



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



MICRO-MIX E

for low to medium viscosity media

The MICRO-MIX E 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.

Typical Applications

- Gluing
- Encapsulating



Features and benefits

- Variable mixing ratio
- Variable output rate
- Handling of unfilled, filled as well as abrasive media
- Exact reproducibility of metering operation
- Highly accurate mixing ratio and output rate through ratio check adapter
- Pneumatic-mechanical control
- Solvent free

Equipment

Standard

- Pressure vessel
- Piston pumps
- Air motor
- Lever system
- Static mixing system
 - Twin snuffer valve
 - Disposable static mixer
- Pneumatic-mechanical control

Optional

- Material supply by drum pumps
- Abrasion protected components
- Heating
- Ratio check adapter

Function

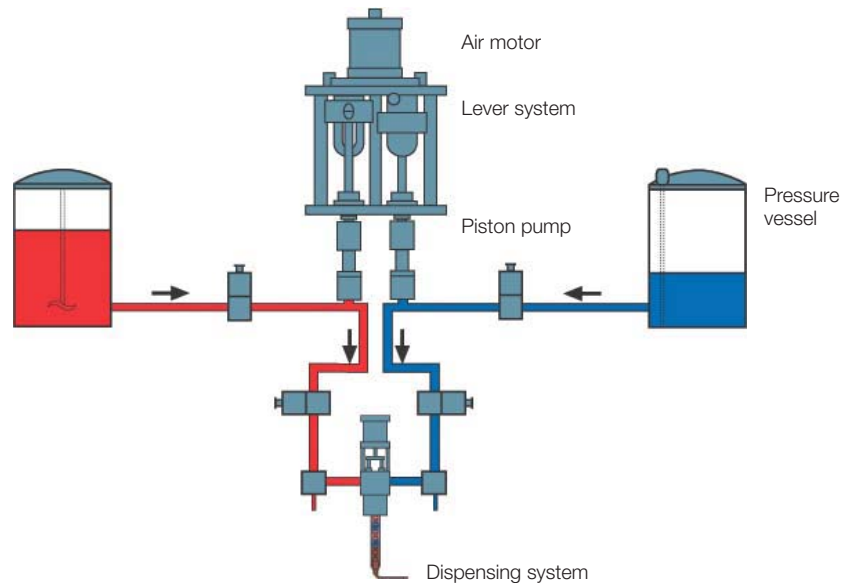
Pressure vessels are used to supply the A and B component into the single acting piston pumps where the material is metered at the pre-selected ratio. The pumps are driven by an air motor.

The stroke of the air motor is transferred to the pumps via a lever system. The mixing ratio and shot size can be adjusted by means of the lever system.

The MICRO-MIX E 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.

Pulse frequency and working pressure can be adjusted through a pneumatic control system.



Technical Data

Shot size	0,5 to 10 ml
Mixing ratio	100:100 to 100:20, by volume
Mixing system	Static mixing system - Twin snuffer valve - Disposal static mixer
Material supply	Pressure vessels, 2 or 4 l
Viscosity range	50 to 1,000,000 mPa s
Material characteristics	Unfilled, filled, abrasive
Maximum air inlet pressure	6 bar
Dimensions, L x W x H	approx. 750 x 400 x 500 mm, depending on configuration
Weight	approx. 50 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.