFUSER IN PANEL



TECHNICAL PARAMETER

Size	Effective Area of Supply (m ²)	Air Volume (m ³ /h)	Pressure Loss (Pa)	Noise Db (A)	Length of a Air Stream for Isothermal Conditions Ln (m)			
160	0.005	100	18.5	26	10.7	0.25		
		125	22.8	30	13.5			
		160	56	34	17.4			
		200	82	39	22.2			
		250	116	43	27.3			
				125	22.8	30	6.7	0.50
				160	56	34	8.6	
				200	82	39	10.8	
				250	116	43	13.5	
				320	144	48	16.3	
200	0.009	160	10	30	12.7	0.25		
		200	21	33	16			
		250	54	38	20			
		320	82	41	25.7			
		400	116	45	32.2			
				200	21	33	7.9	0.50
				250	54	38	9.9	
				320	82	41	12.6	
				400	116	45	16	
				500	142	49	18.5	
250	0.145	250	11	29	12.9	0.25		
		320	22	34	16.9			
		400	55	39	25.2			
		500	81	42	31.5			
		630	116	46	37.5			
				320	22	34	8.4	0.50
				400	55	39	12.5	
				500	81	42	15.6	
				630	116	46	18.6	
				800	142	50	21.4	
315	0.023	400	12.8	26	16	0.25		
		500	21	34	20			
		630	46	38	25			
		800	68	42	30.2			
		1000	94	46	37			
				500	21	34	9.9	0.50
				630	46	38	12.5	
				800	68	42	15	
				1000	94	46	18.4	
				1250	148	50	21.6	

TECHNICAL PARAMETER

Size	Effective Area of Supply (m ²)	Air Volume (m ³ /h)	Pressure Loss (Pa)	Noise Db (A)	Length of a Air Stream for Isothermal Conditions Ln (m)	
400	0.0415	630	8	32	17.6	0.25
		800	17	36	22.2	
		1000	31	39	28.4	
		1250	58	43	34	
		1600	80	46	40	
		800	17	36	10.9	0.50
		1000	31	39	14	
		1250	58	43	1.8	
		1600	80	46	19.7	
		2000	102	49	22.8	
500	0.0642	1000	5	30	18.3	0.25
		1250	12	36	22.8	
		1600	28.8	41	28.9	
		2000	51	44	34.8	
		2500	70	50	41.2	
		1250	12	36	11.3	0.50
		1600	28.8	41	14.3	
		2000	51	44	17.2	
		2500	70	50	20.4	
		3200	90	52	23.1	
630	0.127	2000	6	36	17.5	0.25
		2500	12.5	41	21.8	
		3200	29.4	43	27.6	
		4000	52	46	35.4	
		5000	78	49	44.3	
		2500	12.5	41	10.8	0.50
		3200	29.4	43	14	
		4000	52	46	18.2	
		5000	78	49	21.6	
		6300	103	51	26	