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BRE Test Report

Trickle Ventilator tests according to EN13141-1 2019

Prepared for: Andrew Harrison
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Table 9 **– Product D**

Flow rate/pressure characteristics for both flow directions and corresponding calculates EqA.

Pressure difference Δp (Pa)	qv ($l.s^{-1}$) Inside to outside	CEN calculated equivalent area mm^2	Pressure difference Δp (Pa)	qv ($l.s^{-1}$) outside to inside	CEN calculated equivalent area mm^2
1	1.3	1617	1	1.2	1540
2	1.8	1630	2	1.7	1538
4	2.6	1643	4	2.4	1536
8	3.7	1656	8	3.4	1534
10	4.1	1661	10	3.8	1534
20	5.9	1675	20	5.4	1532

- The calculated mean equivalent area at 1 Pa is 1578.3 mm^2.
- **The calculated minimum equivalent area at 1 Pa is 1539.9 mm^2.**

Table 10 **– Product D airtightness when closed**

Test Number	Differential Pressure (Pa)	Flow rate (l/s)
1	40.4	0.23

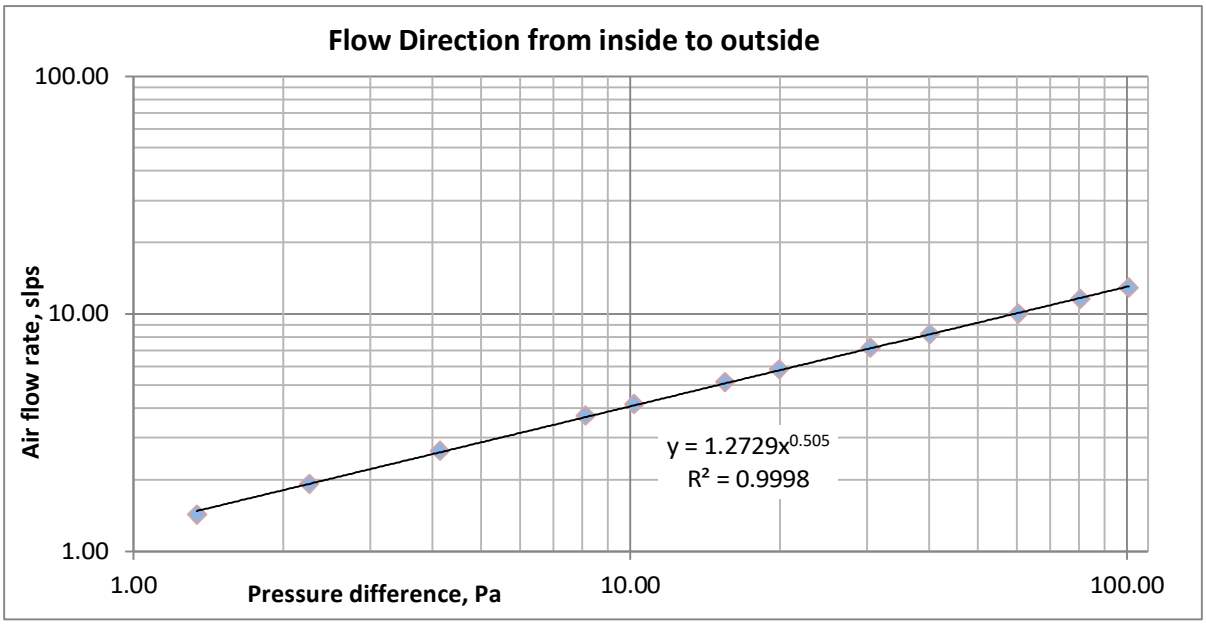

Figure 10 Measured air flow and pressure data for air flow from inside to outside

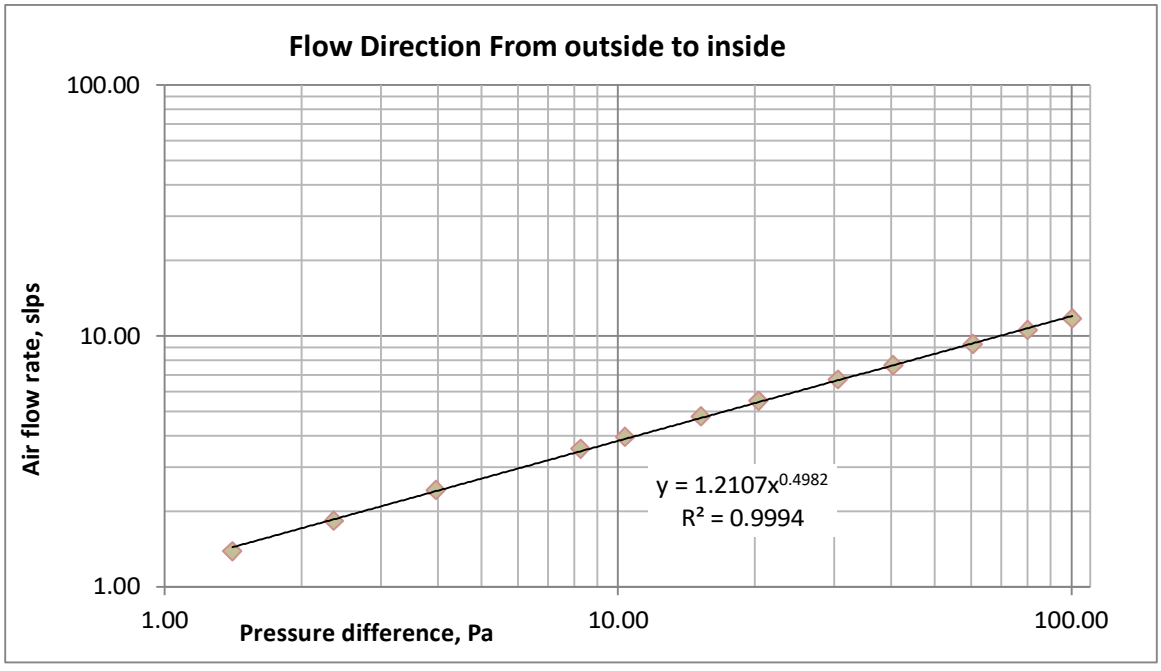

Figure 11 Measured air flow and pressure data for air flow from outside to inside