

WISE Damper a

Instructions for use – Retrofitting the WISE SMA Multi

20241008

The WISE SMA Multi must **always** be mounted before the damper and measuring tube so that it is placed first in the airflow. It is important to position the WISE SMA Multi so that it does not collide with the measuring tubes inside the damper casing.

Mounting of the WISE SMA Multi on the shelf

1. Screw the WISE SMA Multi to the shelf with the self-tapping screw. Note which way the shelf should be oriented (see the circled feet in Figures 1-3).
2. Bend the legs and feet of the shelf according to the size/product on which the shelf will be placed.

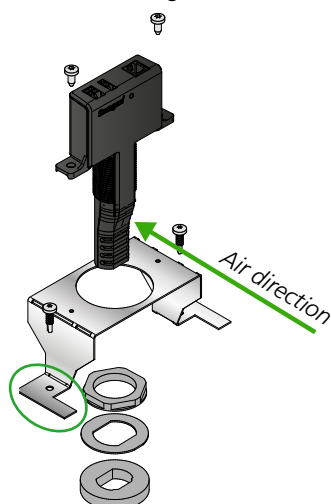


Figure 1. Placement of WISE SMA Multi on the shelf for sizes 100 and 160-315.

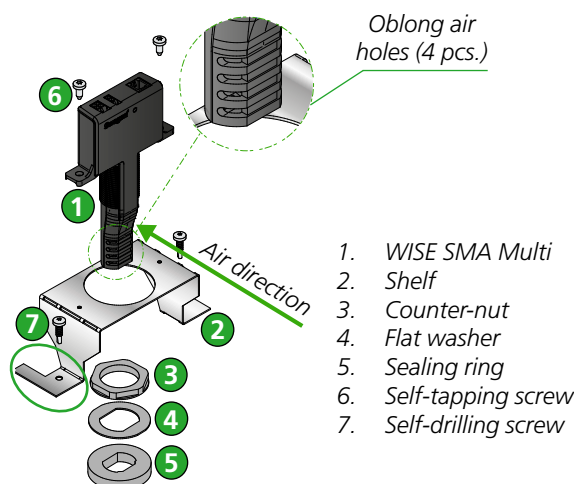


Figure 2. Placement of WISE SMA Multi on the shelf for size 125.

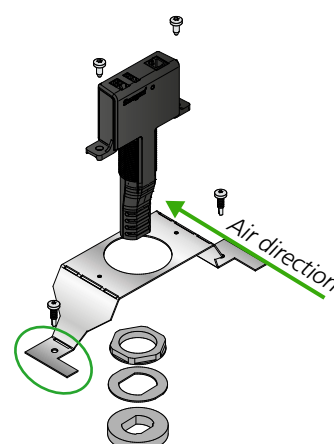


Figure 3. Legs and feet on the shelf bent according to size ø400-630 and rectangular dampers.

Mounting on a rectangular design

1. Drill a ø25 mm hole in the sheet metal part in the green area (see Figures 5-6).
 - Check that the shelf fits where the hole is to be drilled and that the WISE SMA Multi ends up in front of the measuring tubes.
 - Remember that the cable should reach between the WISE SMA Multi and the WISE CU.
2. Screw the WISE SMA Multi to the shelf and bend the legs and feet of the shelf so that the sealing ring of the WISE SMA Multi is against the sheet metal (see Figure 3).
 - Consider the position of the WISE SMA Multi. The oblong air holes should be facing against the direction of the air (see Figures 1-3).
3. Fit the WISE SMA Multi into the hole on the sheet metal. Screw the shelf in place with self-drilling screws. Don't forget to seal unused holes.
4. Connect the cable in WISE CU and WISE SMA Multi (see Figure 4).

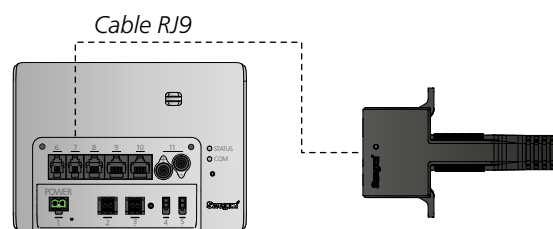


Figure 4. The WISE SMA Multi connects to port 7.

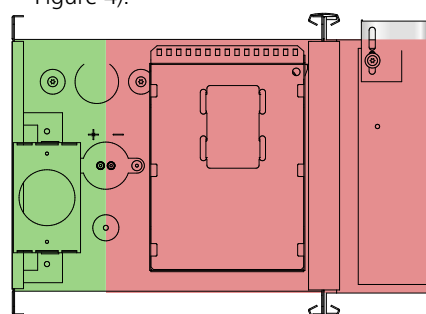


Figure 5. Damper seen from above.

