



DOPAG Metering and mixing system for Silicone SILCO-MIX P1

Specifically developed for processing high viscosity two component adhesives and sealants with a mix ratio of 1:1. The material is supplied in 1 litre cartridges.

Up to 0.7 ml per shot can be applied in a shot time of about 2 seconds.

The system concept allows a direct fixture at the material inlet of the injection moulding machine which leads to the advantage of short material passage ways. This is especially important with high-quality materials that are used in medical applications.

Used with low volume runs and small shots, the SILCO-MIX P1 is a real economic alternative to systems that feed material directly from original containers.



Features and benefits

- Material supplied from standard 1 litre cartridges
- Precise metering valves ensure optimal mixing ratio
- Mechanically linked twin cartridges ensure a homogenous material supply
- Fixture can be adapted to all commercial injection moulding machines
- Materials remain separated until entering the inlet of the mixer
- Optional electronic volume counters control the material flow
- Metering computer



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Technical data

| | |
|---------------------------|--------------------------------|
| Metering ratio | 1:1 |
| Flow rate | up to 0.7 ml per shot |
| Time of cycle | 2 seconds |
| Air inlet pressure supply | 6 bar |
| Air inlet connection | 1/4" BSP |
| Maximum air consumption | 100 l/min |
| Cartridge size | up to 1 litre cartridge |
| Power supply | 230 V, 50 / 60 Hz < 1 A, 200 W |
| Dimensions (L x W x H) | 300 x 500 x 680/910 mm |
| Weight | approx. 80 kg |

Function

A drive cylinder forces the materials out of the twin cartridges. Metering valves precisely control the metering ratio of 1:1. The materials are kept separate until they enter the static steel mixer, following which the two components are mixed homogeneously.

The control and supervision of the metering system is performed by an MR20 computer which has an interface to the control of the injection moulding machine.

Optionally, electronic volume counters can be added to control and supervise the material flow.

Equipment

Standard

- Basic construction with cartridge press
- Mixing block with static mixing tube
- Metering valve
- Computer MR20

Options

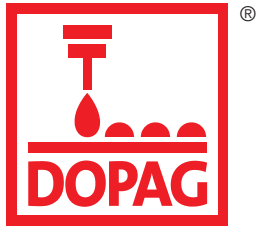
- Volumecounter
- Cartridge feeding machine



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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.