

The innovative SVE elements have low cost solutions for:

- Air flow volume adjustment and optimised distribution in ducting system of centralised ventilation units.
- Sound level reduction through absorption of air flow and fan noises.

In order to increase the sound level reduction, several elements can be mounted in series, one after the other. Two elements virtually doubling the insertion loss.

■ Performance figures and insulation standards

The diagrams give an overview about air flow volumes and pressure levels according to the number of holes. The red lines and dB(A) values show the noise levels of elements (L_{WA}). The sound power levels for the related frequency (noise level of SVE elements) are available as sum levels in the installation manuals and operating instructions. The values on the table give the insulation standard D_E for the corresponding frequency.

■ Material

- Fire retardant foam material with protection against mould.
- Meets the requirements of the emission category M1.
- No harmful toxic fumes in event of fire.
- Complies with fire class B.

■ Advantages

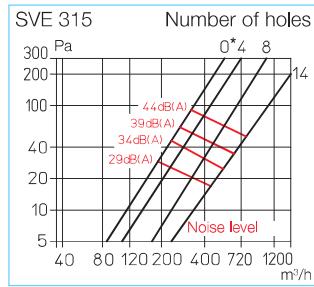
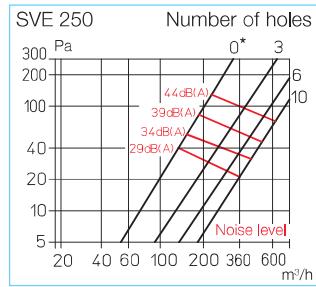
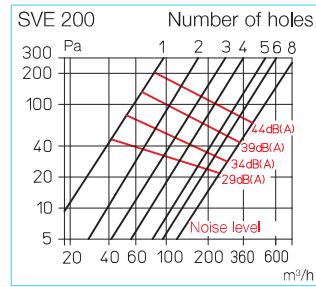
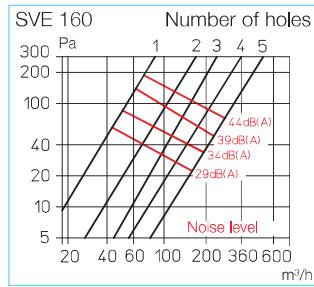
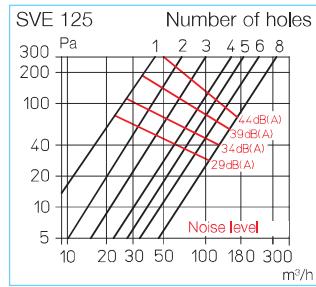
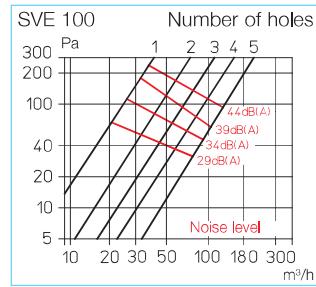
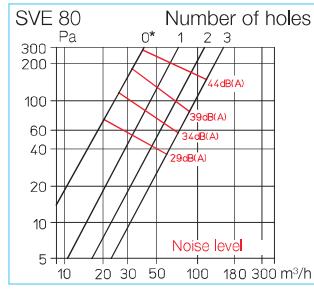
- Cost effective solution for prevention of noise transfer in ventilation ducting systems.
- Simple installation through insertion into the ducting.
- Simple adjustment thanks to pre-punched holes.
- Minimises the system costs by using low cost ducting.
- Can be used with all types of dampers, grilles and valves.
- Can be easily cleaned with a vacuum cleaner.

■ Delivery

Each element is delivered in a separate poly-bag.

■ Installation

SVE to be inserted into the ducting and a valve grille or exhaust element can be used as wall termination. By removing the elliptical plugs, the air flow can be adjusted to the desired volume in accordance with the diagrams above.

SVE

Type	Ref. no.	for DN (mm)	Thick. in mm	Weight in g	Holes	Insulation standard D_E dB bei Hz						
						125	250	500	1000	2000	4000	8000
SVE 80	8309	80	50	32	0*	9.0	5.0	11.5	14.5	18.0	20.0	24.0
					1	4.5	3.5	7.5	11.5	10.5	17.5	21.0
					3	4.5	2.5	5.0	8.0	9.5	13.0	15.5
SVE 100	8310	100	50	60	1	7.0	4.0	9.5	12.5	16.0	17.5	22.0
					3	3.5	2.5	5.5	8.5	8.5	14.5	19.0
					5	2.5	1.5	3.5	6.0	6.5	12.0	16.5
SVE 125	8311	125	50	70	2	6.0	5.0	5.0	12.0	12.5	19.0	21.0
					5	2.0	2.5	3.0	8.5	8.0	13.5	19.0
					8	1.5	1.5	2.5	6.0	5.0	11.0	17.5
SVE 160	8312	160	50	140	1	7.0	4.0	9.5	12.5	16.0	17.5	22.0
					3	3.5	2.5	5.5	8.5	8.5	14.5	19.5
					5	2.5	1.5	3.5	6.0	6.0	12.0	16.5
SVE 200	8313	200	50	190	2	6.5	2.5	5.5	13.0	14.0	18.0	15.5
					5	3.0	1.5	2.5	9.5	8.5	14.0	14.5
					8	2.0	1.0	1.5	7.0	7.0	13.0	13.5
SVE 250	8314	250	75	480	0*	4.0	3.0	7.0	13.0	18.0	18.0	17.0
					5	2.0	2.0	5.0	9.0	13.0	15.0	15.0
					10	2.0	1.0	3.0	7.0	11.0	14.0	13.0
SVE 315	8315	315	75	690	0*	5.0	3.0	6.0	12.0	15.0	16.0	18.0
					8	3.0	2.0	3.0	8.0	12.0	13.0	15.0
					14	1.0	1.0	2.0	7.0	8.0	10.0	13.0

* Minimum air flow volume ensured by lateral recesses