



# GLUING SOLUTIONS

## NC-ECA/ECAI AC/ CI SERIES SWIRL APPLICATOR

Can be configured for all applications.  
Compact size and lighter weight for better heating.  
Excellent thermal stability of swirl air.  
Anti-moisture version also available.

## MAIN FEATURES

- Series of compact swirl applicators with two pneumatic control versions: air-opening/air-closing AOAC and air-opening/spring-closing AOSC.
- Starting with a basic design, the size and number of modules can be adapted to reach the size and strokes necessary for all applications (max. width 550 mm). Built-in filter available for all models.
- The temperature is controlled electronically from the melter unit through the wiring inside the connection hose, and is read using a Ni120, Pt100 or NTC (R) RTD sensor.
- In applicators with independent heating, it heats to a temperature close to the application temperature.

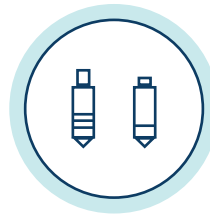
Different types of modules can be used: ball-closing, zero cavity or snuff back, with clean cut-off of the adhesive flow.

## ADVANTAGES



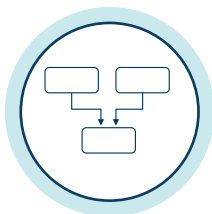
### EASY HANDLING

Convenient access to internal parts.



### CONFIGURABLE RANGE

For several types of interchangeable modules.



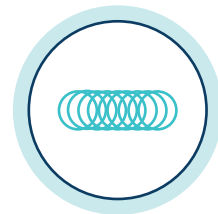
### SIMPLICITY OF COMPONENTS

Standard Ø12 mounting clamp and other parts common to all applicators.



### REDUCED ENERGY CONSUMPTION

Improved energy efficiency when heating the adhesive.



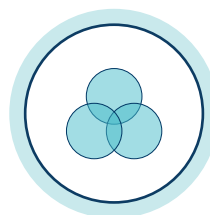
### IMPROVED APPLICATION RESULTS

Better stability between adhesive temperatures and swirl air.



### GOOD ADHESIVE QUALITY

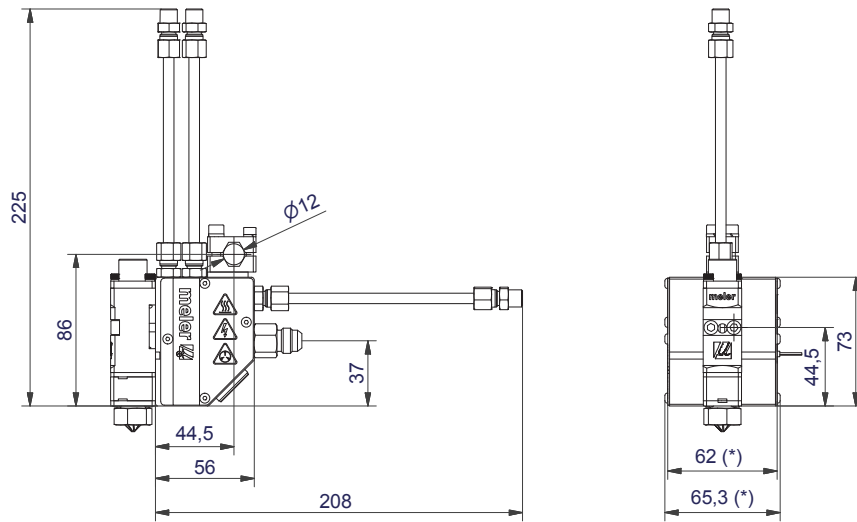
Easy-to-maintain built-in filter.



