

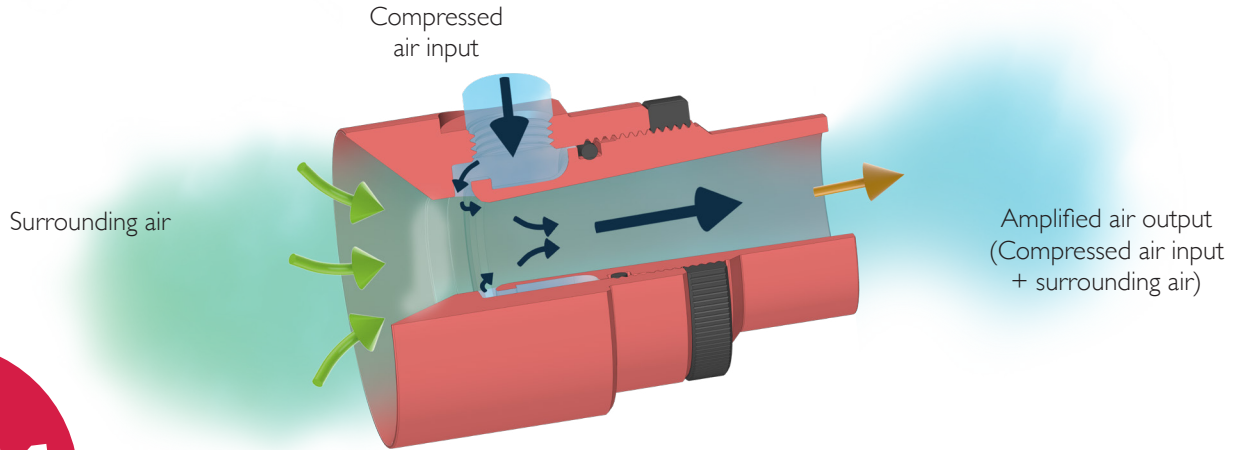
# AA 008

## TECHNICAL SHEET

### AIR AMPLIFIERS



#### OPERATING PRINCIPAL



**RATIO UP TO**  
**13/1**

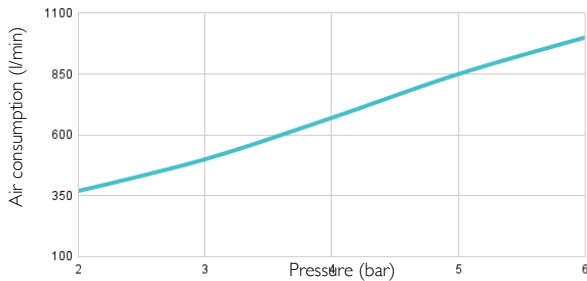
#### TECHNICAL INFORMATION\*

BENEFITS OF USING AA 008 AIR AMPLIFIER*	Pressure (bar)	Air consumption (l/min)	Noise level (dB)	Aspirated surrounding air (l/min)	Amplified blowing (l/min)
		6	950	85	2860

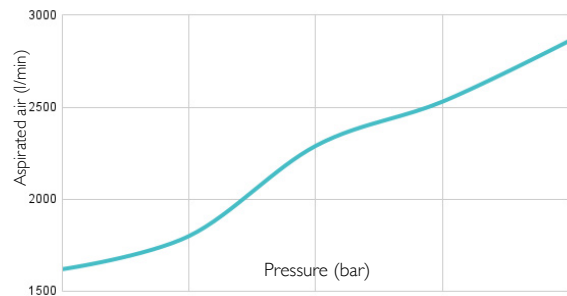
#### AA 008 AIR AMPLIFIERS FEATURES\*

- **Connection** : Female G1/4" • **Inside Ø** : 21mm • **Weight** : Aluminium : 180g / Stainless steel 316 L : 529g
- **Max. operating temperature** : Aluminium : 150°C / Stainless steel 316 L : 450°C • **Max pressure** : 10 bars

