

Systronic CL420

Fully Automatic Cleaning System
For Stencils, Misprints & Squeegees

Construction

The cleaning system consists out of a solid stainless steel base frame and a hermetically sealed process chamber. Furthermore, it contains a cleaning tank, rotating spraying arms for cleaning, a rinsing tank and spray nozzles pipe system for the rinsing as well as a powerful convection air drying.

The SYSTRONIC CL420 is operated by PLC and guarantees the highest standard concerning the cleaning effect, reproducibility, capacity and ease of use.

The use of different stencils, squeegees or frames can be realized with a special adapter (optional) out of stainless steel.

Function

The SYSTRONIC CL420 is cleaning with rotating spraying arms within a closed loop system. Supply of the spraying arms with cleaning media takes place by a powerful centrifugal pump. It pumps out – over a fine filter unit – the cleaning media out of the feeder tank. The cleaning media runs over a coarse filter unit back into the feeder tank. The ideal geometry of the cleaning chamber and the use of special plates guarantee a very low loss with respect to the cleaning media.

The rinsing function is done in the same principle but is using special nozzles pipe system instead of the rotating spraying arms. The rinsing is using a separate tank, a separate pump, a separate filter and separate nozzles.

The drying process functions with compartment air which is absorbed, heated up and blown into the process chamber by means of a special plate for the inflow. To absorb the arising fumes, the cleaning system shall be installed with the local extraction system.



Tank

Within the body of the cleaning system, below the process chamber, the stainless steel tanks with the cleaning and rinsing media is placed. Capacity: 75 liters of both. Included in delivery of the tanks is a coarse filter unit. Via this filter unit the cleaning media is coarsely filtered on its way back into the process chamber.

The level of the liquids within the tanks will be controlled via floating switches. Minimum inventories will be shown accordingly.

A ground collection tray can be obtained optionally which is collecting the entire cleaning liquid.

Control of the Cleaning System

The cleaning system is controlled and supervised by PLC. It contains the cleaning programs and the parameter of the CL420. The possibility to operate the actuators solely is given.

All current conditions of the program or malfunction messages will be shown in the operating panel.

Technical Data

Electrical Input	cable 5 x 4mm ² , 2 m long – on request with CEE plug
Working Voltage	400 V, 50 Hz, 3 NPE
Power Input	max.20 A
Pre-fuse Provided by Customer	32 A (all-pole switching)
Total Power	9 kW
Exhaust Installation	tube, external diameter 160mm / 500m ³ /h
Noise	<69 dB(A)