

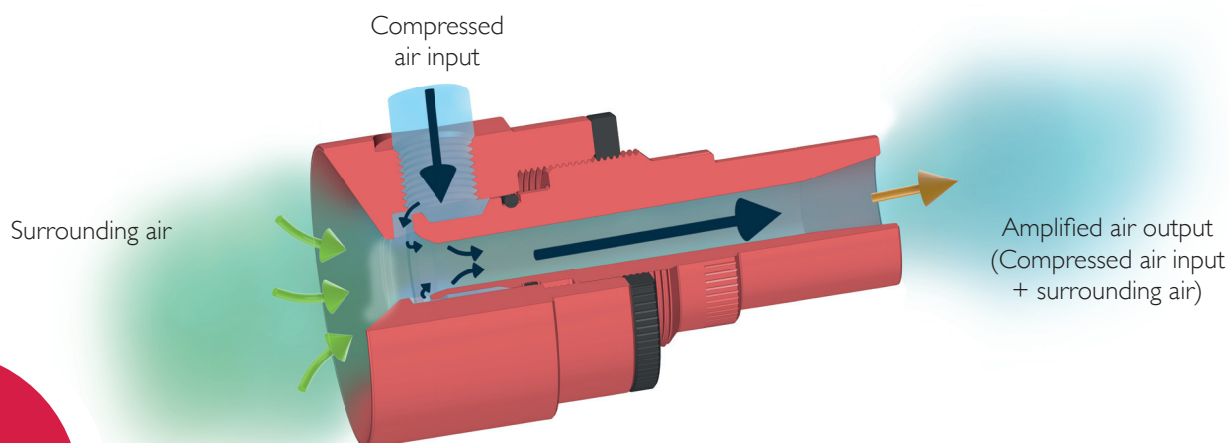
AA 004

TECHNICAL SHEET

AIR AMPLIFIERS



OPERATING PRINCIPAL



RATIO
UP TO
12/1

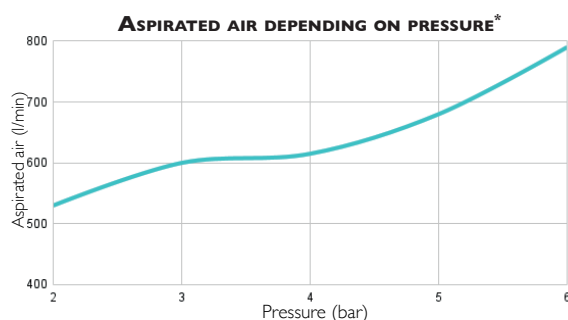
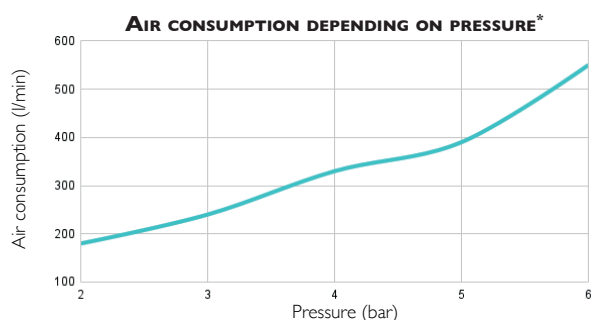
TECHNICAL INFORMATION*

**BENEFITS
OF USING
AA 004
AIR AMPLIFIER***

Pressure (bar)	Air consumption (l/mn)	Noise level (dB)	Aspirated surrounding air (l/min)	Amplified blowing (l/min)
6	550	87,5	790	3600

AA 004 AIR AMPLIFIERS FEATURES*

- **Connection** : Female G1/8" • **Inside Ø** : 9,6mm • **Weight** : Aluminium : 106g / Stainless steel 316 L : 315g
- **Max. operating temperature** : Aluminium : 150°C / Stainless steel 316 L : 450°C • **Max pressure** : 10 bar



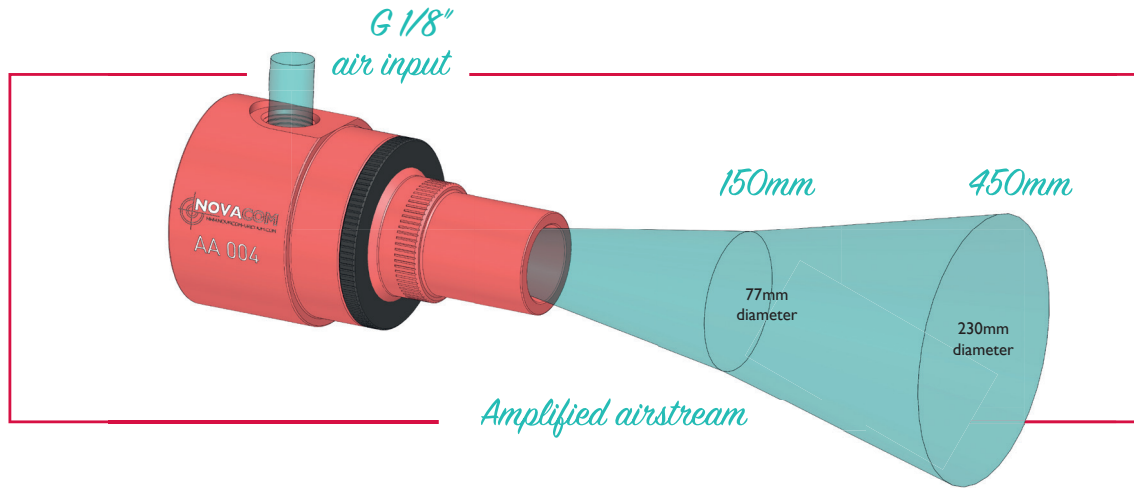
* **NOTE:** The measurements in this data sheet have been obtained in a laboratory under strict control. The varying conditions of a real industrial environment and the instability of pressure from an industrial compressor can create different values than the ones obtained in a laboratory. Those data are provided for information purposes only.

