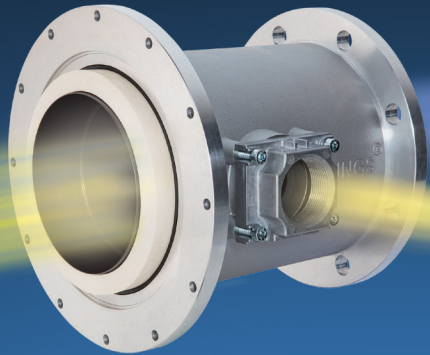




DUNGS Venturi Signal Amplifier VSA

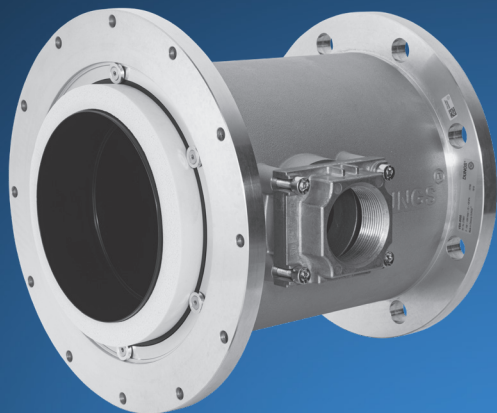
For direct suction side mounting on pre-mix blower.
The blower generates a negative pressure on the suction side during operation, thereby producing an air and gas volumetric flow thanks to the signal amplifier.

Product features

- Flexible mounting position on the blower
- Housing dimensions for 2 000 and 3 000 kW
- Minimum 6:1 modulation range
- Integrated blower seal

Advantages

- Increases maximum capacity; or
- Reduces blower speed; and/or
- Increases the modulation range



VSA – Key Facts & Advantages	1
Technical data	3
Dimensions	4
Type overview	5
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Venturi Signal Amplifier

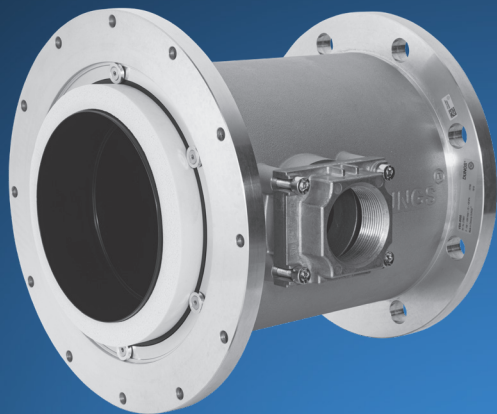
Inlet pressure range -6.0 kPa to +6.0 kPa (-24 "W.C. to +24 "W.C.)

Combustion air temperature -15 °C to +60 °C (-5 °F to +140 °F)

Ambient temperature -15 °C to +60 °C (-5 °F to +140 °F)

VSA material	Housing	Aluminium
	Inserts	POM, conductance 1 x 106 kΩ
	Sealing material	silicone, NBR

Pressure difference at rated capacity*	Air	2 260 Pa (9.07 "W.C.)
	Gas	3 840 Pa (15.42 "W.C.)



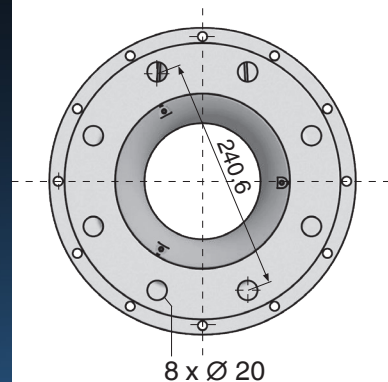
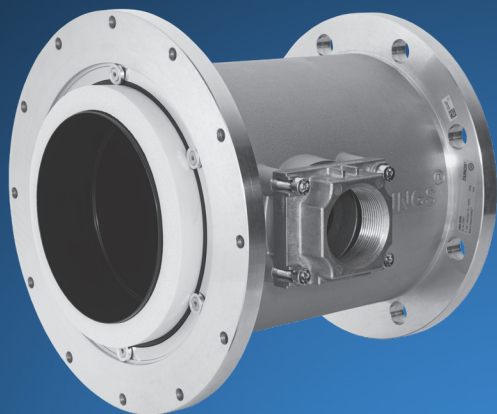
* Rated capacity at +15 °C,
101.325 kPa (59 °F, 406.8 "W.C.),
 $\lambda = 1.3$, 100 % CH₄ (G20)

Dimensions

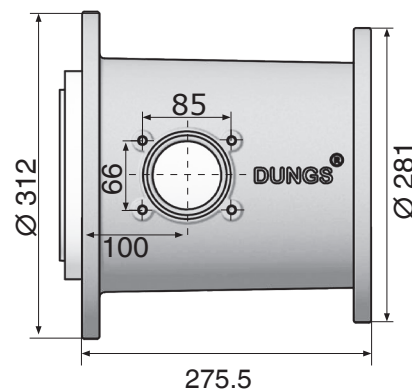
All compatible mounting positions are permissible.

VSA can be mounted directly on blower type:

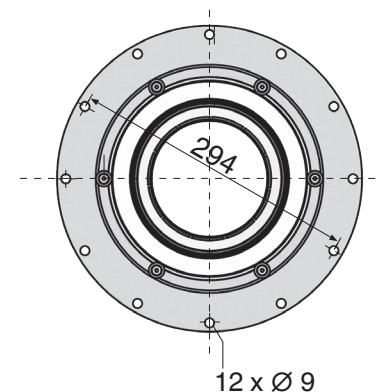
- G3G 315 (EBM Papst)
- GPM 12 (Fasco)



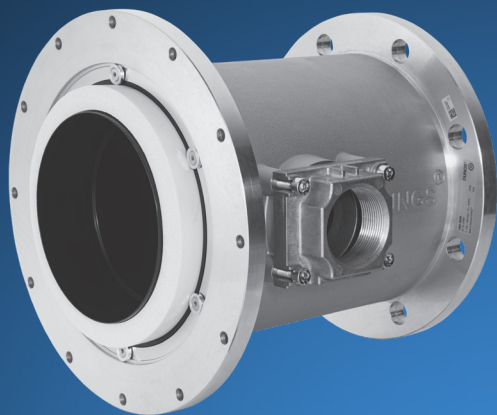
Air suction side



Gas connection



Blower side



Type overview

Order number	Designation	Rated capacity*
278856	VSA-2000	2 000 kW
278857	VSA-3000	3 000 kW

*under standard conditions +15 °C, 101.325 kPa (59 °F, 406.8 "W.C.), $\lambda = 1.3$, 100 % CH₄ (G20)

Type overview

Order number	Designation	Size
221884	Flange	Rp 1½
221926	Flange	Rp 2
222003	Flange	NTP 1½
221997	Flange	NTP 2

Subject to technical modification in the interest of technical progress.

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