**AIR CONSUMPTION DEPENDING ON PRESSURE\***



**ASPIRATED AIR DEPENDING ON PRESSURE\***



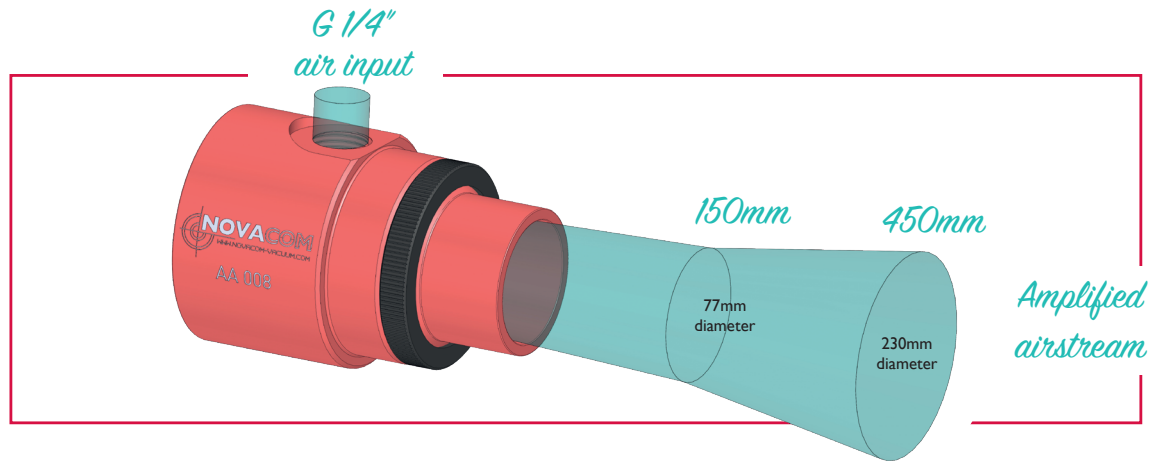
\* **NOTE:** The measurements in this data sheet have been obtained in a laboratory under strict control. The varying conditions of a real industrial environment and the instability of pressure from an industrial compressor can create different values than the ones obtained in a laboratory. Those data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

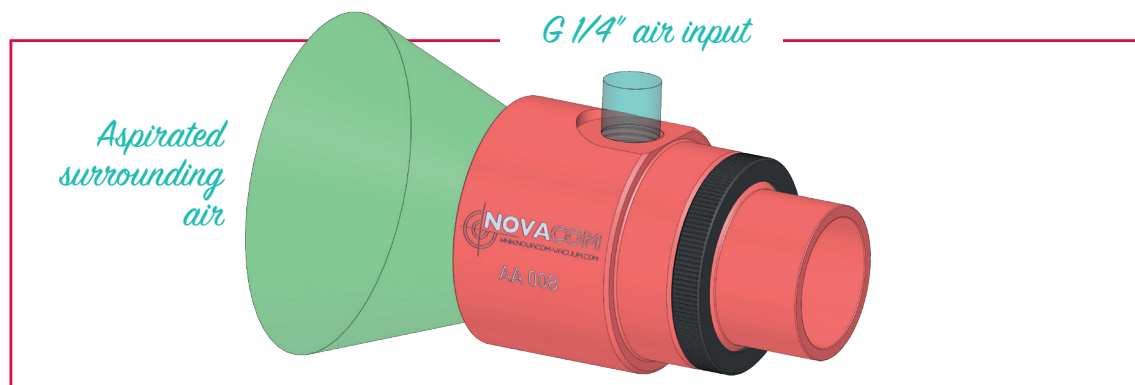
The amplified air value uses the Boyle-Mariotte law. The pressurized air has a less important volume than the expanded air and is translated by the formula:  $P1 \times V1 = P2 \times V2$   
In our case  $V1 =$  consumed air + aspirated air