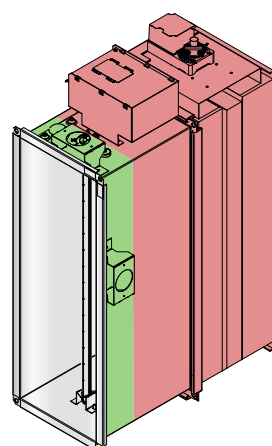


Figure 6. The shelf can be placed on the long side or the short side.

Mounting on a circular design

1. Fold page 3, with the drill template, along the perforated lines and use the drill template on the sides to make a mark on the tubular damper casing at the correct point based on the size of the product, see Figures 7-8.
- Alternatively, use the dimensions table below to mark out the location of the WISE SMA Multi.

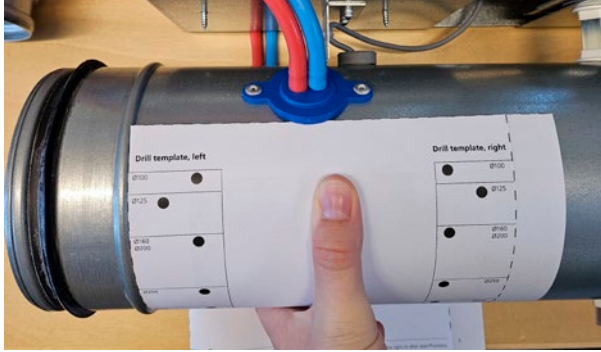


Figure 7. Use of template, left.



Figure 8. Use of template, right.

Dimensions

Size Ø	100	125	160	200	250	315	400	500	630
Dimensions X (mm)	40	50	72,5	72,5	100	124	124	124	124
Dimensions Y (mm)	27	12,5	27	27	27	27	27	27	27

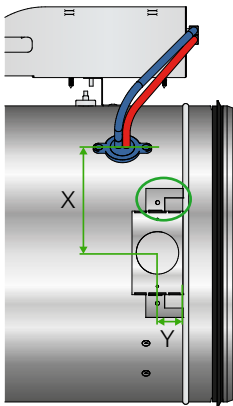


Figure 9. Dimensions and shelf placement for sizes 100 and 160-630.

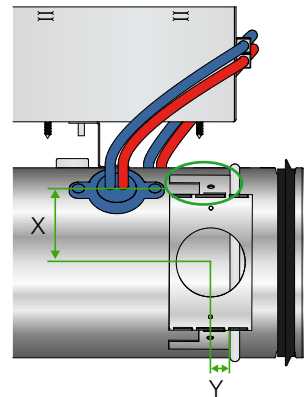
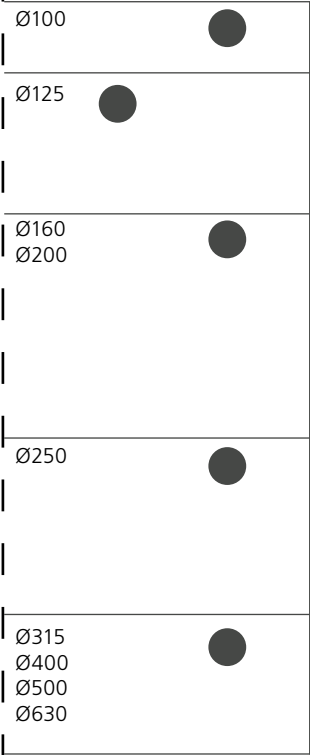


Figure 10. Dimensions and shelf placement for size 125.

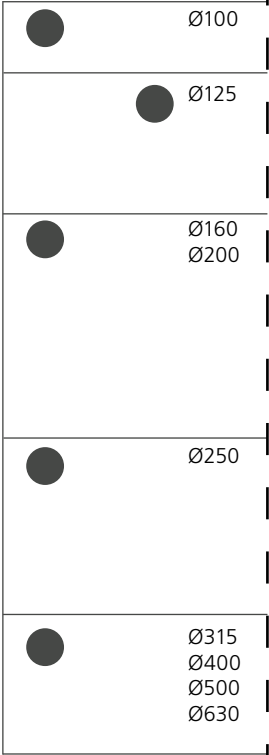
2. Drill a $\varnothing 25$ mm hole for WISE SMA Multi in the tubular damper casing, following the marking made in step 1. Avoid drilling into the joint of the tubular damper casing.
3. Bend the feet and legs on the shelf so that they lie flush with the damper casing (see Figure 3 as an example). Keep in mind that the sealing ring on the WISE SMA Multi should lie against the sheet steel.
4. Place the WISE SMA Multi into the hole drilled on the damper casing. Note that the oblong air holes should be facing against the direction of the air (see Figures 1-3).
5. Screw the shelf onto the damper casing with the self-tapping screw. Don't forget to seal unused holes.
6. Connect the cable in WISE CU and WISE SMA Multi (see Figure 4).

Fold here

Drill template, left



Drill template, right



Fold here

Fold here