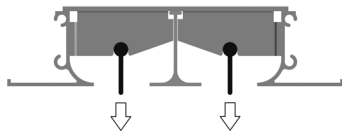


VLN1 600 2 Slot - 150mm Spigot						
	FULLY OPEN					
NECK TOTAL PRESSURE (Pa)	20	30	40	50	60	70
FLOW (l/s) PATTERN B	43	52	61	68	75	81
FLOW (l/s) PATTERN C	33	40	47	52	58	62
THROW (m) PATTERN B	2,2	2,6	2,7	2,9	3,1	3,2
THROW (m) PATTERN C	3,1	3,6	3,9	4,1	4,3	4,4
NOISE - NC LEVEL	29	32	35	37	39	40

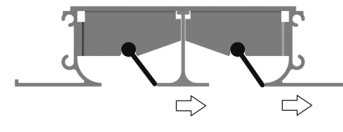
VLN1 900 2 Slot - 200mm Spigot						
	FULLY OPEN					
NECK TOTAL PRESSURE (Pa)	20	30	40	50	60	70
FLOW (l/s) PATTERN B	67	84	97	108	119	128
FLOW (l/s) PATTERN C	56	70	81	90	99	107
THROW (m) PATTERN B	2,7	3,1	3,3	3,5	3,7	3,9
THROW (m) PATTERN C	3,8	4,4	4,7	5	5,2	5,4
NOISE - NC LEVEL	30	34	37	39	41	43

VLN1 1200 2 Slot - 250mm Spigot						
	FULLY OPEN					
NECK TOTAL PRESSURE (Pa)	20	30	40	50	60	70
FLOW (l/s) PATTERN B	85	105	122	137	150	162
FLOW (l/s) PATTERN C	76	94	109	122	134	145
THROW (m) PATTERN B	3,1	3,6	3,8	4,1	4,3	4,5
THROW (m) PATTERN C	4,4	5,1	5,5	5,8	6,1	6,3
NOISE - NC LEVEL	31	35	38	40	42	44

VLN1 1500 2 Slot - 300mm Spigot						
	FULLY OPEN					
NECK TOTAL PRESSURE (Pa)	20	30	40	50	60	70
FLOW (l/s) PATTERN B	123	153	177	198	218	235
FLOW (l/s) PATTERN C	93	116	134	150	165	178
THROW (m) PATTERN B	3,4	4	4,2	4,5	4,7	5
THROW (m) PATTERN C	4,8	5,6	6,1	6,4	6,7	6,9
NOISE - NC LEVEL	32	36	39	41	43	45



**THROW PATTERN B**



**THROW PATTERN C**

Throw data is taken 25mm below the ceiling on a line through the centre of the diffuser with the damper fully open & an air velocity at 0.25m/s.

Noise Criteria levels apply to a single diffuser mounted in a room having a Sound Absorption of 10dB in octave bands having centre frequencies from 125Hz to 8000Hz (i.e. the difference between Sound Pressure Level (dB re:2 x 10<sup>-5</sup> Pa) and Sound Power Level (dBW re: 10<sup>-12</sup> watts) is equal to 10dB). These levels represent only the noise generated by the diffuser and do not take into account any duct-borne noise.

Diffusers are factory set for a minimum of 30% of the maximum flow levels reflected above. It should be noted that minimum diffuser air flow settings are approximate & may depend on site system pressures.

Performance Data applies to Standard Air having a density of 1.2 kg/m<sup>3</sup>.