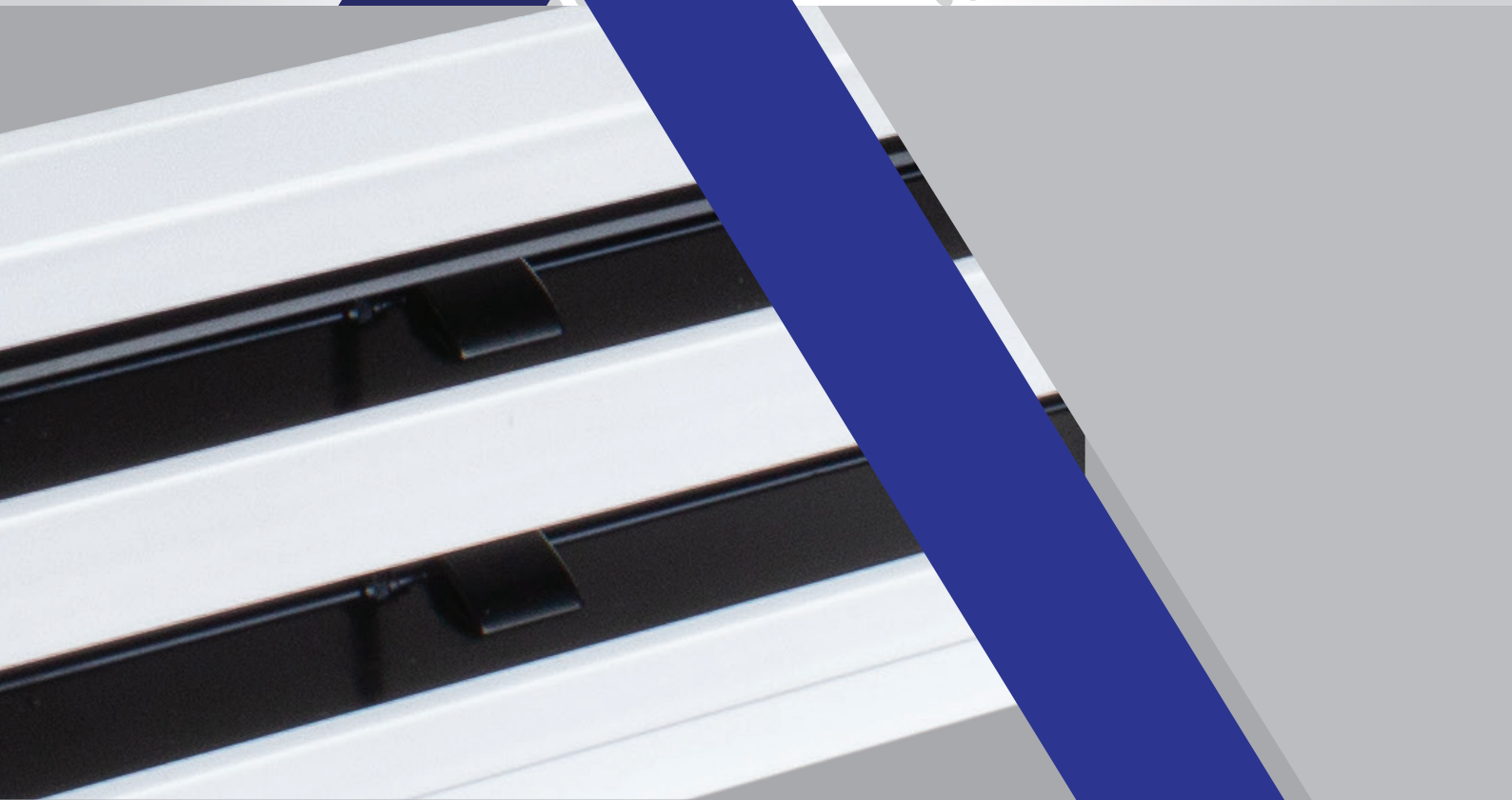


ADVANTAGE AIR[®]

TECHNICAL CATALOGUE

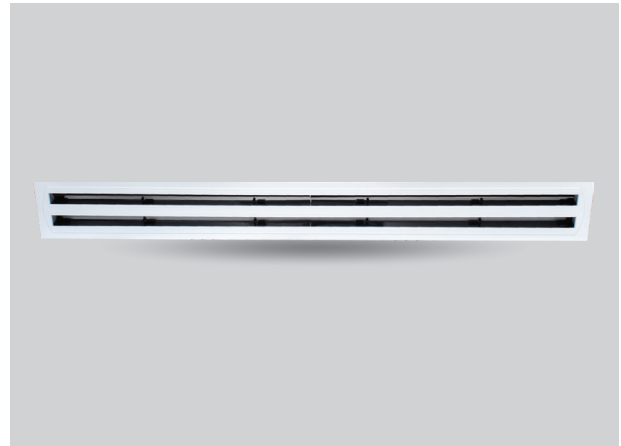


Linear Slot Diffuser

LINEAR SLOT DIFFUSER

FEATURES

- Frame and deflection blades are made of high quality extruded aluminium profiled construction with the advantages of corrosion resistance and rigidity.
- Air distribution can be changed vertically or horizontally. These blades can be fully adjusted from face opening.
- Suitable for installation for ceiling and sills.



