



DOPAG Metering and Mixing System for low to medium viscosity media ECONO-MIX C



Hilger u. Kern / Dopag Group

ECONO-MIX C

for low to medium viscosity media

The ECONO-MIX C is a solvent free piston pump type metering and mixing system, used to handle low to medium viscosity multi component media such as epoxy resins, polyurethanes or silicones with a volumetric mixing ratio of between 100:100 and 100:16.

They can be unfilled, filled as well as slightly abrasive.

Typical Applications

- Coating
- Gluing
- Rapid Prototyping
- Encapsulating



Features and benefits

- Compact design
- Economic solution
- Variable mixing ratio
- Variable output rate
- Continuous flow rate
- Particularly suitable when small quantities are required
- Solvent free

Equipment

Standard

- Portable chassis
- Pressure vessels
- Double acting piston pumps
- Air motor with lever system
- Static mixing system
 - Twin snuffer valve
 - Disposable static mixer
- Pneumatic-mechanical control

Optional

- Static-dynamic mixing systems
- Mixing block with static steel mixer
- Pressure vessels in variable sizes with
 - level control
 - agitator
- Heating
- Flushing
- Pot life control
- Material filter
- Material pressure regulator
- Start/Stop signal with foot switch
- Manual handle and trigger start/stop fixed to twin snuffer valve

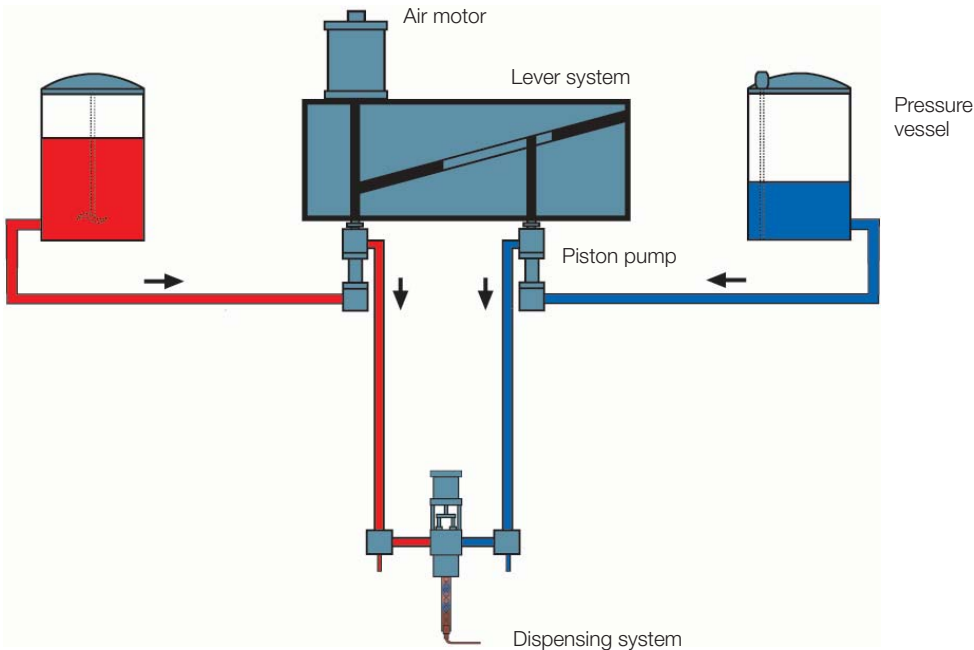
Function

Pressure vessels mounted onto a portable chassis, are used to supply the material into the piston type metering pumps. The pumps are driven by a single air motor. A lever system connects pumps and drive.

The pump for the A component is fixed to the lever system and shares the same stroke length as the drive motor, whereas the pump for the B component is movable along the lever system and thus has a variable stroke length which is used for the fine adjustment of the mixing ratio.

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

The valve contains an infinitely adjustable “snuffer” effect to avoid dripping after metering has finished. 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 | up to 2 l/min |
| Mixing ratio | 100:100 to 100:16, by volume |
| Maximum working pressure | 100 bar |
| Mixing system | Static mixing system - Twin snuffer valve - Disposable static mixer |
| Material supply | Pressure vessels, 4 to 45 l |
| Viscosity range | 100 to 50,000 mPa s |
| Material characteristics | Unfilled, filled, slightly abrasive |
| Maximum air inlet pressure | 6 bar |
| Dimensions, L x W x H | 600 x 600 x 1.200 mm |
| Weight | approx. 130 kg |

Hilger u. Kern / Dopag Group



Hilger u. Kern GmbH
Industrietechnik

Käfertaler Straße 253
68167 Mannheim
Germany

☎ +49 621 3705-0
☎ +49 621 3705-200

info@hilger-kern.de
www.hilger-kern.com

Vertriebsbüro Mitte 1
68167 Mannheim
☎ +49 621 3705-284
VBMitte@hilger-kern.de

Vertriebsbüro Mitte 2
68167 Mannheim
☎ +49 621 3705-450
VBMitte@hilger-kern.de

Vertriebsbüro Nord
30880 Laatzen
☎ +49 511 8999920
VBNord@hilger-kern.de

Vertriebsbüro Ost
01109 Dresden
☎ +49 351 8116095
VBOst@hilger-kern.de

Vertriebsbüro Süd
86391 Stadtbergen
☎ +49 821 44409960
VBSued@hilger-kern.de

Vertriebsbüro West
46238 Bottrop
☎ +49 2041 706240
VBWest@hilger-kern.de

DOPAG Dosiertechnik
und Pneumatik AG

Langackerstrasse 25
6330 Cham
Switzerland

☎ +41 41 7855-757
☎ +41 41 7855-700

info@dopag.ch
www.dopag.com

DOPAG SCAN ApS
Birkerød
Denmark
☎ +45 45 828090
info@dopag.dk

DOPAG (UK) Ltd.
Hartlebury
United Kingdom
☎ +44 1299 250740
uksales@dopag.com

DOPAG Sarl
Valence
France
☎ +33 4 75419060
contact@dopag.fr

DOPAG ITALIA S.r.l.
Turin
Italy
☎ +39 011 9348888
info.it@dopag.com

DOPAG FAR EAST
SDN BHD
Selangor
Malaysia
☎ +60 3 78064564
info@dopag.com.my

DOPAG Sverige
Malmö
Sweden
☎ +46 40 108595
info@dopag.dk

The Hilger u. Kern / Dopag group, with more than 300 employees,

7 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.