

# Balance-E Installation instruction



## Cleaning

The diffuser can be cleaned with lukewarm water and a mild detergent.

The exhaust valve is loosened by pulling it straight out from the mounting frame.

## Mounting

The valve is mounted by pushing it into the frame RFP. The valve is held in place by friction springs in the back

K-factor Size	Air gap (a) mm					
	-7,5	-5	0	5	10	15
Balance-E 100	0,83	1,09	1,46	2	2,28	2,69
Balance-E 125	0,85	1,11	1,63	2,15	2,41	3,45
Balance-E 160	2,02	2,63	3,93	4,53	6,08	7,56
Balance-E 200	4,43	5,74	7,3	8,44	10,18	11,5

## Example

### Formula given

$$q = k \cdot \sqrt{P_i}$$

Where  
 q = airflow (l/s)  
 k = K-factor  
 P<sub>i</sub> = adjustment pressure drop (Pa)

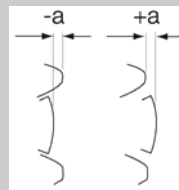
### Using the formula to calculate airflow

Size Balance-E 100  
 47 Pa  
 Air gap (a) 0 mm  
 K-factor 1,46

Entered in the equation:  
 $q = 1,46 \cdot \sqrt{47} = 10 \text{ l/s}$

### Adjustment

Adjust the centre cone until the air gap (a) reaches 0mm. If the pressure meter shows 46,9 Pa the airflow is 10 l/s.



Note! Tighten the screw in the back of the valve to fix the setting.