

Description

The FI-EABA BZ electric full and spray jet self-inducing nozzle is a fixed-flow discharge device designed for use on electric monitors.

In the safe-area version, the nozzle is operated by a 24 V linear actuator equipped with an integrated potentiometer. In the ATEX version, the nozzle is equipped with a mechanical actuator driven by an asynchronous motor, either 230 V single-phase or 400 V three-phase, with travel limited by inductive or magnetic sensors.

The nozzle is equipped with pick-up tube in order to use the flow of water through the internal waterway to aspirate the foam from a foam container and mix it into a foam solution. The standard mixing ratio is set at 3% (upon request and subject to verification, it can be modified to 1% or 6%). A two-position valve is also available, allowing the selection of two different mixing ratios. The foam induction can be stopped using the supplied ball valve in order to discharge water only.

The nozzle is made from a nickel-aluminium bronze (NAB) casting, a material that provides excellent corrosion resistance.

The nozzle is factory-calibrated to the flow rate and pressure values specified by the customer, with a range from 500 to 3800 L/min.

Performances

Model	Flow rate (lt/min)	Fixed mixing rate %	Suggested operating pressure (bar)
FI-EABA BZ	500-3800	1%-3%-6%	5 - 12

Flow rate and pressure are calibrated according to the Customer's requirements.

The values shown in the table represent the minimum and maximum calibration limits of the nozzle. The indicated mixing percentages are to be considered fixed; variable mixing is available only upon request. Please contact the Company to verify the compatibility of the required flow and pressure parameters and to ensure that the desired mixing ratio can be achieved according to the type of foam concentrate used and the operating conditions (flow and pressure).



Technical Characteristic

Material	Nickel-aluminium bronze (NAB)
Connection	Threaded 3" BSP F
Actuators	24 V DC linear actuator for safe-area version Mechanical actuator driven by asynchronous motor for ATEX version
Finishing	Natural, not painted

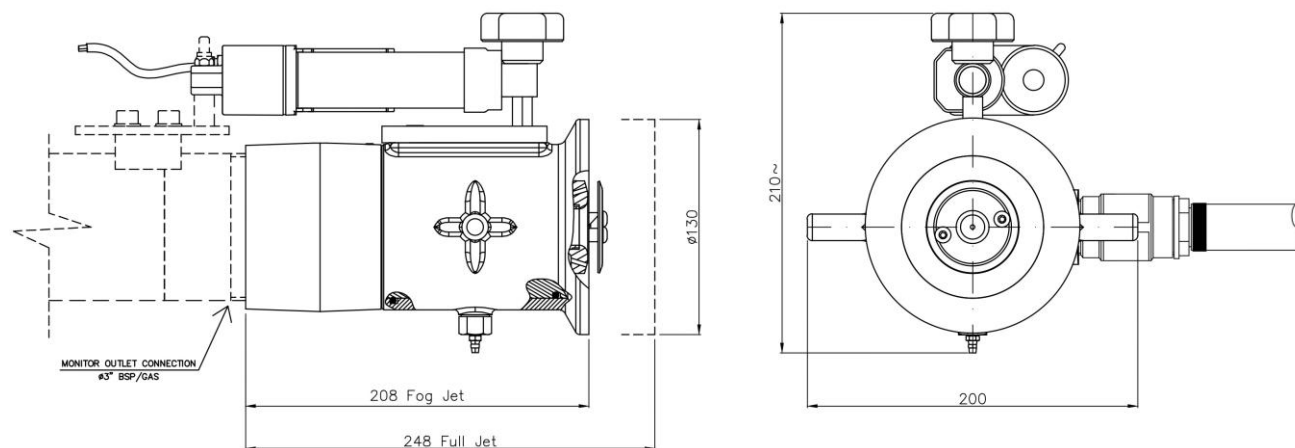
Depending on the application, various actuators, motors, and limit switches are available. Please contact the Company to request the specific data sheets.

Compatibility with fluorine-free foams

The FI-EABA BZ nozzle is fluorine free compatible. For further detailed information, please contact the company.

FI-EABA BZ

Dimensions (safe area configuration)



Throw ranges

The throw ranges shown in the graphs below refer to a monitor set at a 30° elevation angle, with pressure values measured at the nozzle; therefore, any pressure losses in the selected monitor must be taken into account. The data refer to water discharge only, under conditions with no wind or other atmospheric factors that could affect the jet.

Throw range graph FI-EABA BZ

