

16.12.09 Engros Click Vent - 4263 0942 with SF canopy mounted to a timber section.

TD2231b

Tested to the requirements of BS EN 13141-1.

Slots: 340mm x 23mm as per customer request

Note: Flow from canopy to vent.

Flow from vent to canopy

RAW DATA					RAW DATA				
Pa	DP (Pa)	Q (m <sup>3</sup> /hr)	K	n	Pa	DP (Pa)	Q (m <sup>3</sup> /hr)	K	n
1	1.01	8.63	8.6353	0.5161	1	1.01	8.89	8.9018	0.5070
2	2.03	12.53			2	2.01	12.78		
4	4.08	17.89	Deg C	mB	4	4.00	18.00	Deg C	mB
8	8.08	25.33	20.0	1013.0	8	8.18	25.71	19.6	1009.0
10	10.03	28.36	RH		10	10.06	28.81	RH	
15	15.09	34.97	28		15	15.20	35.49	33	
20	20.06	40.62			20	20.36	40.82		
<b>AFR 1 RIG SUCKING</b>					<b>AFR1 RIG SUCKING</b>				
Leakage in closed position					Leakage in closed position				
50	50.20	0.08	<b>CANOPY to VENT</b>		50	50.23	0.11	<b>VENT to CANOPY</b>	
100	100.43	0.17			100	100.07	0.20		

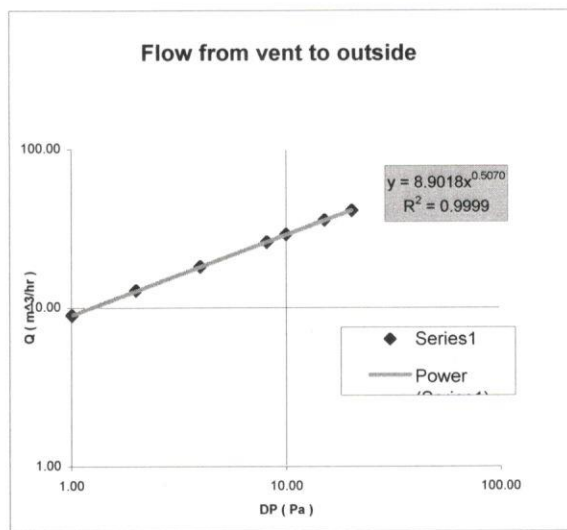
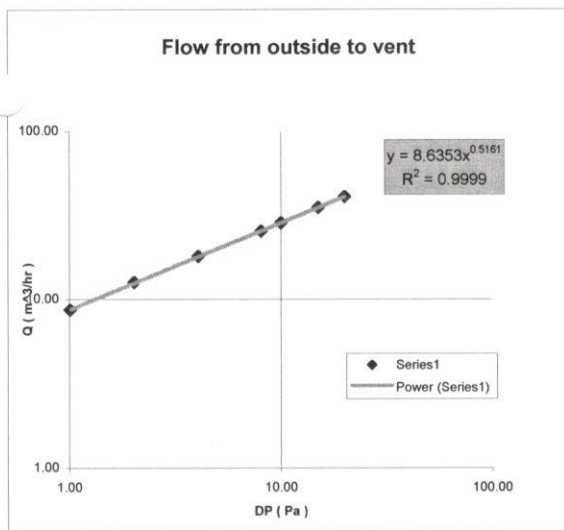
Test equipment leakage 0.07 & 0.16 m<sup>3</sup>/hr @ 50.59 & 100.35 Pa respectively.

Calculated Results

Pa	Flow m <sup>3</sup> /hr	Flow l/s	Eqv. area mm <sup>2</sup>
1	8.64	2.40	3052
2	12.35	3.43	3087
4	17.66	4.91	3121
8	25.26	7.02	3156
10	28.34	7.87	3168
15	34.93	9.70	3188
20	40.53	11.26	3203

Calculated Results

Pa	Flow m <sup>3</sup> /hr	Flow l/s	Eqv. area mm <sup>2</sup>
1	8.90	2.47	3147
2	12.65	3.51	3162
4	17.98	4.99	3177
8	25.55	7.10	3193
10	28.61	7.95	3198
15	35.14	9.76	3207
20	40.65	11.29	3213



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as per...