

AGR/AGRY

Sound attenuator

Round, flexible

Use

The AGRXB and AGRYB round, flexible sound attenuators are suitable for absorbing air noise in duct systems and can be used in combination with manual valves or as a sound attenuator after VAV units.

As it consists of a 2-layer aluminium flexible duct, the attenuator can be used in a bent shape.

The minimum bending radius is approx. 2x the external diameter.

Between the perforated inner sleeve and the sound-absorbing glass wool, there is a jacket that prevents mineral wool particles from ending up in the air flow.

Characteristics

Sound attenuation: in accordance with SA-Select

Max. air velocity: 15 m/s

Version

outer duct: 2-layer aluminium
 inner duct: perforated aluminium
 absorption material: glass wool 25 or 50 mm
 post-treatment: none

Available types

A G R - B O

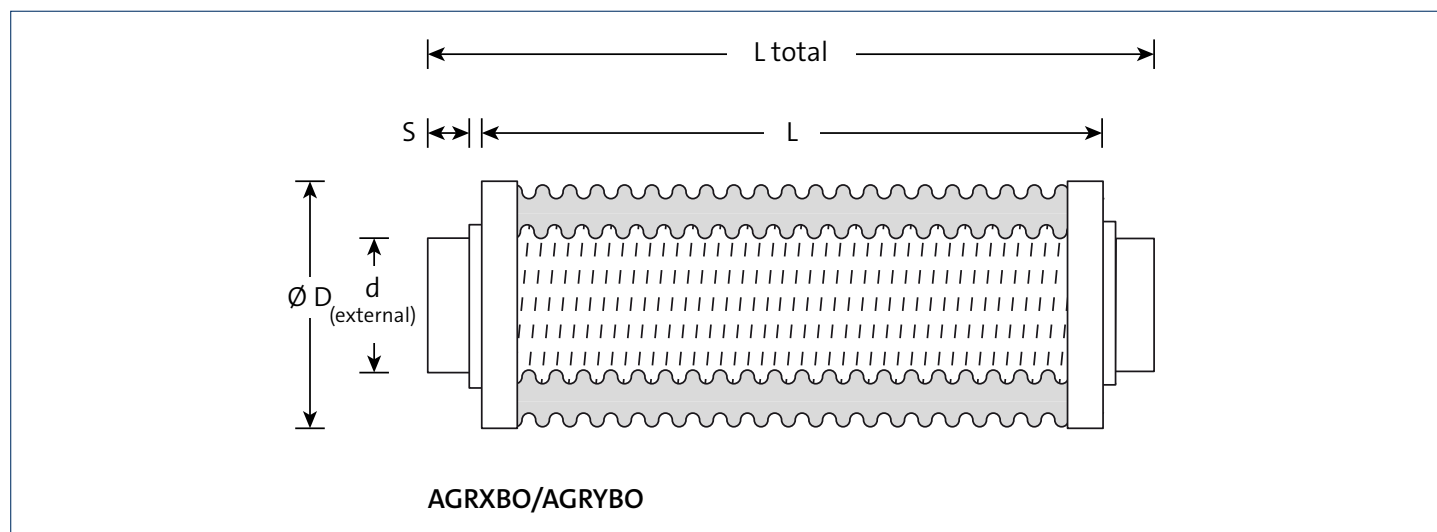
A accessory
G sound attenuator
R round

- Version

X insulation thickness 25 mm
Y insulation thickness 50 mm

B flexible
O not applicable

Dimensions



Available dimensions

model	d _{ext}	S	D		weight in kg		L total
			AGRXB	AGRYB	AGRXB	AGRYB	
80	78	40	130	180	0.8	1.3	L + 120
100	98	40	150	200	1.0	1.5	L + 120
125	123	40	180	224	1.2	1.7	L + 120
140	138	40	200	250	1.3	1.8	L + 120
150	148	40	200	250	1.4	1.9	L + 120
160	158	40	200	250	1.5	2.0	L + 120
180	178	40	224	280	1.7	2.2	L + 120
200	198	40	250	300	1.9	2.5	L + 120
225	223	40	280	315	2.1	2.8	L + 120
250	248	60	300	355	2.3	3.1	L + 160
280	278	60	355	400	2.6	3.2	L + 160
300	298	60	355	400	3.0	3.4	L + 160
315	313	60	355	400	3.3	3.6	L + 160
355	353	60	400	450	4.6	4.8	L + 160
400	398	60	450	500	5.3	6.0	L + 160

Larger lengths are available on request.

Note

- All sizes in mm.
- The given length is the length of the attenuating part.
- Standard lengths 500 - 1000 mm.
- Type AGRYB is also available in 2000 and 3000 mm.
- S = sleeve length in round duct.

SA-Select

Check [SA-select](#) to create extended order codes and selection details online. **NB!** At this moment, SA-Select is only available in Dutch. But it is possible to create extended order codes and selection details online.

When you select sound attenuators online, remember the following:

- In sound attenuators, the air supply velocity must be divided evenly over the duct surface. The pressure losses and sound power levels for flow noise apply under this condition. In sound attenuators after bends, branches, fans, the air should be supplied via the conduction blades as much as possible in order to prevent the anticipated differences in air velocity.
- The maximum permitted velocity between the baffles amounts to 15 m/s. Due to the corresponding relatively high pressure loss and flow noise, the air velocities that can be used in practice are generally lower.
- The flow noise of the sound attenuator should be 10 dB less than the sound power of the attenuator less the insertion loss.