



DOPAG Metering and Mixing System for low viscosity media ELDO-MIX 001



Hilger u. Kern / Dopag Group

ELDO-MIX 001

for low viscosity media

The ELDO-MIX 001 is a solvent free compact gear metering system that is typically used to handle low viscosity multi component media such as epoxy resins, polyurethanes or silicones with mixing ratios between 100:100 and 100:20.

Typical applications

- Sealing
- Gluing
- Rapid Prototyping
- Encapsulating



Features and benefits

- Compact design, lightweight and portable
- Simple operation
- Economic solution, fast return on investment
- Variable mixing ratio
- Variable output rate
- Material supply shot dispensing or continuous
- Over pressure protection
- Solvent free

Equipment

Standard

- Portable enclosed cabinet
- Polyethylene gravity feed containers
- Gear pumps
- Three phase asynchronous motor
- Static mixing system
 - Dispensing block
 - Disposable static mixer
- Electronic control

Optional

- Twin snuffer valve
- Outlet hoses with non-return valves
- Silica gel filter
- Foot pedal start/stop
- Manual handle and trigger start/stop fixed to twin snuffer valve

Function

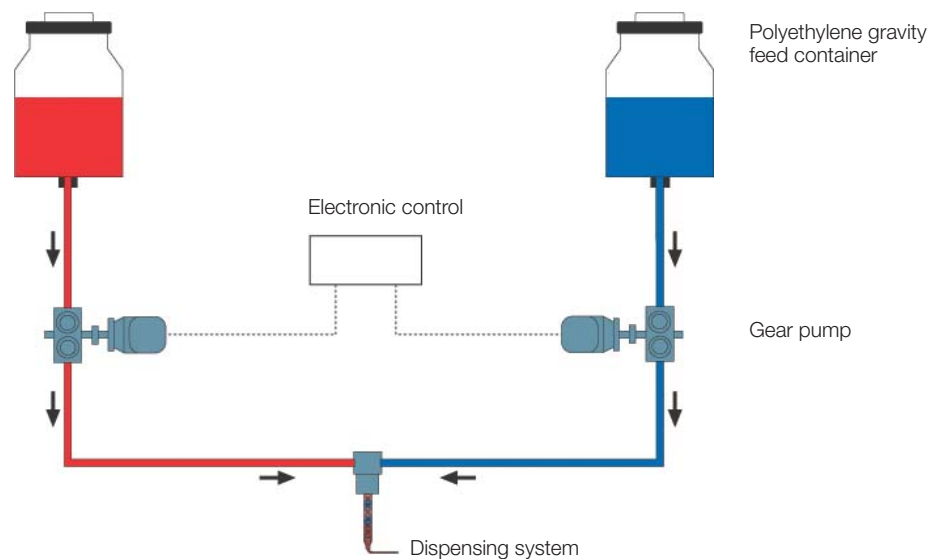
Lightweight polyethylene gravity feed containers are used to supply the material into the three phase asynchronous motor driven gear pumps where they are proportioned at the pre-selected ratio.

Each gear pump is protected against over/under pressure as standard.

The ELDO-MIX 001 is electronically controlled. Mixing ratio and output rate are chosen through a potentiometer and decade switch.

The ELDO-MIX 001 is fitted with a static mixing system that includes a mixing block 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	5 to 500 ml/min depending on mixing ratio and viscosity
Mixing ratio	100:100 to 100:20, by volume
Maximum working pressure	40 bar
Mixing system	Static mixing system - Mixing block - Disposable static mixer
Material supply	Polyethylene gravity feed container, 10 l
Viscosity range	100 to 10,000 mPa s
Material characteristics	Unfilled
Power supply	230 V / 50 Hz / 16 A
Maximum air inlet pressure	6 bar
Dimensions L x W x H	approx. 631 x 382 x 580 mm, depending on configuration
Weight	approx. 37 kg

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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.