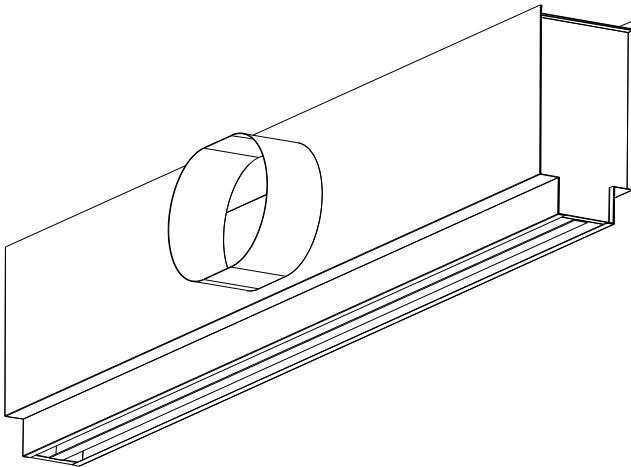


Model MSD Modulinear Slot Diffusers



Introduction

Model MSD modulinear slot diffusers are designed to install into a paired T-Bar location. They are available in 1 to 4 slot models and all incorporating the unique pattern controller used in the model LSD linear slot diffusers.

The pattern controller allows 180° adjustment of air pattern adjustment. The adjustable pattern controller produces a tight “ceiling hugging” horizontal pattern even at low flow rates. This blanketing effect makes the diffuser an excellent choice in VAV air distribution. Balance dampering is also possible adjusting from the face of the diffusers in both horizontal and vertical pattern settings.

The return models have the same construction as supply models with pattern controllers removed and no drawn neck for duct connection.

Features

- Designed for standard lay-in T-bar ceiling systems.
- Available in 1 to 4-slots
- Standard module lengths are 600mm and 1200mm. Custom length also available on requested.
- Pattern controllers on the 1200mm can be divided into two segments in order to allow for split air pattern deflection on requested.

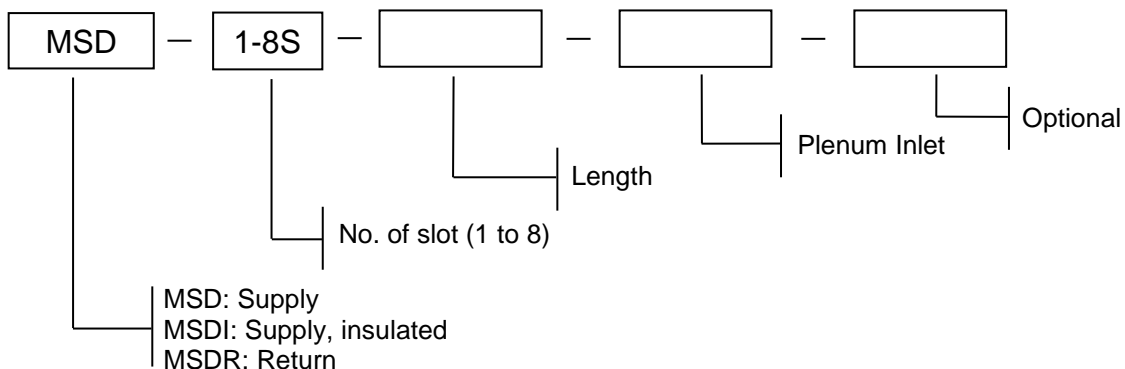
Finish

- Plenum – Mill
- Pattern controller – Black
- Outside T-bars – Painted white
- Special finishes are also available on requested

Optional

- Inlet damper
- Internal / external insulation
- Factory installed T-bars

Order Code



Supply Performance Data

SLOTS	Total Press. (Pa)	H	1	4	8	15	23	32	45	57
		V	1	3	6	11	17	24	32	42
1	m ³ /s/m		0.009	0.018	0.027	0.036	0.045	0.054	0.063	0.072
	Throw (m)	H	0.3-0.3-1	0.3-1-2.5	1-1.5-3	1.5-2.5-3.5	2.5-3-4.5	2.5-3-4.8	3-3.5-5	3.5-4-5.5
		V	0.5	1.5	3	3.5	4	4.5	4.8	5
	NC	-	-	-	20	25	30	35	40	
2	m ³ /s/m		0.018	0.036	0.054	0.072	0.090	0.108	0.126	0.144
	Throw (m)	H	0.3-0.3-1.5	0.5-1.5-3.5	1.5-3-3.5	2.5-3.5-5.5	3-4.5-6	3.5-4.5-6.5	4-5-7	4.5-5.5-7.5
		V	1	2.5	4	5	5.5	6	6.5	7
	NC	-	-	20	25	30	35	40	45	
3	m ³ /s/m		0.027	0.054	0.081	0.108	0.135	0.162	0.189	0.216
	Throw (m)	H	0.3-0.5-2.5	1-2-4.5	2-3.5-5.5	3-4.5-6.5	4-5-7.5	4.5-6-8	5-6-8.5	5.5-7-9
		V	1.5	3	5	6	6.5	7.5	8	9
	NC	-	-	20	30	35	40	45	50	
4	m ³ /s/m		0.036	0.072	0.108	0.144	0.180	0.216	0.252	0.288
	Throw (m)	H	0.3-1-3	1.5-3-5.5	3-4.5-6.5	3.5-5.5-7.5	4.5-6-8.5	5.5-6.5-9	6-7-9.5	6.5-7.5-10
		V	1.8	3.5	5.5	7	8	9	10	10.5
	NC	-	-	20	30	35	40	45	50	

Return Performance Data

SLOTS	Neg. S. P.	2	7	15	25	40	65	90	110
1	m ³ /s/m	0.015	0.03	0.045	0.06	0.075	0.09	0.105	0.12
	NC	-	-	20	30	35	40	45	45
2	m ³ /s/m	0.03	0.06	0.09	0.12	0.15	0.18	0.21	0.24
	NC	-	-	25	30	35	40	45	50
3	m ³ /s/m	0.045	0.09	0.135	0.18	0.225	0.24	0.315	0.36
	NC	-	-	25	35	40	45	50	50
4	m ³ /s/m	0.06	0.12	0.18	0.24	0.3	0.36	0.42	0.48
	NC	-	-	25	35	40	45	50	55

NOTES ON PERFORMANCE DATA

- Throw values are based on a 1m long active section. When only 0.3m is active the values are 0.6 times those shown. For a 3m or continuous length the values are 1.8 times those shown.
- Horizontal (H) throw is minimum to a terminal velocity of 0.75m/s middle to 0.5m/s and maximum to 0.25m/s.
- Horizontal throw values based on full-open, one direction.
- Vertical (V) throw is to a terminal velocity of 0.25m/s
- The NC values are based on a room absorption of 10 dB, re 10⁻¹² watts and 3m active section. The values are 11 dB lower with vertical projection