



# DOPAG Metering and Mixing System SILCO-MIX L200

The SILCO-MIX L200 has been specifically developed to handle two component liquid silicones during the LIM (Liquid Injection Moulding) process with a fixed mixing ratio of 100:100.

The components are fed, metered and mixed directly from original 200 litre size drums and are then delivered directly to the injection moulding machine.



## Features and benefits

- Pneumatically driven rams
- Hydraulically driven metering pumps
- Synchronous metering pumps
- Processing from original containers
- Automatic shut off level control
- Fixed 100:100 mixing ratio
- Guaranteed mixing ratio accuracy
- Compact construction
- Simple operation
- Easy to service



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## Technical Data

	SILCO-MIX L200-30	SILCO-MIX L200-150
Viscosity range (mPa s)	up to 2,000,000	up to 2,000,000
Mixing ratio (volumetric)	100:100	100:100
Flow rate at 10 double strokes (l/min)	up to 0.6, depending on viscosity	up to 3, depending on viscosity
Working pressure (bar)	355	250
Pigment injection metering (%)	0.2 to 5	0.2 to 5
Standard power supply	3 x 400 V / 50/60 Hz / PE	3 x 400 V / 50/60 Hz / PE
Container size (l)	20 - 80 / 200	20 - 80 / 200
Dimensions L x W x H (mm)	1500 x 1200 x 2500	1500 x 1200 x 2500
Weight (kg)	approx. 680	approx. 700

## Function

The two components are fed directly from their original containers by hydraulically driven metering piston pumps that guarantee a constant mixing ratio.

This concept ensures absolute synchrony of the metering pumps. The two components are kept separate until they enter the static mixer, where they are homogeneously mixed.

## Equipment

### Standard

- Compact fork-liftable chassis
- Pneumatic pump rams
- Hydraulic power pack
- Hydraulically driven piston pumps
- PLC control unit
- Automatic shut off level control
- Material pressure regulator, material block, static mixer, dispensing valve
- Material pressure monitoring

### Optional

- Pigment injection metering
- Drum roll-in mechanism
- Alternative follower plate sizes
- Alternative power supplies
- Further options - see price list



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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.