To achieve the best performance from the air amplifiers, we recommend using a compressed air supply tube with a minimum 8 mm inside diameter.

The amplified air value uses the Boyle-Mariotte law. The pressurized air has a less important volume than the expanded air and is translated by the formula: $P1 \times V1 = P2 \times V2$
In our case $V1$ = consumed air + aspirated air

EXAMPLES OF DIFFERENT APPLICATIONS OF THE AIR AMPLIFIER

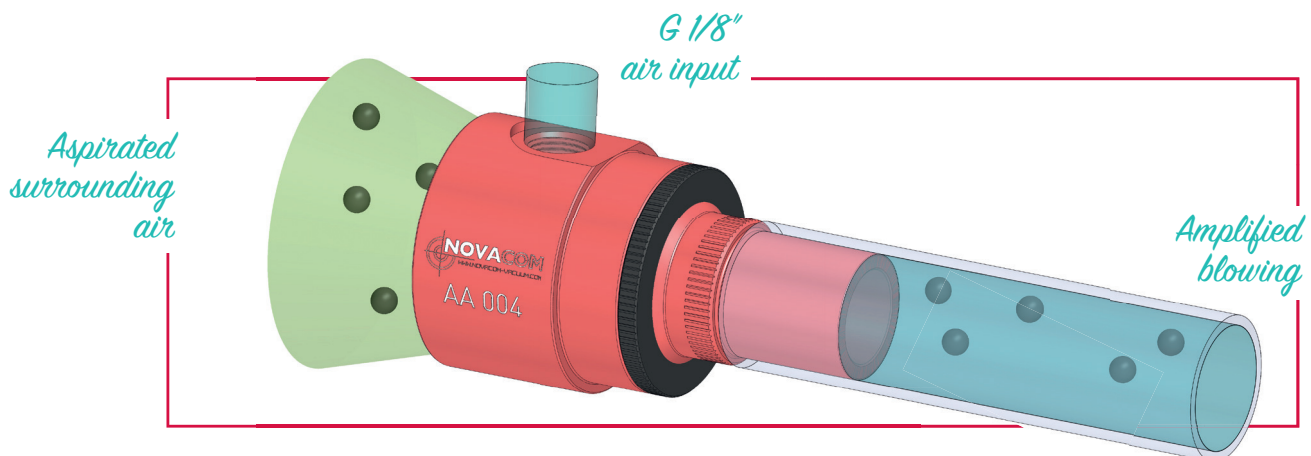
BLOWING



AIR EXTRACTION



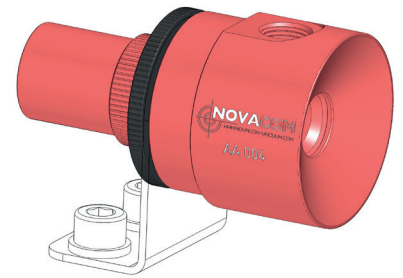
TRANSPORTATION SUCTION



SETTINGS OF AIR AMPLIFIER

STEPS: for a factory setting

- A** Unscrew the locknut **1**
- B** Screw the counter-nozzle **2** inside the air amplifier's body **3** then unscrew the counter-nozzle **2** of approximately an eighth of a turn. Once the required setting is obtained, screw back the locknut **1**



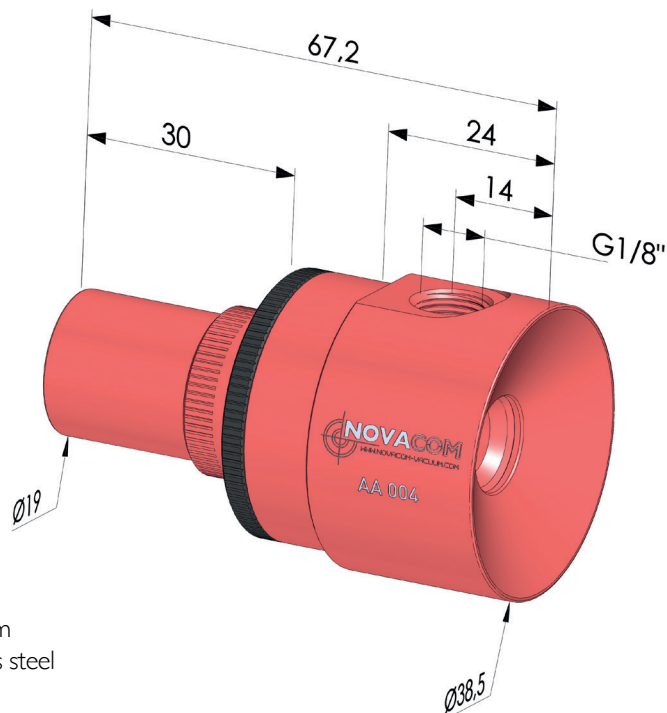
- 1** Locknut AA 004 CONTRE ECROU
- 2** Counter-nozzle AA 004 CON/BUSE
- 3** Body AA 004 CORPS

RECOMMENDATIONS

It is best not to use elbow fittings for the supply of compressed air on this product, as you may encounter power losses.



DIMENSIONS



AA 004 ■ Anodized aluminium

AA 004 ACI ■ 316L Stainless steel

The values are given in millimeters