

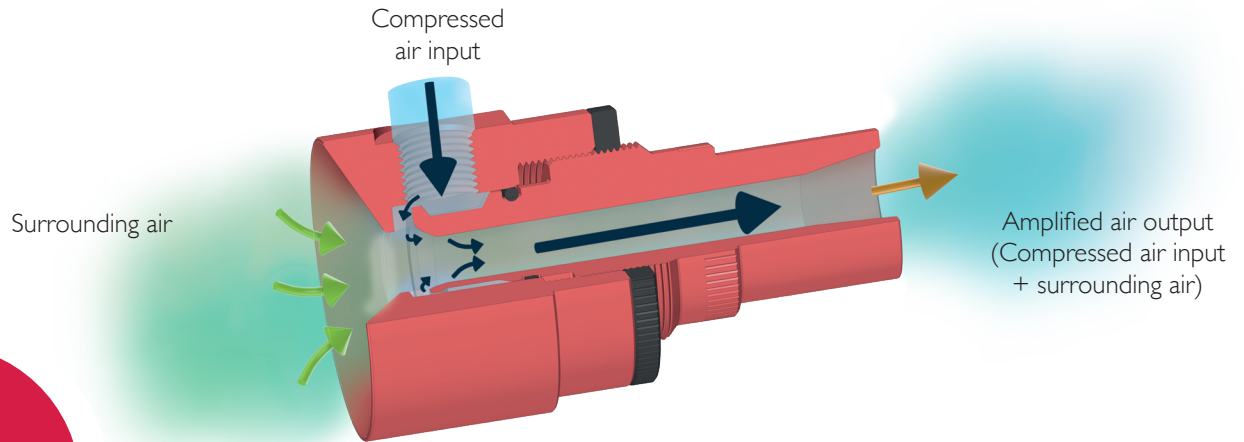
# AA 004

## TECHNICAL SHEET

### AIR AMPLIFIERS



#### OPERATING PRINCIPAL



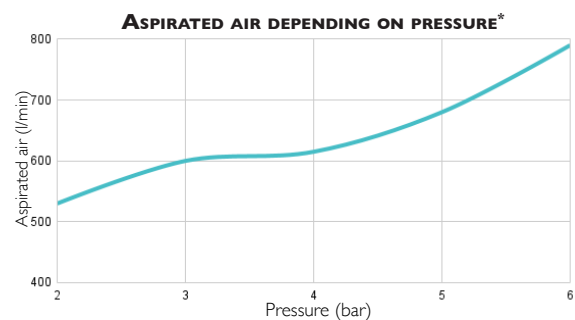
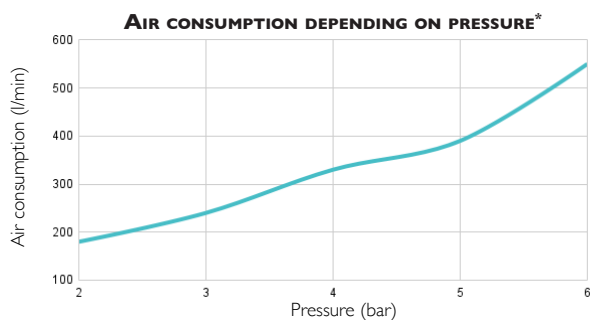
RATIO  
UP TO  
**12/1**

#### TECHNICAL INFORMATION\*

BENEFITS OF USING AA 004 AIR AMPLIFIER*	Pressure (bar)	Air consumption (l/min)	Noise level (dB)	Aspirated surrounding air (l/min)	Amplified blowing (l/min)
		6	550	87,5	790

#### 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.

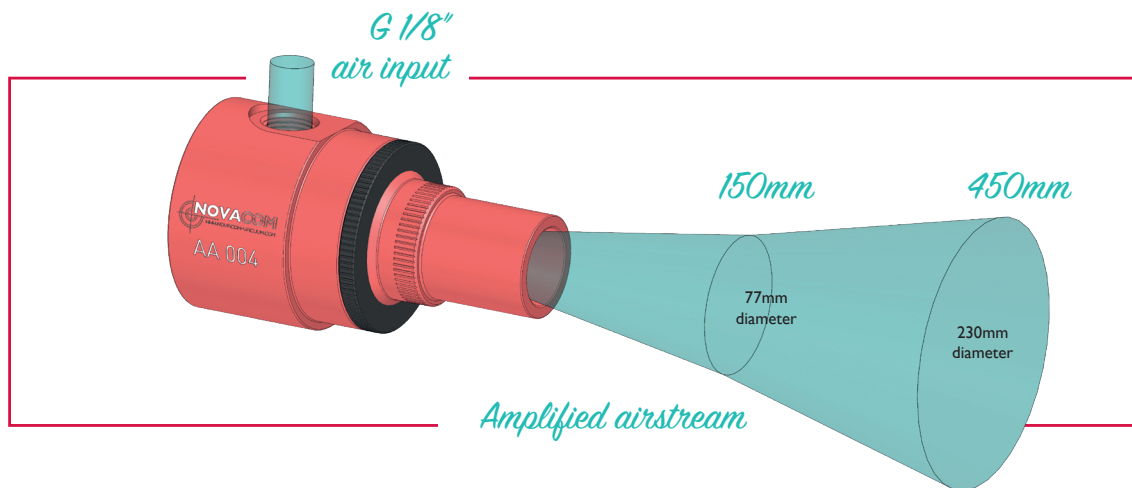
To achieve the best performance from the air amplifiers, we recommend using a compressed air supply tube with a minimum 8 mm inside diameter.

