

POLIMAT® SERIES

MODEL : Polimat CE/EL

Polimat CE/EL

Polimat CE/EL is a dosing system that allows to obtain solutions or emulsions at constant concentration in all working conditions, even with changes in the pressure or in the network water flow rate.

Functioning

Polimat is based on the principle of proportionality between water flow and the product to add. The proportion is obtained through an electronic control unit which allows the concentration setting directly from the keyboard. A special dosing pump with piston and with variable capacity mixes the product to add in a static mixer.

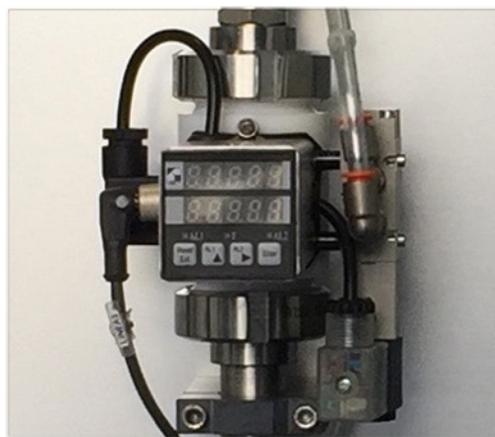


Features

Polimat® is a set of mixers for high flow rate, recommended for any kind of use in forges, foundries and for machine lubrication. It can use well water, osmotic or aqueduct water and it can mix either oil or graphite. It is recommended for companies where the concentration and the lubricant used are constant for more than one production line and so it is convenient to centralise the mixing system. All mechanical parts are designed to prevent malfunctions and minimise routine maintenance. Standard measures are compact: 500x500x250 mm. It is possible to install Polimat CE/EL according to the space and production requirements.

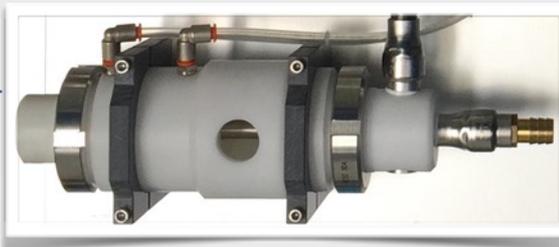
Electronic control unit for pumps control

Polimat CE/EL is managed by an electronic control unit that allows you to quickly and easily program the mixing rate between water and the product to add.



Dosing pump

The dosing pump has a variable capacity from 10 cc to 150 cc of additive.



Polimat CE/EL with double pump

If you need to obtain solutions with high concentrations, Polimat EC can be supplied with a double pump dosing system. The two dosing pumps operate alternately (while one injects, the other aspirates and vice versa). This allows more frequent product injections.



Technical specifications

Committed power	250W
Power supply	230Vac
Compressed air	da 3 a 8 bar
Maximum flow	2000 l/hr
Precision of the solution	1%
Field of application	Forges, Foundries and Engineering factories