

Balance-S

Installation instruction



Cleaning

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

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

Mounting

Balance-S is mounted by pushing it into the frame RFP. The diffuser is held in place by friction springs in the back

K-factor Size	Air gap (a) mm					
	2,5	4	5	7,5	10	20
Balance-E 100	1,08	1,67	2,16	3,10	4,05	5,17
Balance-E 125	1,15	1,96	2,92	3,73	4,79	7,59
Balance-E 160	1,86	2,75	3,43	4,81	6,62	10,32

Example

Formula given

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

Where

q = airflow (l/s)

k = K-factor

P_i = adjustment pressure drop (Pa)

Using the formula to calculate airflow

Size	Balance-E 100
	25 Pa
Air gap (a)	10 mm
K-factor	4,05

Entered in the equation:

$$q = 4,05 \cdot \sqrt{25} = 20 \text{ l/s}$$

Adjustment

Turn the front plate until the air gap (a) reaches 10mm. If the pressure meter shows 24,4 Pa the airflow is 20 l/s.



The adjustment pressure can be measured by inserting the probe in the centre hole situated behind the plastic cover plug in the middle of the front plate.

Systemair AB, Industrivägen 3, 739 30 Skinnkatteberg, Sweden
Tel +46 222 440 00 Fax +44 222 440 99 mailbox@systemair.se

Get In Touch



Call: 0845 6880112



Email: info@adremit.co.uk

Our Address

Puravent, Adremit Limited, Unit 5a, Commercial Yard,
Settle, North Yorkshire, BD24 9RH