



DOPAG Metering and Mixing System for low to medium viscosity media ELDO-MIX 101



Hilger u. Kern / Dopag Group

ELDO-MIX 101

for low to medium viscosity media

The ELDO-MIX 101 is a solvent free gear metering and mixing system, used to handle low to medium viscosity multi component media such as epoxy resins, polyurethanes or silicones with mixing ratios between 100:100 and 100:10.

Special configurations to process high viscosity media are also available.

Typical applications

- Coating
- Sealing
- Gluing
- Rapid Prototyping
- Encapsulating



Features and benefits

- Variable mixing ratio
- Variable output rate
- Shot dispensing or continuous flow
- Over/under pressure protection
- Compact bench top machine
- Simple operation
- Solvent free

Equipment

Standard

- Pressure vessel
- Gear pumps
- Three phase asynchronous motor
- Static mixing systems
 - Twin snuffer valve
 - Disposable static mixer
- Control unit PLC
- Touch screen terminal

Optional

- Static-dynamic mixing system
 - with mixer element monitoring
- Pressure vessel with
 - level control
 - agitator
 - connection for vacuum pump
- Volume counter
- Material supply through drum pumps
- Heating
- Start/Stop signal with foot switch
- Manual handle and trigger start/stop fixed to twin snuffer valve

Function

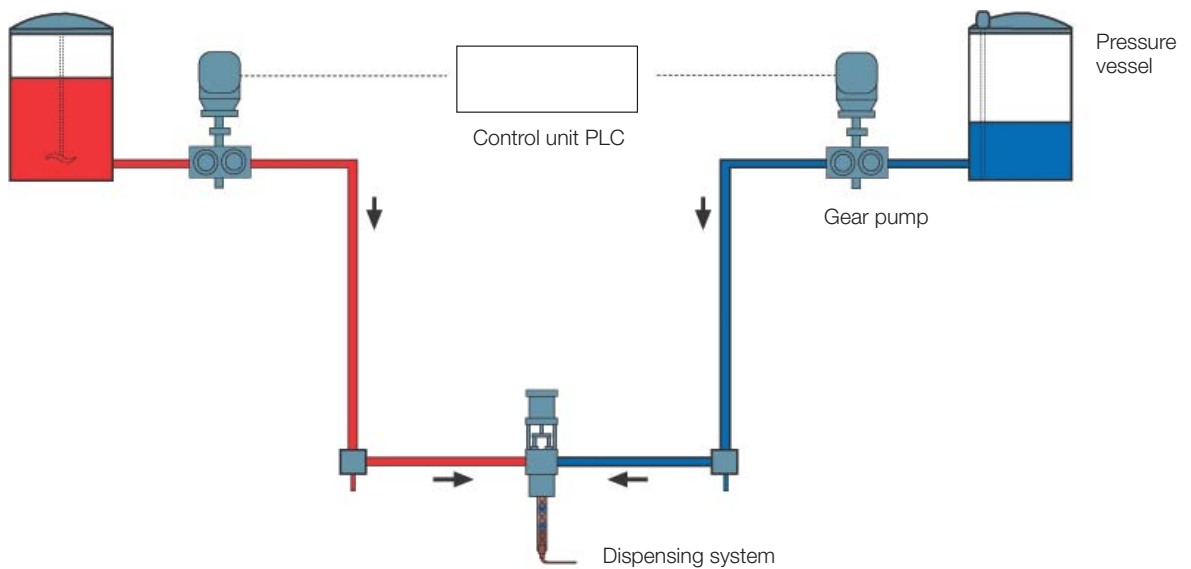
Pressure vessels are used to supply the material into the three phase asynchronous motor driven gear pumps where they are proportioned at the pre-selected ratio.

Each gear pump is protected against over pressure as standard.

The ELDO-MIX 101 is fitted with a PLC controller.

The ELDO-MIX 101 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

Flow rate	10 ml to 1,2 l/min, depending on mixing ratio and viscosity
Mixing ratio	100:100 to 100:10, by volume
Maximum working pressure	100 bar
Mixing system	Static mixing system - Twin snuffer valve - Disposable static mixer
Material supply	Pressure vessels, 6 or 12 l
Viscosity range	50 to 80,000 mPa s, with pressure vessel up to 150,000 mPa s, with drum pumps
Material characteristics	Unfilled
Power supply	230 V / 50 Hz / 16 A
Maximum air inlet pressure	6 bar
Dimensions, L x W x H	approx. 750 x 650 x 885 mm, depending on configuration
Weight	approx. 150 kg

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The Hilger u. Kern / Dopag group, with more than 300 employees, 8 subsidiaries and 24 distributors, is one of the leading manufacturers of 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 systems and components to suit your individual needs.