

Silencers

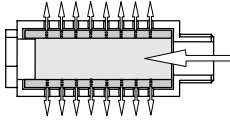
Ever since the company was founded, **COVAL** has done its utmost to reduce the noise levels of venturis and to improve their performances.

Often copied but never equalled, the acoustic performances of COVAL venturis are based on the shape of their internal structure and the innovative design of the silencers used, with high-tech soundproofing materials.

Two designs depending of the type of application : vacuum or pneumatic network (optimal noise attenuation).

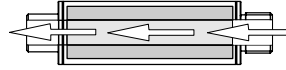
Diffuser type silencers:

Very good noise attenuation.
Gentle diffusion of the air outlet.



Through type silencers:

Controlled noise attenuation.
No head losses.



Diffuser type silencers, series SIL GV



Principle :

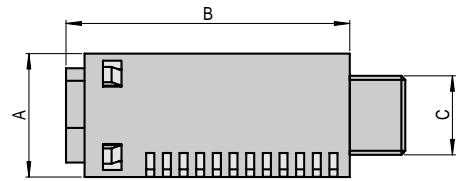
Sound attenuation by breaking of the air blast in a baffle of the diffuser. Passing through a sound insulation material.

Characteristics:

Models	øA mm	B mm	øC Gas	Weight g	Average noise* attenuation dB(A)
SIL GV 10	18	36	1/8	5	30
SIL GV 15	20	46	1/4	10	35
SIL GV 20	30	62	1/2	29	39

Specifications:

Material	POM
Working temperature	-10°C to 50°C



Through type silencers, series SIL K -- C



Principle :

Lateral sound absorption by sound insulation material.
Free outlet, no head loss or blocking.

Characteristics:

Models	øA mm	B mm	øC Gas	Weight g	Average noise* attenuation dB(A)
SIL K 14 C	20	68	1/4	25	31
SIL K 38 C	20	121	3/8	90	33
SIL K 12 C	30	121	1/2	92	33
SIL K 12 CS	30	54	1/2	61	28
SIL K 34 C	50	187	3/4	310	33
SIL K 1 C	50	187	1"	320	33

(*)Noise level measured at 1 meter in free field.

Specifications:

Tube material	Anodised aluminium black
Inner material	Sound insulation textile
Working temperature	-10°C to 50°C

