Acoustic data

Standard: BS EN 13141-6:2014

Product **Purge - Inline extract configuration**

		Sound Power Levels dB re. 1pW Frequency Hz								Overall L_W	Overall L_{WA}	Casing Breakout dBA @ 3m
Speed		63	125	250	500	1k	2k	4k	8k			
1 (14% - 18l/s)	Inlet	8	10	15	18	16	15	19	23	35	26	12
	Breakout	7	10	15	19	26	22	20	23	35	29	
2 (28.3% - 39l/s)	Inlet	7	25	30	35	34	29	20	23	45	37	15
	Breakout	11	20	26	29	29	24	20	23	42	33	
3 (42.7% - 58l/s)	Inlet	14	28	43	43	44	40	27	24	54	47	23
	Breakout	14	25	38	38	36	32	25	23	49	40	
4 (57% - 76l/s)	Inlet	20	32	51	48	50	48	36	27	61	54	29
	Breakout	19	29	42	44	42	39	34	26	54	46	
5 (71.3% - 95l/s)	Inlet	27	36	55	55	55	54	44	35	66	59	35
	Breakout	24	34	46	50	48	45	40	32	59	52	
6 (85.7% - 110l/s)	Inlet	28	39	53	60	60	57	48	39	68	64	38
	Breakout	35	37	47	53	52	48	44	36	64	56	
7 (100% - 110l/s)	Inlet	28	39	54	60	60	57	48	39	67	63	38
	Breakout	35	37	47	53	51	48	43	36	64	55	

The Purge Unit was installed in a ducted set up as defined in BS13141-6, as described below:-
150mm diameter plastic ductwork
The inlet was connected with:
1.5m duct
90º bend
0.5m duct
Air Teminal Device

The outlet was connected with:
2m duct
90º bend
0.5m duct
Grille