

# BRE Test Report

## Trickle Ventilator tests according to EN13141-1 2019

Prepared for: Andrew Harrison

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Table 11 – Product E

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

Pressure difference $\Delta p$ (Pa)	qv (l.s <sup>-1</sup> ) Inside to outside	CEN calculated equivalent area mm <sup>2</sup>	Pressure difference $\Delta p$ (Pa)	qv (l.s <sup>-1</sup> ) outside to inside	CEN calculated equivalent area mm <sup>2</sup>
1	2.0	2492	1	1.8	2337
2	2.8	2504	2	2.6	2331
4	4.0	2515	4	3.7	2325
8	5.6	2527	8	5.2	2318
10	6.3	2530	10	5.8	2316
20	8.9	2543	20	8.1	2310

- The calculated mean equivalent area at 1 Pa is 2414.6 mm<sup>2</sup>.
- **The calculated minimum equivalent area at 1 Pa is 2337.1 mm<sup>2</sup>.**

Table 12 – Product E airtightness when closed

Test Number	Differential Pressure (Pa)	Flow rate (l/s)
1	39.9	1.19

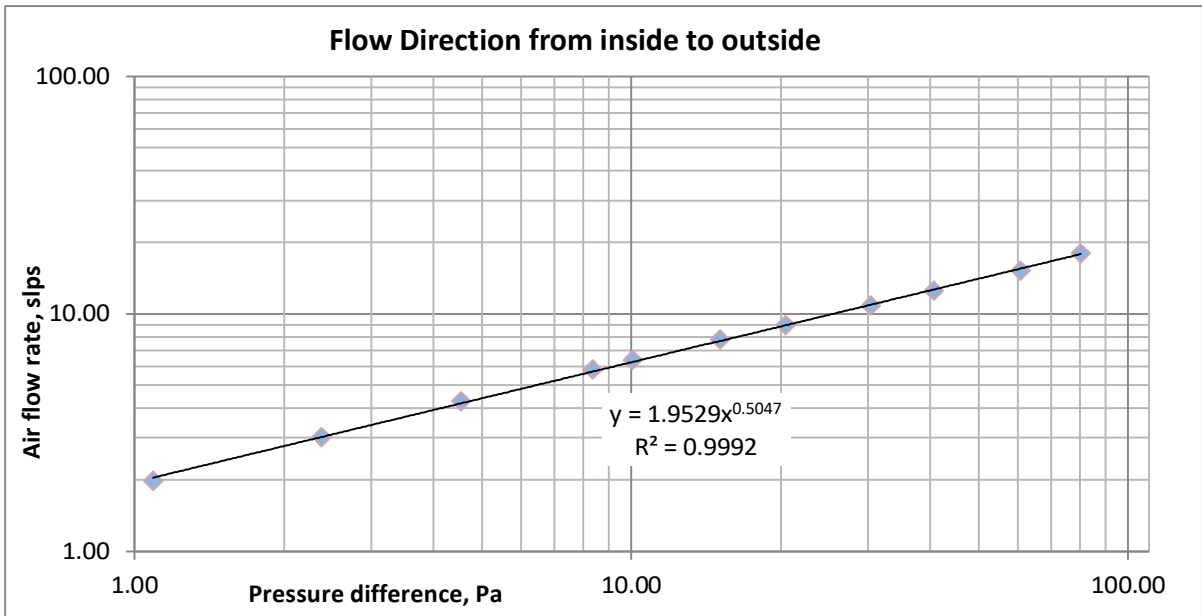


Figure 12 Measured air flow and pressure data for air flow from inside to outside

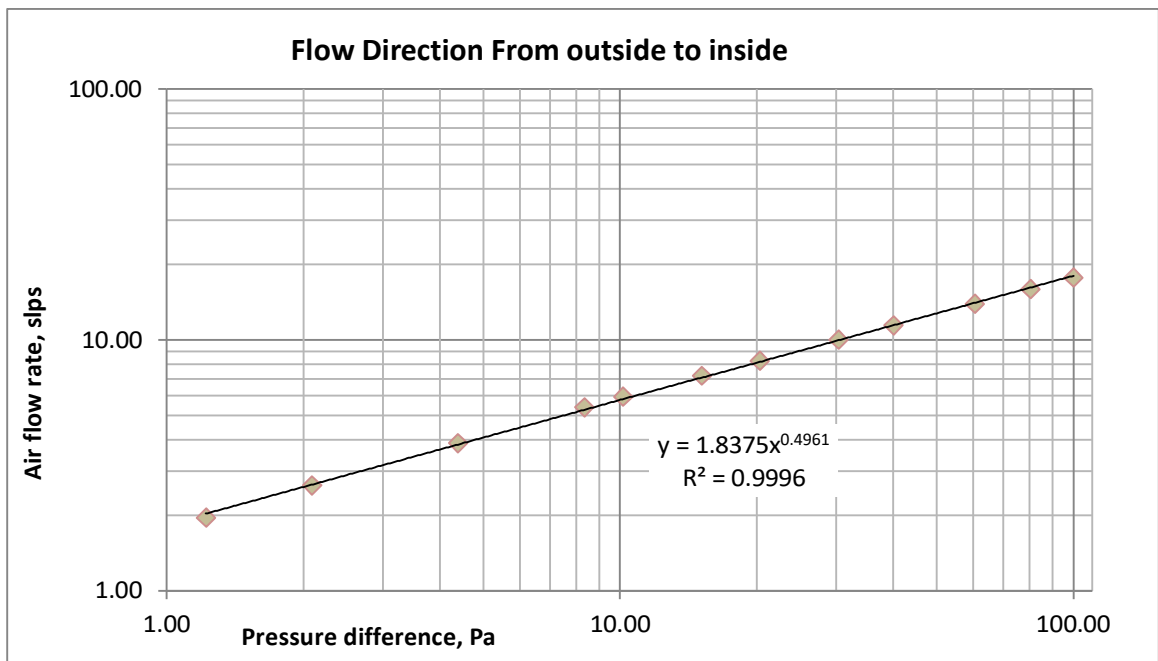


Figure 13 Measured air flow and pressure data for air flow from outside to inside