# EXAMPLES OF DIFFERENT APPLICATIONS OF THE AIR AMPLIFIER

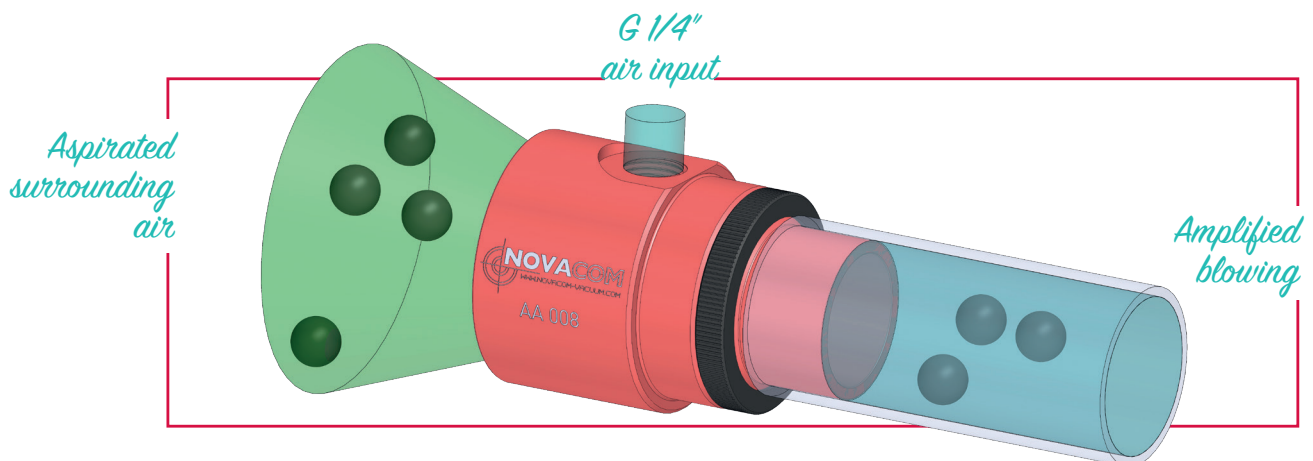
## BLOWING



## 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



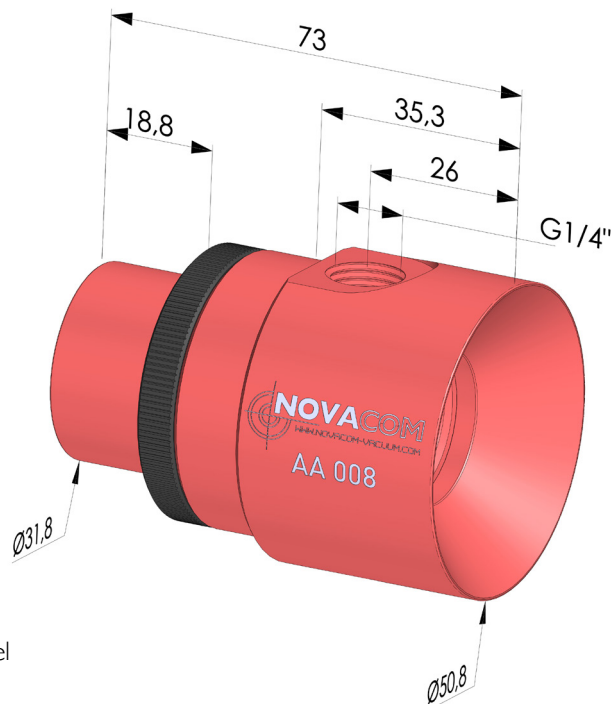
- 1 Locknut AA 008 CONTRE ECROU
- 2 Counter-nozzle AA 008 CON/BUSE
- 3 Body AA 008 CORPS

## 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 008** ■ Anodized aluminium  
**AA 008 ACI** ■ 316L Stainless steel

The values are given in millimeters