### COMPATIBILITY

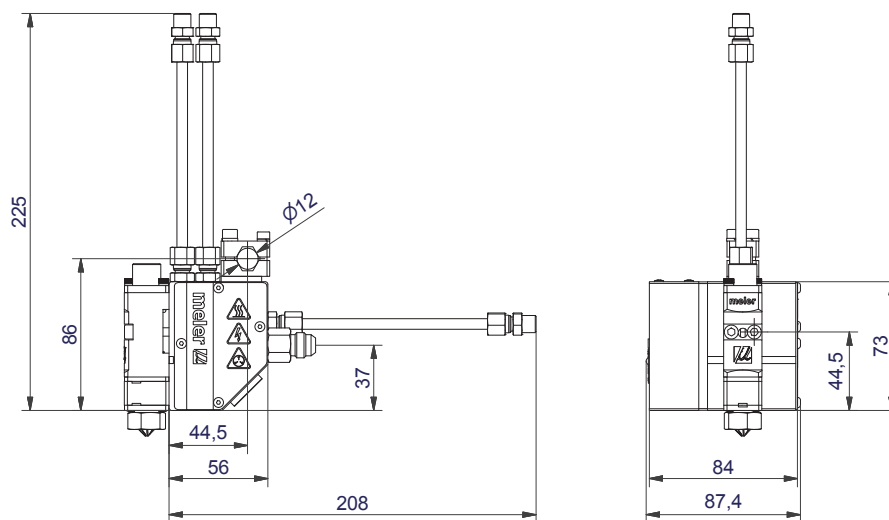
Standard electrical connections.

ECA/ECAI AC APPLICATOR

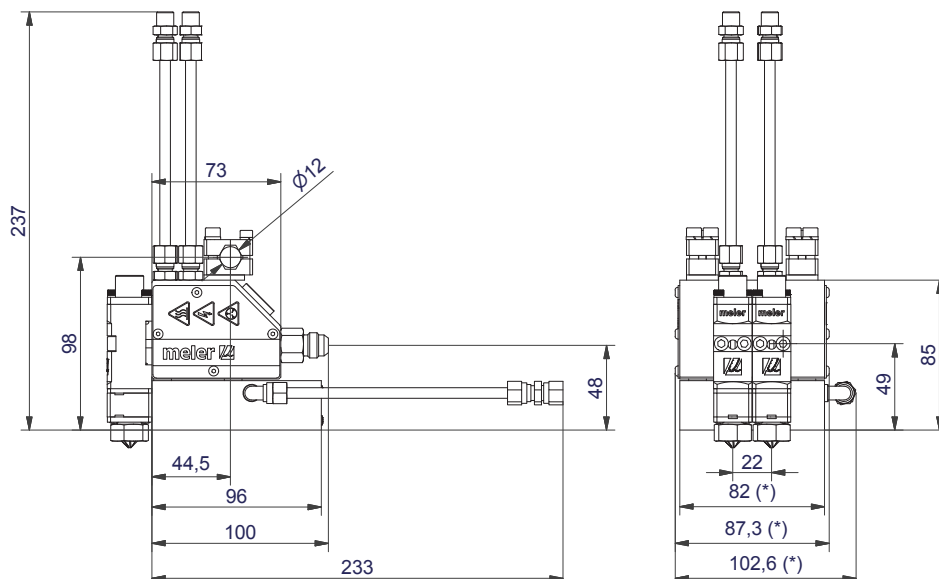


(\* ) Width based on the number of modules and centre-to-centre distances requested.

ECA CI 1 MODULE APPLICATOR



ECA/ECAI CI MULTI-MODULE APPLICATOR



(\* ) Width based on the number of modules and centre-to-centre distances requested.

## OPERATING AND MAINTENANCE

- The internal parts are accessed from the side by removing the small closing plates, making them easy to maintain and repair.
- The heating system provides thermal stability at every adhesive output, maintaining the swirl air at an ideal temperature for application.

## TECHNICAL CHARACTERISTICS

Max. operating temperature	up to 230 °C (446 °F)
Heating power	depending on the configuration used
Max. hydraulic pressure	90 bar (1305 psi)
Max. pneumatic pressure	6 bar; dry, clean and non-lubricated
Operating speed (*)	up to 4800 cycles/min
Temperature control	RTD $\pm 0.5^{\circ}\text{C}$ ( $\pm 1^{\circ}\text{F}$ ) (Ni120, Pt100 or NTC-R)
Power supply voltage	230 VAC, 50/60 Hz (from the melter unit)
Solenoid valve voltage	24 VDC

(\*) Depends on the type of adhesive.

For more information speak with your Focke Meler representative:

**meler** 

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