



DOPAG Metering and Mixing System for low to medium viscosity media MICRO-MIX S



Hilger u. Kern / Dopag Group

MICRO-MIX S

for low to medium viscosity media

The MICRO-MIX S is a solvent free piston pump type metering and mixing system, used to handle low to medium viscosity multi component media such as polyurethanes, silicones or epoxy resins.

Special configurations to process high viscosity media are also available.

Typical Applications

- Gluing
- Casting
- Encapsulating



Features and benefits

- Variable mixing ratio
- Variable output rate
- Handles unfilled, filled as well as abrasive media
- Exact reproducibility of metering operation
- Highly accurate mixing ratio and output rate through ratio check adapter
- Metering computer enables its use in semi or fully automated production processes
- Solvent free

Equipment

Standard

- Pressure vessel
- Piston pumps
- Stepper motors
- Static mixing system
 - Twin snuffer valve
 - Disposable static mixer
- Metering computer

Optional

- Larger capacity pressure vessel
- Material supply by drum pumps
- Hose package
- Abrasion protected components
- Heating
- Ratio check adapter
- Mixing ratio control
- Agitators
- Level control
- Flushing cycle customized for system concept

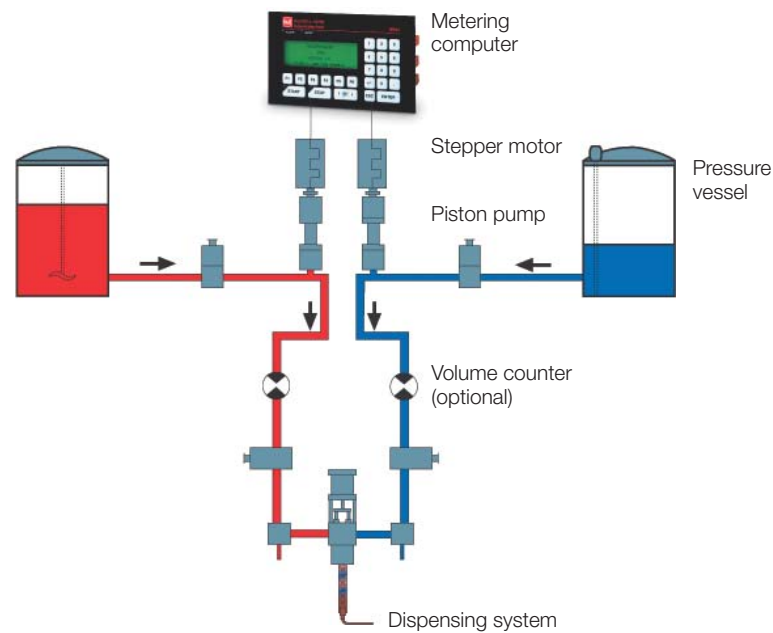
Function

Pressure vessels are used to supply the material into the single acting piston pumps where the material is metered at the pre-selected ratio. If pasty media is supplied, optional drum pumps are available. The pumps are driven by stepper motors.

The system is controlled by a metering computer. This enables integration into semi or fully automated production processes.

The MICRO-MIX S is fitted with a static mixing system that includes a twin snuffer valve combined with a disposable static mixer.

Should mixed material be allowed to cure in the mixer, it can be replaced simply and inexpensively, thus avoiding a time consuming, expensive and environmentally damaging flushing cycle.



Technical Data

Shot size	0,5 to 10 ml
Mixing ratio	100:100 to 100:2, by volume
Mixing system	Static mixing system - Twin snuffer valve - Disposal static mixer
Material supply	Pressure vessels, 2 or 4 l or drum pump
Viscosity range	50 to 100,000 mPa s, with pressure vessel to 1,000,000 mPa s, with drum pumps
Material characteristics	Unfilled, filled, abrasive
Power supply	230 V / 50 Hz / 16 A
Maximum air inlet pressure	6 bar
Dimensions, L x W x H	approx. 950 x 400 x 500 mm, depending on configuration
Weight	approx. 70 kg

Hilger u. Kern / Dopag Group



Hilger u. Kern GmbH
Industrietechnik



DOPAG Dosiertechnik
und Pneumatik AG

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.