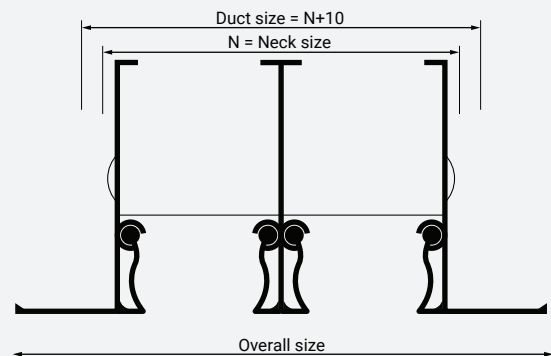
CONSTRUCTION

- Frame & Blades: High quality extruded aluminium profiles.
- Frame width: 32mm available.
- Slot width: 25mm and non standard sizes available as option.
- Number of slots available: 1,2,3,4.
- Length: Up to 3 mt available in a single piece.

FINISHES

- Powder coated colour finish as per RAL colour code.

DIMENSIONS



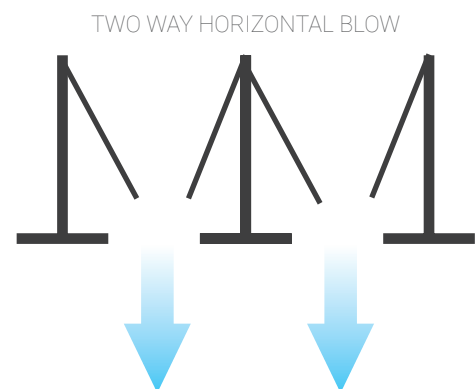
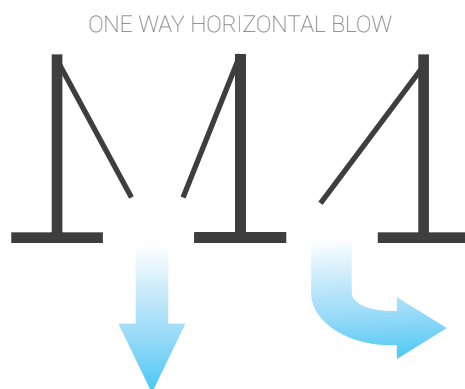
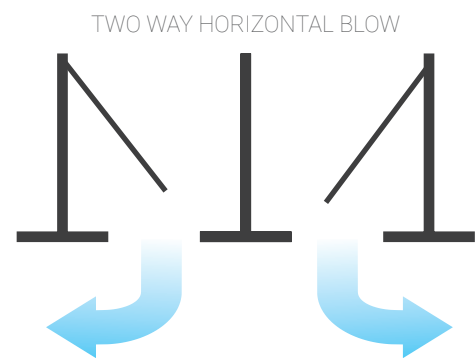
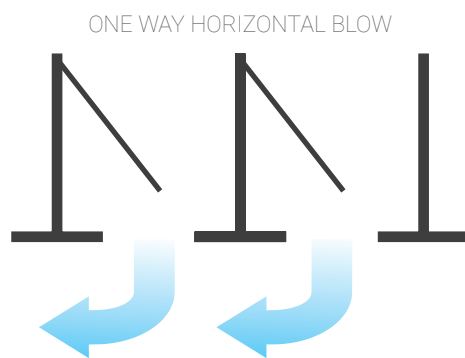
PERFORMANCE CHARACTERISTICS

• 25 mm slot opening

No. of slots	1	2	3	4
Neck size in mm	52	102	152	202
Overall size	89	138	186	236

AIR FLOW DIRECTION ADJUSTMENT

By using a screw driver adjust the position of the deflector blades to provide the required throw pattern.



Air flow data

Number of slots A_x in m ²	Air flow rate per meter length		Face Velocity m/sec	Throw in meters	Noise Criteria (NC)
	Cfm	m ³ /sec			
1	75	0.035	3.02	5.3 - 3.2 - 1.9	16
	100	0.047	4.05	6.6 - 4.6 - 2.8	25
	125	0.059	5.09	7.7 - 5.3 - 3.9	29
	150	0.071	6.12	8.4 - 6.3 - 4.8	33
	175	0.083	7.15	9.4 - 7.2 - 5.5	36
	200	0.094	8.10	10.5 - 8.2 - 6.1	40
2	125	0.059	2.52	5.6 - 3.2 - 1.6	<15
	150	0.071	3.03	6.6 - 4.1 - 2.2	17
	175	0.083	3.55	7.4 - 5.0 - 3.2	24
	200	0.094	4.02	7.7 - 5.6 - 4.5	28
	250	0.118	5.04	8.8 - 6.6 - 5.2	34
	300	0.142	6.07	10.0 - 7.9 - 6.0	39
3	150	0.071	2.03	4.9 - 2.9 - 1.2	<15
	200	0.094	2.68	5.6 - 3.6 - 2.2	17
	225	0.106	3.03	6.9 - 4.3 - 3.3	22
	250	0.118	3.37	7.7 - 5.3 - 3.9	27
	300	0.142	4.06	8.8 - 6.3 - 4.6	32
	350	0.165	4.71	10.0 - 7.4 - 5.2	36
	400	0.189	5.40	10.6 - 7.9 - 5.6	40
4	200	0.094	1.96	5.6 - 3.6 - 1.9	<15
	250	0.118	2.46	6.3 - 4.3 - 2.8	17
	300	0.142	2.96	7.0 - 4.9 - 3.6	22
	350	0.165	3.44	7.7 - 5.5 - 4.2	28
	400	0.189	3.94	8.7 - 6.6 - 4.9	32
	450	0.213	4.44	9.5 - 7.2 - 5.4	35
	500	0.236	4.92	10.0 - 7.7 - 6.0	38
	550	0.26	5.42	10.9 - 8.4 - 6.5	41

- Data based on one meter length of the diffuser.
- Face velocity is measured in m/sec.
- Throw (meters) is measured for terminal velocities of 0.25, 0.5 & 0.75 m/sec.
- NC based on a room attenuation of 10 dB.



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