

Adjustable Slot Diffuser

Description

For supply air, the individually adjustable blade arrangement provides unique airflow patterns and improved air mixing capabilities. Suitable for wall or ceiling mounting. Available in multiple slot widths and lengths.

Construction

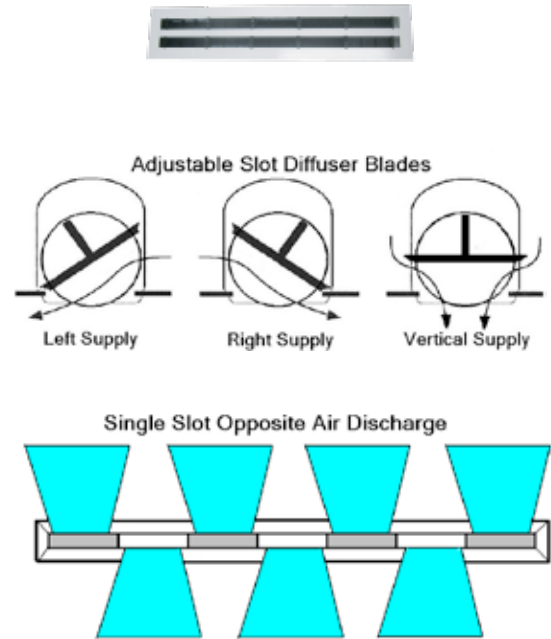
From high quality aluminium extrusion with black adjustable plastic blades. Mitred ends are standard on all Adjustable Slot Diffusers. Powder coated white as standard with special colours available upon request.

Air Discharge Options

The direction of air discharge can be adapted to suit any room requirements. The air control blades can easily be positioned to discharge air in either one direction or in opposite directions. A further option to discharge air vertically is also available. Air control blades can be pre set in the factory or easily done on site. An example of an opposite discharge layout is shown.

Performance Data

The throw is based on Isothermal conditions with a room height of 2.7m with the diffuser mounted flush in an unobstructed ceiling. Horizontal throws are given at a terminal velocity of 0.5m/s to 0.25m/s, while vertical throws are to 0.25m/s for a 1 meter active length. Throw values are for throws in one direction only and with four slots as maximum. Noise Ratings are based on a room absorption level of 10db.



	Supply Air Volume per Metre									
	l/s/m	45	60	75	100	125	150	175	200	225
1 Slot	Throw H	1.2-2.2	1.6-2.8	1.8-3.6	2.1-4.2					
	Throw V	1.8	2.4	2.7	3.2					
	Pa	16	27	45	55					
	NC	26	32	37	40					
2 Slot	Throw H	1.0-2.0	1.4-2.5	1.6-3.0	1.8-3.6	2.0-4.1	2.3-4.7			
	Throw V	1.6	2.0	2.3	2.7	3.2	3.6			
	Pa	8	14	22	40	56	90			
	NC	19	23	25	30	36	42			
3 Slot	Throw H	0.8-1.8	1.1-2.1	1.4-2.5	1.6-3.1	1.8-3.6	2.1-4.1	2.5-4.7	3.0-5.3	
	Throw V	1.4	1.6	1.9	2.3	2.7	3.1	3.6	4.2	
	Pa	5	10	15	27	41	60	66	86	
	NC	<15	17	20	23	28	33	38	44	
4 Slot	Throw H	0.6-1.5	0.9-1.8	1.2-2.1	1.5-2.6	1.7-3.1	1.9-3.6	2.3-4.2	2.6-4.8	3.0-5.5
	Throw V	1.2	1.4	2.7	3.5	4.2	5.0	6.0	6.5	6.9
	Pa	4	7	11	20	31	45	60	80	100
	NC	<15	<15	<15	18	21	26	31	37	45