

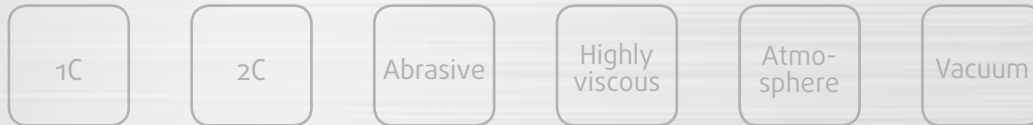


SCHEUGENPFLUG AG  
METERING AND DISPENSING TECHNOLOGY

Metering and Dispensing Systems 04 | 13

# VOLUMETRIC PISTON DISPENSER Dos P

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## PROCESS RELIABILITY

Rugged mechanical construction in a modular design

Metering accuracy is independent of temperature, pressure and resin viscosity

Exact metering and defined reaction time through separate metering and mixing

## PRECISION

Stable mechanical setting of the dispensing volumes and of mixing ratios determined by the size and volume of the metering cylinders

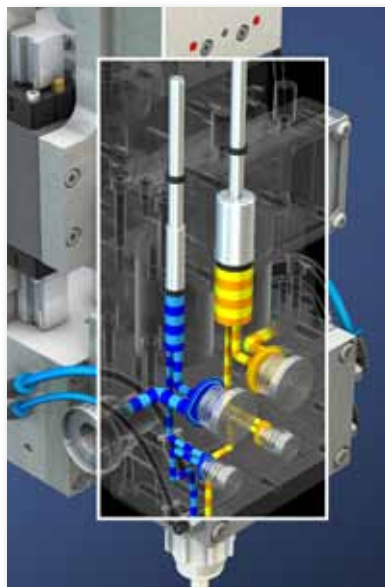
Consistently homogeneous mixing obtained by simultaneous discharge of the metering cylinders

## ANTI-WEAR TECHNOLOGY

Rinsing of seal and cylinder inside wall with every stroke of the piston

Ongoing removal of abrasive product residues

# VOLUMETRIC PISTON DISPENSER Dos P



Function principle of material flow in the piston dispenser two components, 1 nozzle

Piston dispenser Dos P two components, 1 nozzle



## VOLUMETRIC PISTON DISPENSER Dos P

### High-Precision Dispenser With Reliably Constant Mixing Ratio for Ultimate Process Reliability.

The piston dispenser Dos P is a volumetric dispensing system designed to work with one or two component dispensing materials. Depending on the desired dispensing volumes and mixing ratios, metering cylinders with the exact sizes and volumes are available. When two component materials are used, the mixing ratio is kept constant by emptying both cylinders absolutely simultaneously into the mixing tube. As a result, reaction time, or pot life, starts at this very moment. The two components are thoroughly mixed inside of the static mixing tube. The dispensing medium available at the outlet is always perfectly homogeneous.

The seal and the cylinder inside walls are cleaned with a rinsing liquid each time the piston strikes, which removes aggressive product residues. This effectively minimises soiling and wear and tear of machine parts. At the same time, the adverse effects of atmospheric moisture are kept at bay.

#### Used for | Materials:

- One and two component
- Liquid to highly viscous
- Non-abrasive to highly abrasive
- Non-filled to highly filled

Also suitable for materials sensitive to moisture.

#### Usage:

Potting, filling, applying, sealing, bonding, fastening, coating.

Protection against moisture, dust, mechanical stress, heat management in the production of electrical or electronic components, solar/photo-voltaics, medical engineering, etc.

#### Equipment:

- Lifting mechanism with stepper motor and linear guide
- Machine parts in contact with dispensing material: resin and hardener cylinders, valves, etc.
- Piston monitoring
- Inspection glass to check the rinsing liquid level

#### Optional:

- Valve monitoring
- Mixing tube heating
- Dispenser heating
- Multiple dispensing

#### Multiple piston metering system

- Multiple functionally interconnected single dispensers
- Each single dispenser is equipped with separate inlet-/outlet valves and monitoring sensors
- One common ejector facility guarantees perfectly simultaneous operation
- Perfectly accurate dispensing, long service life – regardless of how many single outlets are used

Product variant:  
Piston dispenser  
for vacuum dispensing  
two components, 8 nozzles





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