

Grilles - Linear Slot Diffuser - type PYLS

Application: Variflow slot diffusers are an alternative to the ceiling or high sidewall supply diffusers. Slot diffusers can be installed individually or in a continuous line. They can also be installed in any type of ceiling application.

The modules are available with the number of slots ranging from 1 to 8.

The air pattern control is adjustable from the diffuser face and is achieved by means of an adjustable tube with each slot, enabling a full 180° air pattern adjustment.

The suggested volume control should be from the main duct run take-off, or from a butterfly damper fitted to the inlet of the cushion head box.

Aluminium lightweight construction, will not rust or corrode.

Available in width from 1 to 12 slots (made to order)

Suitable for commercial and domestic application.

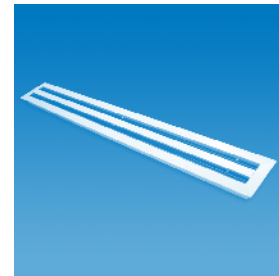
Aerodynamically designed to ensure maximum airflow at minimum noise level.

Wide linears supplied in sections, with joining strips to appear continuous.

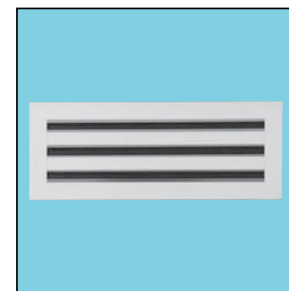
Accessories: Cushion Head Boxes

Standard Finish: Powder Coat White (aluminium finish available on indent)

Standard Stock Line: 1, 2 & 3 slot modules 1200mm long, other sizes made to order



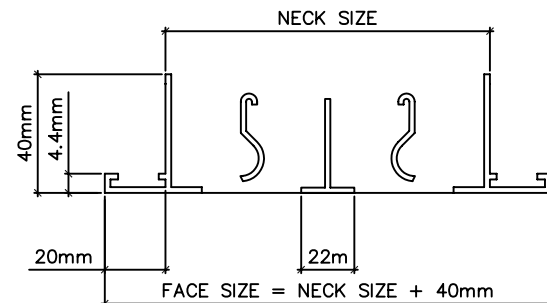
Linear Slot Diffuser



Linear Slot Diffuser standard sizes

Code	Neck Size (mm)	Slots
PYLS1	1200 x 44	1 Slot
PYLS2	1200 x 84	2 Slot
PYLS3	1200 x 126	3 Slot

Linear Slot Diffusers can be used in ceiling or wall
Sizes are indicative only and may change



Linear Slot Diffusers in a continuous line

PTO for Linear Slot Diffuser continued

Due to a policy of continuous development, prices and specifications are subject to change without notice.

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NR	1 Slot				2 Slot				3 Slot			
	L/s	Pa	t.50	t.25	L/s	Pa	t.50	t.25	L/s	Pa	t.50	t.25
20	110	17	2.9	4.1	190	13	3.2	4.5	270	12	3.4	4.8
30	178	46	3.7	5.2	310	35	4.1	5.7	433	30	4.3	6.1
40	234	79	4.3	6.0	411	61	4.7	6.6	570	52	5.0	7.0
50	285	117	4.7	6.6	500	90	5.2	7.3	691	77	5.5	7.7
60	330	157	5.1	7.1	580	121	5.6	7.8	800	103	5.9	8.3

NR	4 Slot				5 Slot				6 Slot			
	L/s	Pa	t.50	t.25	L/s	Pa	t.50	t.25	L/s	Pa	t.50	t.25
20	330	10	3.5	4.9	395	9	3.6	5.1	455	9	3.7	5.2
30	536	26	4.5	6.3	627	23	4.6	6.4	754	24	4.8	6.7
40	709	45	5.1	7.2	822	40	5.2	7.3	1007	42	5.5	7.7
50	862	67	5.7	7.9	994	58	5.8	8.1	1229	62	6.1	8.5
60	1000	90	6.1	8.6	1150	78	6.2	8.7	1430	85	6.6	9.2

NR	8 Slot				10 Slot				12 Slot			
	L/s	Pa	t.50	t.25	L/s	Pa	t.50	t.25	L/s	Pa	t.50	t.25
20	570	8	3.8	5.3	660	7	4.0	5.5	750	7	4.0	5.6
30	892	19	4.7	6.6	1071	18	5.0	7.1	1192	16	5.0	7.1
40	1164	32	5.4	7.5	1418	31	5.8	8.1	1565	28	5.8	8.1
50	1404	47	5.9	8.3	1724	46	6.4	9.0	1893	41	6.4	8.9
60	1620	62	6.4	8.9	2000	62	6.9	9.6	2190	56	6.8	9.6

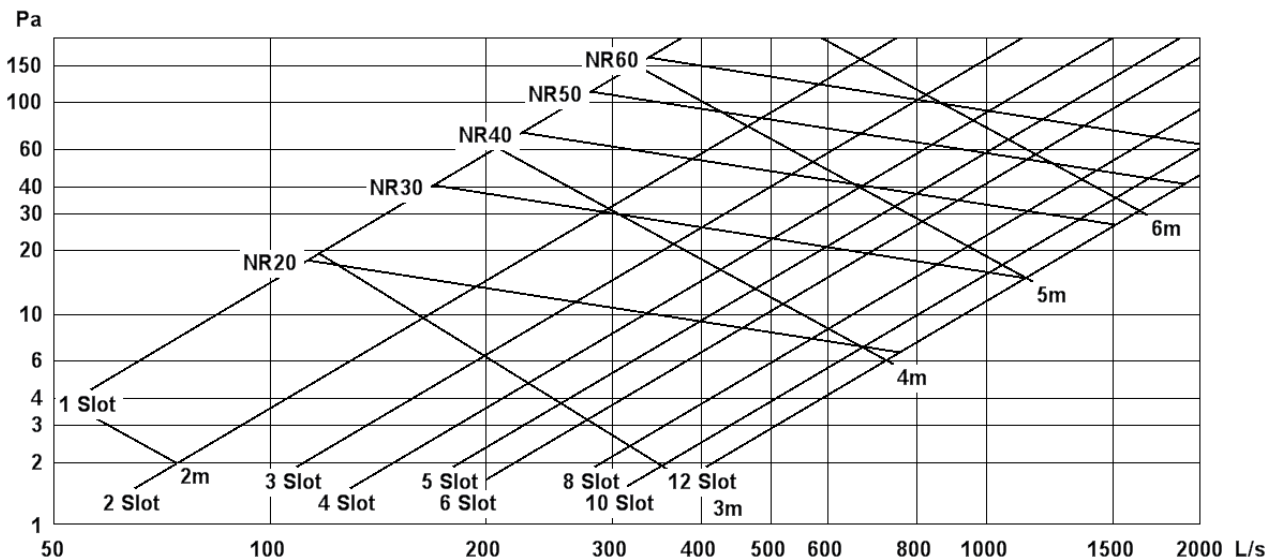
NOTES:

t.5 - Throw (m) to terminal velocity of 0.5m/s.

t.25 - Throw (m) to terminal velocity of 0.25m/s.

NR - Noise Rating calculated with assumed 10dB deducts for room absorption.

Pa - Static Pressure, Pascals



Throw (m) is to a terminal velocity of 0.5m/s.

Throw to a terminal velocity of 0.25m/s is approximately 40% of the above.

Note: Calculations and Testing Based on 1135 x 20mm Slot Diffuser.

Legend

- Pa Pascals
- L/s Litres per second
- NR Noise Rating

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