

# dos piston

the all-rounder  
of dispensing.

Material potting from 0.1 ml to 106 ml.



## intelligent system control

- Robust analogue and digital precision sensors
- Complete information on system status available at all times
- Continuous process monitoring

## easy system integration

- Modular structure: rapid change and exchange of valves
- Simple configuration of preset dispenser sizes
- Secure integration of exchange-proof assembly concepts

## flexible mixing ratio

- Pre-set via standardised mechanical piston diameters
- Continuous fine adjustment of the mixing ratio via two separate motors and software-based finetuning

## innovative construction with easy maintenance

- Maximum ease of maintenance through simplified change of membranes
- Maintenance in a few simple steps with easily accessible components
- Designed on the poka-yoke principle

# the innovations of dos piston



## Flexible control of the mixing ratio

The **dos piston** has two motors, one for each mixing component. This allows fine adjustment of the material mixing ratio (e.g. resin and hardener) via the software-based individual control of the two motors.

The advantages: Maximum flexibility and easy handling.

## Sensors and control software

An evaluation of the encoder data enables a reliable prognosis of the status of important parameters. The pot life of each potting material is automatically stored by software to trigger an automatic warning message if the time is exceeded or a flush shot is taken.

## Flushing liquid

The cylinder is automatically flushed with every stroke to prevent deposits on the cylinder wall and wear on the valves/seals.

## Flow-optimized material transport

All material guides in the **dos piston** have been flow-optimized so that potting material can flow trouble-free and with high performance at every point.

## Replaceable dispensing head

The **dos piston** dispensing head can be separated from the lifting unit in just a few simple steps to enable quick maintenance and cleaning work.

## Mixing tube with feed screw

A mixing tube with a feed screw is attached at the dispensing outlet to ensure the homogeneous mixing of the components of the potting materials.

## Optional functions:

Equipment for abrasive media

## technical data

| Variant            | M                  | L                  | M - A (alternating) | L - A (alternating) |
|--------------------|--------------------|--------------------|---------------------|---------------------|
| Dispensing volume* | 0.1 to 43 ml       | up to 106 ml       | continuous          | continuous          |
| Material viscosity | All viscosities    |                    |                     |                     |
| Dimensions (lxwxh) | 110 x 165 x 660 mm | 130 x 200 x 775 mm | 155 x 275 x 695 mm  | 185 x 355 x 810 mm  |
| Weight             | 12.4 kg            | 16.3 kg            | 28.2 kg             | 39.8 kg             |

\*(Mixing ratio 1:1 2C)

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