

## Product information

# Piston dispensing pump KDP

Precise dispensing independent of fillers and viscosities



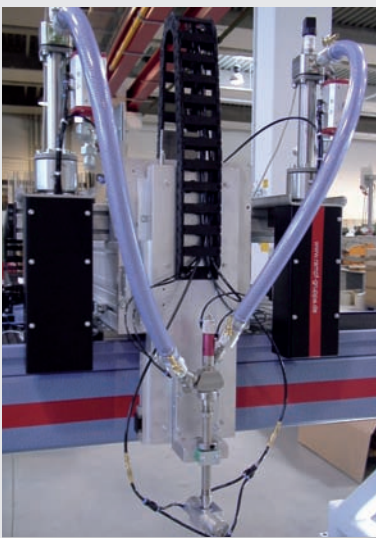
### Your advantages

- » **Variable dispensing amounts and times**
  - Freely programmable dispensing parameters via the controls
- » **Various chamber volumes**
  - Optimum adjustment to the process conditions
  - Flow-optimised discharge valve for complete emptying
- » **Low maintenance**
  - Standard seals on material piston
  - Simple construction
- » **Intelligent drive system**
  - Variable discharge rates
  - Fast filling time
  - Electrical and electro-hydraulic drive systems
- » **Process monitoring**
  - Pressure monitoring in the material chamber to monitor the dispensing process to preset a pressure level to detect trapped air (optional)

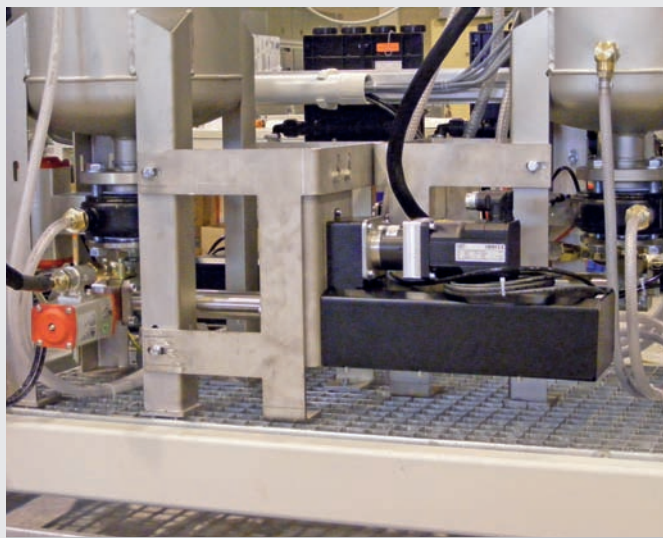
# Piston dispensing pump KDP

## Product details

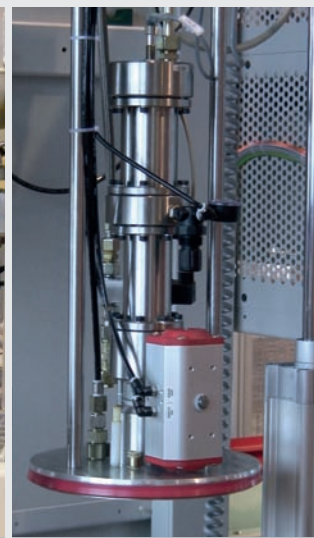
The piston dispensing system works according to the principles of volumetric forced dispensing. It dispenses to a large extent independently of pressure and viscosity with high precision materials ranging from the viscosity of water to materials with very high viscosity. RAMPF piston dispensing systems are suitable for dispensing low to highly filled materials, independent of the abrasiveness of the fillers. Similarly, pressure and shear-sensitive materials can be dispensed gently. The servo-drive technology allows a variable rate of material discharge, so that all mixing ratios can be adjusted. The optimal adjustment to the process conditions is completed by two transmission principles – servo-electric or servo-hydraulic.



2-component E-KDP with static mixer



E-KDP directly attached to the material tank



H-KDP directly on follower plate

## Technical data (subject to alterations, status August 2008)

	E-KDP 63	E-KDP 160	E-KDP 250	H-KDP 34	H-KDP 250
Dispensing volume max.	63 ccm <sup>3</sup>	160 ccm <sup>3</sup>	250 ccm <sup>3</sup>	34 ccm <sup>3</sup>	250 ccm <sup>3</sup>
Accuracy +/-*	5 mm <sup>3</sup>	13 mm <sup>3</sup>	20 mm <sup>3</sup>	5 mm <sup>3</sup>	16 mm <sup>3</sup>
Min. dispense rate*	approx. 20 mm <sup>3</sup> /sec	approx. 50 mm <sup>3</sup> /sec	approx. 80 mm <sup>3</sup> /sec	approx. 5 mm <sup>3</sup> /sec	approx. 20 mm <sup>3</sup> /sec
Viscosity range	20–200.000 mPas	20–200.000 mPas	20–200.000 mPas	20–200.000 mPas	20–200.000 mPas
Max. pressure	400 bar	150 bar	100 bar	400 bar	150 bar
Weight	approx. 20 kg	approx. 22 kg	approx. 23 kg	approx. 17 kg	approx. 24 kg

\* measured with spindle oil

Version 2008/10 · Subject to change. Errors excepted.

Headquarters  
**RAMPF Dosiertechnik GmbH & Co. KG**  
 Römerallee 14  
 D-78658 Zimmern o. R.

T +49 (0) 741 2902-0  
 F +49 (0) 741 2902-2100  
 E info@rampf-dosiertechnik.de  
 www.rampf-dosiertechnik.de



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