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:  $P_1 \times V_1 = P_2 \times V_2$

In our case  $V_1 = \text{consumed air} + \text{aspirated air}$

# EXAMPLES OF DIFFERENT APPLICATIONS OF THE AIR AMPLIFIER

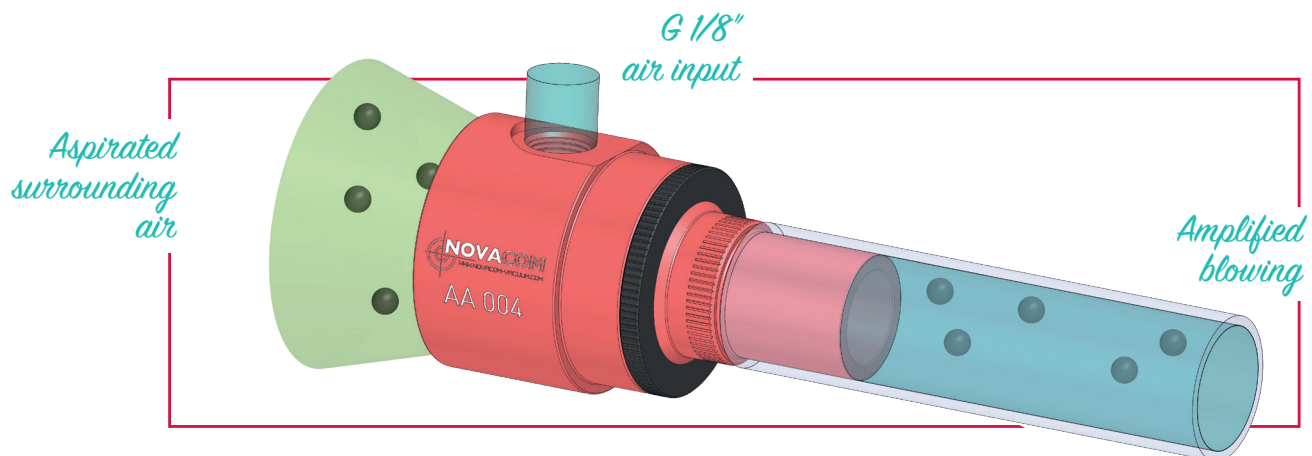
## BLOWING



## AIR EXTRACTION



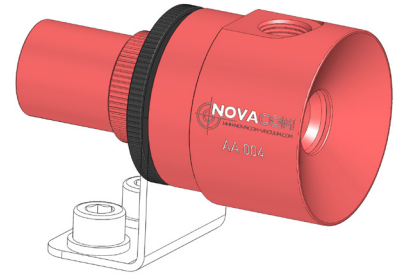
## TRANSPORTATION SUCTION



## 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



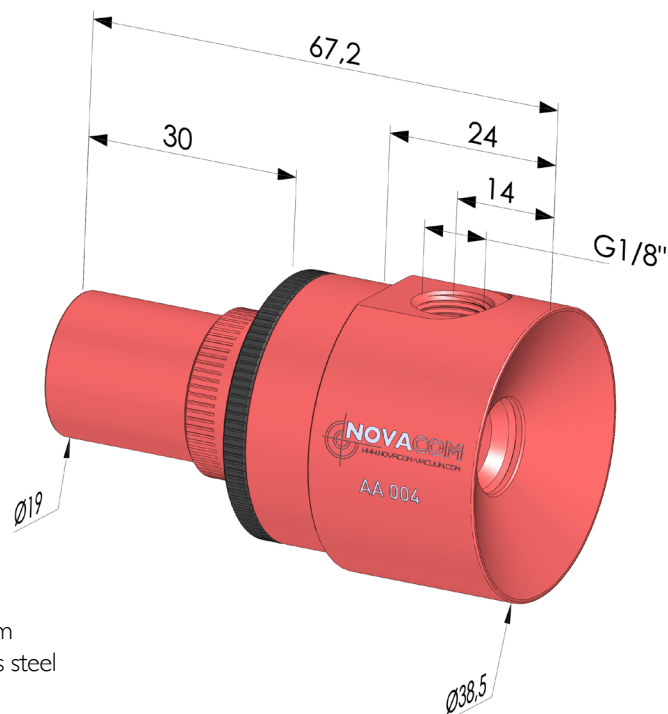
- 1 Locknut AA 004 CONTRE ECROU
- 2 Counter-nozzle AA 004 CON/BUSE
- 3 Body AA 004 CORPS

## 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