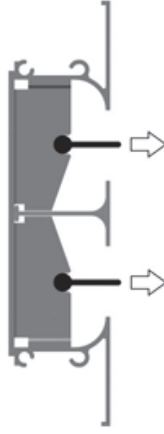


	FULLY OPEN				
	20	30	40	50	70
NECK TOTAL PRESSURE (Pa)	43	52	61	68	81
FLOW (l/s) PATTERN B	33	40	47	52	62
THROW (m) PATTERN B	2.2	2.6	2.7	2.9	3.2
THROW (m) PATTERN C	3.1	3.6	3.9	4.1	4.4
NOISE - NC LEVEL	29	32	35	37	40

	FULLY OPEN				
	20	30	40	50	70
NECK TOTAL PRESSURE (Pa)	67	84	97	108	128
FLOW (l/s) PATTERN B	56	70	81	90	107
THROW (m) PATTERN B	2.7	3.1	3.3	3.5	3.9
THROW (m) PATTERN C	3.8	4.4	4.7	5	5.4
NOISE - NC LEVEL	30	34	37	39	43

VLN1 1200 2 Slot - 250mm Spigot					
	FULLY OPEN				
	20	30	40	50	70
NECK TOTAL PRESSURE (Pa)	85	105	122	137	162
FLOW (l/s) PATTERN B	76	94	109	122	145
THROW (m) PATTERN B	3.1	3.6	3.8	4.1	4.5
THROW (m) PATTERN C	4.4	5.1	5.5	5.8	6.3
NOISE - NC LEVEL	31	35	38	40	44

VLN1 1500 2 Slot - 300mm Spigot					
	FULLY OPEN				
	20	30	40	50	70
NECK TOTAL PRESSURE (Pa)	123	153	177	198	235
FLOW (l/s) PATTERN B	93	116	134	150	178
THROW (m) PATTERN B	3.4	4	4.2	4.5	5
THROW (m) PATTERN C	4.8	5.6	6.1	6.4	6.9
NOISE - NC LEVEL	32	36	39	41	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>.