



DOPAG Metering and Mixing System for pasty materials ELDO-MIX 401 T



Hilger u. Kern / Dopag Group

ELDO-MIX 401 T

for pasty materials

The ELDO-MIX 401 T has been specifically designed for handling pasty two component materials, including polyurethanes and epoxy resins, as well as for successfully processing microball filled materials.

The ELDO-MIX 401 T is characterised by

- lower material degradation than similar systems due to the optimised construction of the gear pumps
- careful construction for gentle material feeding
- minimum maintenance required, due to just a single pump for each component

Typical Applications

- Sealing
- Gluing
- Tooling



Features and benefits

- Gentle material feeding
- Lower material degradation due to the optimised construction of the gear pumps
- Continuous flow dispensing
- Simple operation
- Over pressure protection
- Solvent free
- Economic solution
- Compact construction
- Electronically controlled flow rate
- Low working pressure

Equipment

Standard

- Pneumatic, oversized rams
- Follower plate mounted special gear pumps
- Dispensing system with static mixer
- Metering computer
- Electronic adjustment of
-mixing ratio
-output rate
- Telescopic jib for supporting the mixing system and hose

Optional

- Dispensing system with static steel mixer
- Longer telescopic jib for supporting the mixing system
- Automatic mixing ratio monitoring and control
- Volume counter

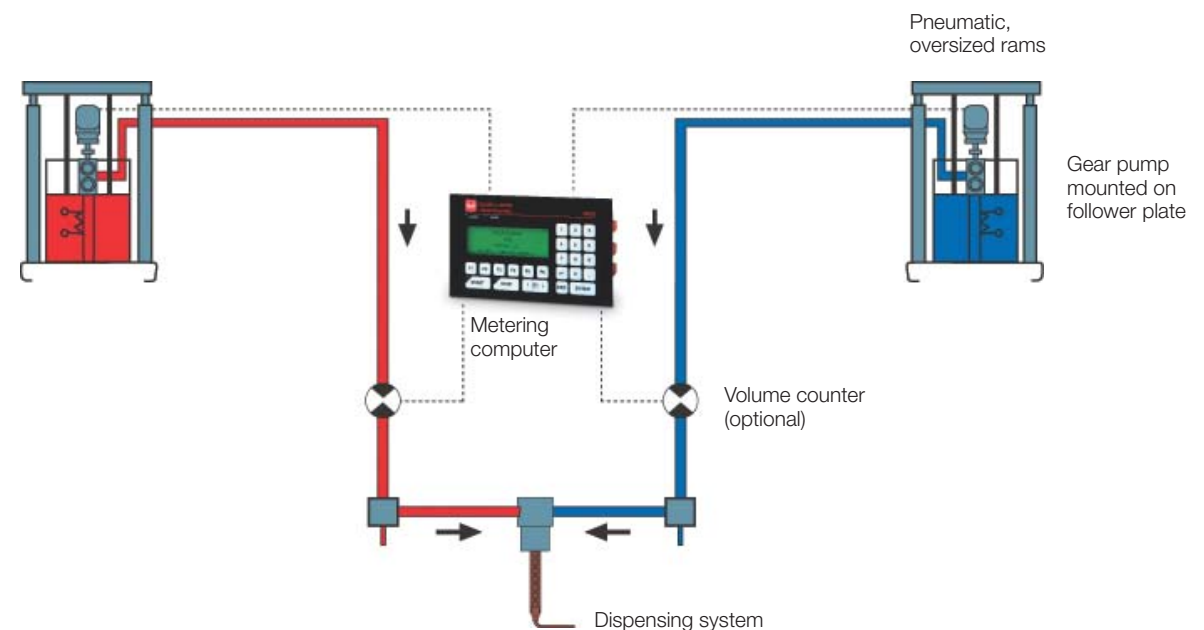
Function

The components are fed and metered directly from the drums. The gear pumps are mounted directly onto the follower plates. Each gear pump is individually controlled and protected against over pressure.

The ELDO-MIX 401 T is controlled by a metering computer.

Both components are then kept separate until they enter the static mixer where they are mixed homogeneously.

After use, the static mixer is normally purged with a single component.



Technical Data

Flow rate	0,7 to 5 l/min, depending on mixing ratio and viscosity
Mixing ratio	100:100 to 100:10, by volume
Maximum working pressure	50 bar, higher on demand
Mixing system	Static mixing system - Mixing block - Disposable static mixer
Material supply	80 or 200 l container size
Viscosity range	50,000 to 1,000,000 mPa s
Material characteristics	Filled, slightly abrasive
Power supply	3 x 400 V / 50 Hz / 16 A
Maximum air inlet pressure	6 bar
Dimensions L x W x H	approx. 1.620 x 1.160 x 2.450 mm (80 l) approx. 2.000 x 1.600 x 2.750 mm (200 l)
Weight	approx. 650 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.