



# DOPAG Metering and Mixing System for liquid Silicone SILCO-MIX P20

Specifically developed for processing high viscosity two component adhesives and sealants with a mixing ratio of 1:1, the SILCO-MIX P20 is particularly suited to handling Liquid Silicone Rubbers (LSR).

The machine is fed directly from standard material pails by pneumatic drum pumps. Optionally, an additional metering up to 2 colours is possible.

A PLC control unit controls and supervises the function parameters of the system.



## Features and benefits

- Linked metering pumps
- Balanced linear drive
- Pressure control
- Robust and compact construction
- Transportable by rollers or by forklift
- 2-hand safety operation



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## Technical data

Viscosity range	up to 4 Mio mPa s
Metering ratio	1:1 fix (volume)
Maximum flow rate	up to 1 l/min per 20 double strokes, depending on the viscosity
Air inlet pressure supply	6 bar
Air inlet connection	1/2" BSP
Air consumption	up to 300 l/min
Container size	20 l container
Power supply	187 bis 264 V, 50 Hz, 230 W
Dimensions (L x W x H)	800 x 1100 x 1300/1800 mm
Weight	approx. 300 kg

## Function

The materials are fed by pumps from their original drums and kept separate until they enter the mixing block.

An optional third pump is available for colour injection if required.

After entering the static mixing system the components are mixed homogeneously.

The metering system is controlled and supervised by a PLC, which is capable of interfacing with the controller of the injection moulding machine.

## Equipment

### Standard

- Basic chassis and framework
- Pail elevator
- Level control
- Pressure control by contact manometer
- Mixing block, pressure regulator, dispensing valve
- Static steel mixer
- PLC

### Options

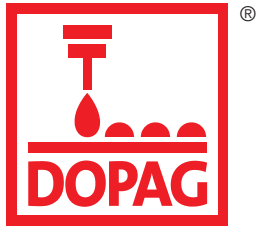
- Additional colour metering
- Transfer pump with CVD or with plasma coating
- Mixer freezer
- Metering control by electronic volume counter
- Static steel mixing tube
- Individual assembling of the mixing system to the injection moulding machine
- Customised system colours
- Guided clamping rollers



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The Hilger u. Kern / Dopag group, with more than 300 employees and 7 subsidiaries, is one of the leading manufacturers of machines for metering and mixing systems in the world for plural component polymers and single component media such as greases, oils and pastes. For more than 30 years the group has developed machines, systems and components to suit your individual needs.