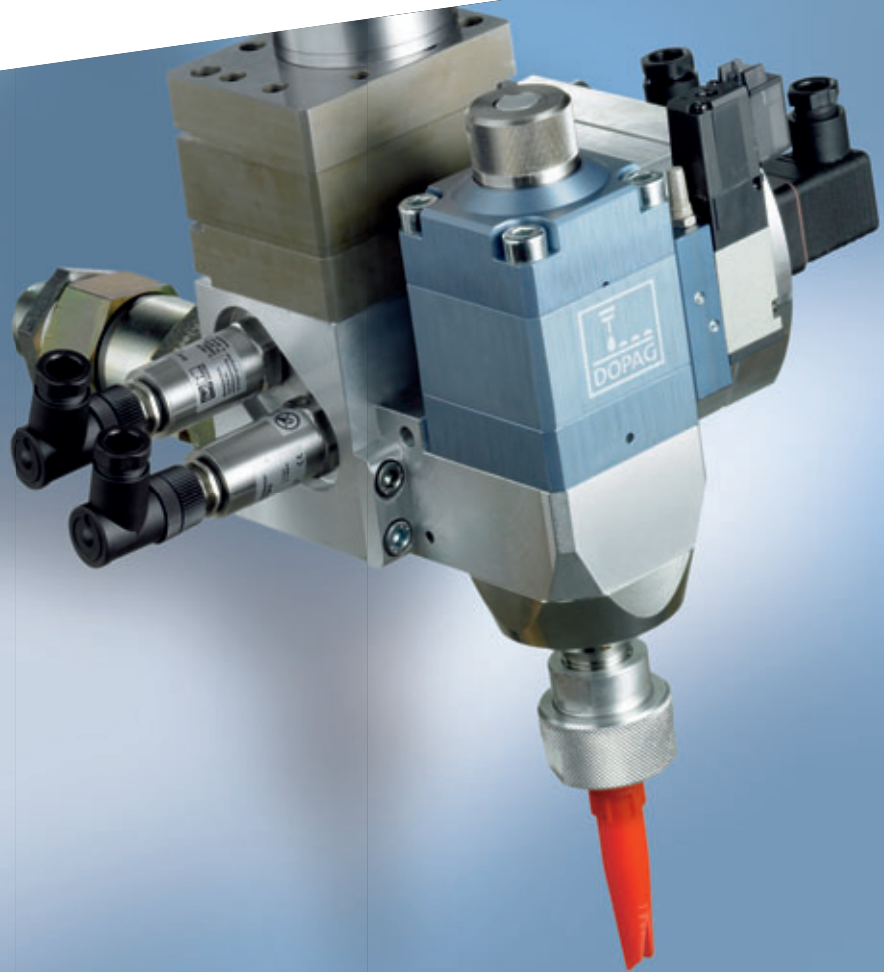


Metering Technology



modis[®]

Modular Dynamic Dispense System

The future of metering technology has started



Hilger u. Kern / Dopag Group

modis[®]

Modular Dynamic Dispense System

With modis, the Hilger u. Kern / Dopag Group offers a highly dynamic metering system for single component adhesive and sealant applications.

For operators, modis offers a completely new vision of a more effective and economical production process.

Dynamic, flexible...

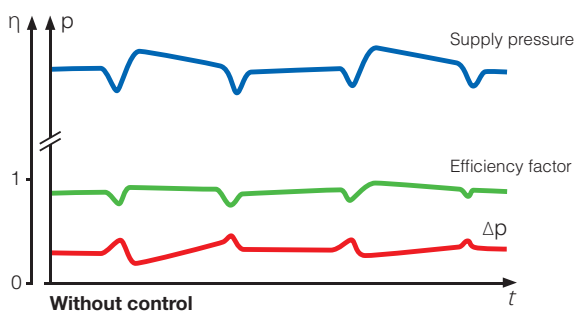
Application areas

- White goods
- Electrical
- Aerospace
- Defence technology
- Medical technology
- Construction
- Automotive



Advantages compared to other metering systems

- Highly dynamic metering principle
- High metering accuracy, min. +/- 1 %
- First-in-first-out metering principle
- High machine capability, typical cmk > 5
- Volumetric efficiency factor = 1
- No shot size limit
- Variable output rate and system power within a range of 1 to 100 %
- Precise flow measurement with elective confirmation
- Valve drive hermetically sealed from the atmosphere
- Compact size and minimised weight
- Modular construction
- Integration into existing systems e.g. material supply possible



System choice

- Materials:
 - Epoxies, Polyurethanes, MS-Polymers, Butyls, Silicones, Polysulphides, others on request
- Material characteristics:
 - Viscosity: medium to high viscosity, stable, flowable materials on request
- Flow rates:
 - 120, 600 or 1500 cm³/min. in a power bandwidth within 1 to 100 %
 - Proportional to the application speed
- Fillers:
 - Abrasive up to MOHS hardness 6
 - Processing temperature: RT up to 80°C
- Supply from 20l to 200l drum
- Automation:
 - Application with robot or automated systems
 - Nozzle fixed or movable
 - Required load carrying capacity of the automated system
 - > 20 kg (Model 1.2 and 6 cm³/U)
 - > 30 kg (Model 15 cm³/U)

Technical data

Metering volume [cm ³ /U]	1.2	6	15
Flow rate [cm ³ /min]	120	600	1500
Weight [kg]	15	15	22
Material supply	P30, P80, P200		
Material supply Optional	heated, oversized rams, tandem		
Working pressure/ Maximum pressure [bar]	160/200		
Viscosity range	medium to high viscosity, stable		
Material characteristics	Fillers up to MOHS hardness 6		

... highly efficient.





... trend-setting.



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
☎ +49 171 8087282
VBMitte@hilger-kern.de

Vertriebsbüro Mitte 2
68167 Mannheim
☎ +49 171 8087299
VBMitte@hilger-kern.de

Vertriebsbüro Nord
30880 Laatzen
☎ +49 171 8087290
VBNord@hilger-kern.de

Vertriebsbüro Ost
99831 Creuzburg
☎ +49 171 8087303
VBOst@hilger-kern.de

Vertriebsbüro Süd
86391 Stadtbergen
☎ +49 171 8087285
VBSued@hilger-kern.de

Vertriebsbüro West
46238 Bottrop
☎ +49 171 8241397
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
Roskilde
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

DOPAG Inc.
Los Angeles
USA
☎ +1 949 955 1008
rbartosik@dopag.com

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.