

pennekamp ▶



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Dosing Unit DOS (optional Hydro Plus)

DOS

Dosing Unit DOS

This unit has been designed in order to prepare a mix of the coating material with water, to provide it to the spraying unit, according to the technical needs. It may operate one or two cold end spays at the same time. All adjustments are executed directly at the dosing unit itself. Based on the unique design, there is no need for an additional electrical pump. The suction nozzle has a non-return valve installed on its lower end and shall be placed directly into the coating material drum.

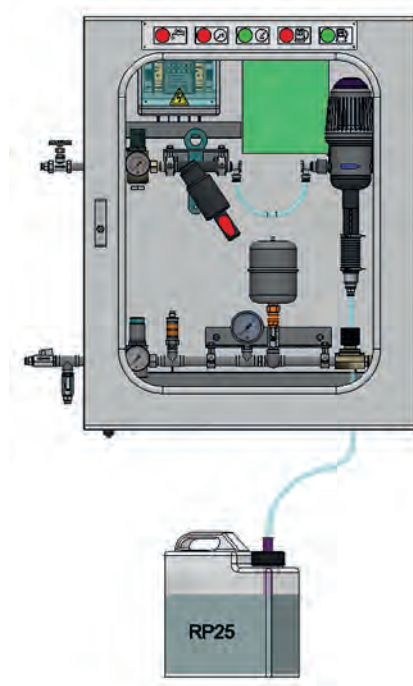
The components are installed within a control panel, allowing the visual inspection through a window in the door. The box shall be attached to the side wall of the last tunnel zone of the lehr. The pipe work from the dosing unit to the cold end spays shall be executed individually by the buyers.

The line water pressure acts as the “power media” for the dosing unit and passes through a first particle filter and a pressure monitoring.



Thereafter, it sucks the coating material through the dosing unit, which again regulates the mixing ration. The storage / pressure tank will contain the mixture and by use of another pressure regulating valve, a constant flow and pressure of mixture is provided to the spray nozzle(s) itself. The failsafe and simplified unit fulfills today's requirements in container glass manufacturing.

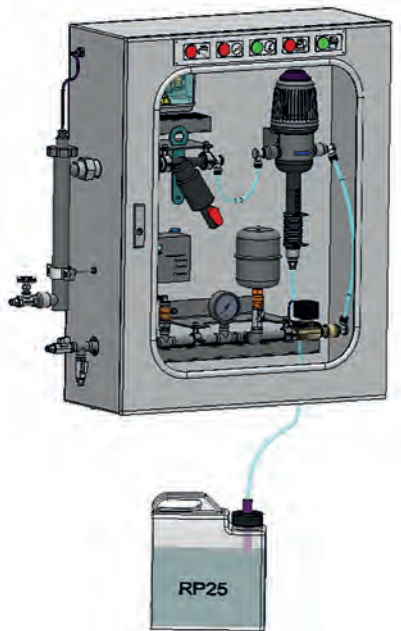
There are certain indication lamps installed at the control panel, which indicate the status of the coating material drum as well as of the internal storage / pressure tank.



Hydro Plus

The Dosing unit may be upgraded and technically modified by use of a Pipe UV Lamp to remove approx. 99% of the bacteria coming with the regular water supply. This newly developed system does minimize the clogging of the spray nozzles within the cold end spray.

The lamp has a life time of approx. 10.000h and has a "wear" indication system in order to inform the user on its status.

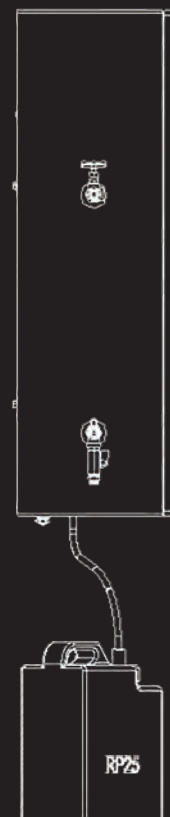
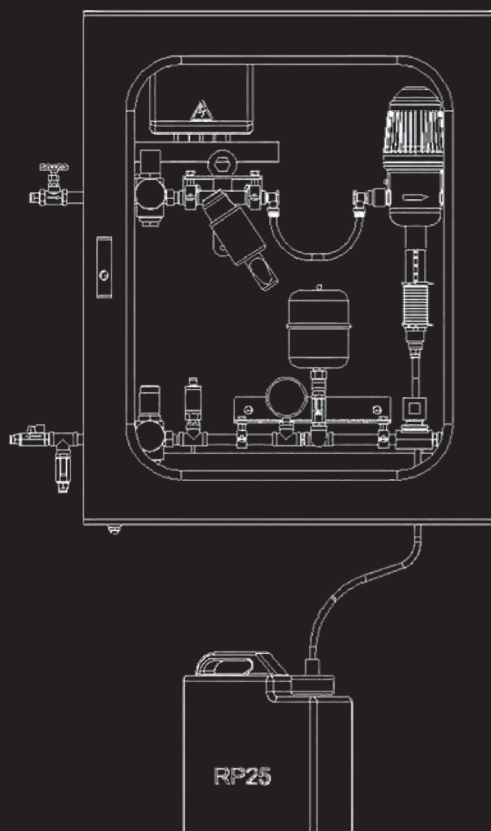


Features

- 0,4% to 4,0% automatic mixing ratio
- Suction nozzle for the coating material drum with non-return valve
- Optical alarm
- Status display for the filling of the coating material drum
 - Full
 - Empty
- Status display for the internal storage/pressure tank
 - Full
 - Empty
- Status display for the water pressure
 - Too low

Dosing Unit DOS

Depth	B = 400mm
Height	C = 1.000mm
Width	A = 800mm
Voltage	230V 50HZ*
Prefusing	2A
Water Consumption	5l/h
Water Pressure	2 - 4 bar 29 - 56 PSI
*others on request	



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