Cooltech Industries Pty Ltd

Jet Diffuser Flanged

Product Code	Exact Neck Metric ØA	Nom. Neck Imperial ØA	Ceiling Cut Out Size	Height Metric H	Face Size Metric ØB
JDF8	200	8	220	115	280
JDF10	250	10	270	115	330
JDF12	300	12	320	115	380
JDF14	350	14	370	115	430
JDF16	400	16	420	115	480
Grilles are aluminium powder coated white as standard					

Description

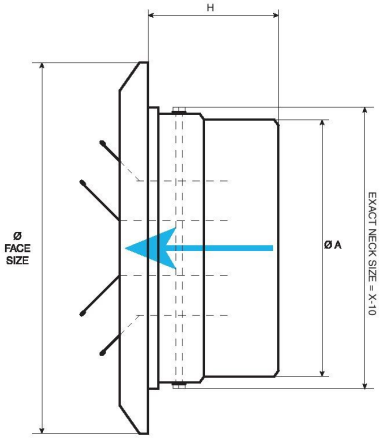
For supply air, delivering a powerful stream of air over long distances. The jet diffuser core can be rotated 180° to discharge air in either a diffused or jet pattern. The throws with the Jet setting are typically double that of the Diffused setting. The versatility of this design makes the diffuser a popular choice for large areas requiring varied comfort levels. The diffuser is also ideal for spot cooling of areas with high heat loads.

Construction

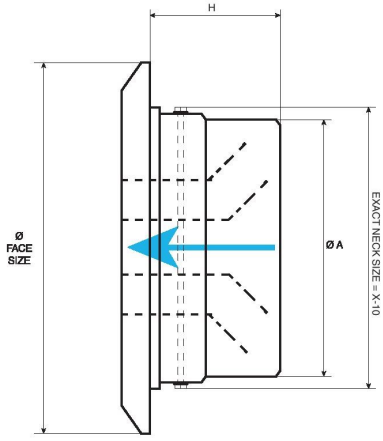
From spun aluminium sheeting ensuring functional strength and performance that also gives an attractive and aesthetically pleasing appearance. Incorporating the centre barrel fixed my means of a pivoting rod to the outer flanged housing. Standard finishes are white and additional finishes are available on request.

Performance Data

Throw values are based on diffusers installed in the sidewall more than 2.0m above the floor line. Terminal velocities are based on a one side installation only with throws given at 0.25m/s. Tests results were carried out in the diffused pattern only. Jet pattern throws are calculated by multiplying the diffused throws by 2.
For other performance or selection details please contact the supplier.



Diffused Throw

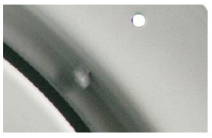


Jet Throw

Cooltech Industries Pty Ltd

Easy and Convenient

For ease of installation the outer face ring twists on the main face to hide all fixings.



The core swivels on its axis to provide preferred airflow direction.

Product Code	Performance Data	Units	Neck Velocity (m/s)					
			2	3	4	5	6	7
JDF8	Air Flow	l/s	63	94	126	157	188	220
	Noise Criteria	NC	<15	16	23	31	38	44
	Pressure Drop	Pa	3	8	13	21	30	41
	Throw-Diffused	m	4.2	4.9	5.6	6.3	7.1	8.0
	Throw-Jet	m	8.5	10.0	11.1	12.4	14.2	15.8
JDF10	Air Flow	l/s	98	147	196	245	295	344
	Noise Criteria	NC	<15	17	25	33	40	45
	Pressure Drop	Pa	3	7	13	20	29	40
	Throw-Diffused	m	4.9	5.6	6.4	6.9	7.6	8.7
	Throw-Jet	m	9.6	11.1	12.4	13.6	14.9	17.2
JDF12	Air Flow	l/s	141	212	283	354	424	495
	Noise Criteria	NC	<15	18	27	35	42	48
	Pressure Drop	Pa	3	7	13	20	28	39
	Throw-Diffused	m	5.8	6.4	6.9	7.4	8.1	9.2
	Throw-Jet	m	11.2	12.5	13.7	14.6	16.0	18.3
JDF14	Air Flow	l/s	192	289	385	481	577	673
	Noise Criteria	NC	17	20	29	36	43	49
	Pressure Drop	Pa	3	7	12	19	28	38
	Throw-Diffused	m	6.0	6.6	7.2	7.6	8.3	9.4
	Throw-Jet	m	11.8	12.8	14.0	15.1	16.4	18.6
JDF16	Air Flow	l/s	251	377	503	629	754	880
	Noise Criteria	NC	19	22	31	39	46	54
	Pressure Drop	Pa	3	7	12	19	28	38
	Throw-Diffused	m	6.3	6.8	7.5	7.9	8.7	9.8
	Throw-Jet	m	12.2	13.5	14.8	15.8	17.2	19.1