

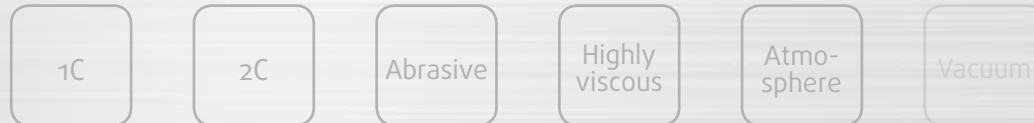


SCHEUGENPFLUG AG  
METERING AND DISPENSING TECHNOLOGY

Metering and Dispensing Systems 04 | 13

# DISPENSERS FOR SMALL AND MICRO QUANTITIES Dos Jet | Dos JetPMU

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## ULTIMATE SPEED

Dispensing frequencies of up to 1000 Hz

## ULTIMATE PRECISION

Touch-free, three-dimensional dispensing

Flexible metering volumes

Regular drop topography which can be adjusted to requirements

## LOW PROCUREMENT AND OPERATING COSTS

# DISPENSERS FOR SMALL AND MICRO QUANTITIES

## Dos Jet | Dos JetPMU

### Electropneumatic jet dispenser Dos Jet

An electropneumatic drive pushes the dispensing pistons downward; the valve is closed when idle (NC).

- Dispensing quantity 2 to 500 nl (= 0.000002 - 0.0005 ml)
- Dispensing frequencies of up to 280 Hz
- Handles viscosities up to 200,000 mPas

#### Equipment:

- Direct valve control in 24 V DC
- Adjustable piston dynamics
- Interchangeable dispensing pistons



*Dos Jet with electropneumatic drive*

### Piezo controlled jet dispenser Dos JetPMU

The metering pistons are pushed downward by piezo control with every stroke.

- Dispensing quantity 2 to 10 nl (= 0.000002 - 0.000010 ml)
- Dispensing frequencies of up to 1000 Hz
- Handles viscosities up to 2,000,000 mPas

#### Equipment:

- Electronic control valve
- Valve contains chip for monitoring purposes
- Encoded valve connectors



*Piezo controlled Dos JetPMU*

1C

2C

Abrasive

Highly viscous

Atmosphere

Vacuum

## DISPENSERS FOR SMALL AND MICRO QUANTITIES Dos Jet | Dos JetPMU

### High-Precision Metering Systems for Dispensing of Smallest and Micro Quantities.

For smallest quantities in the nanolitre range, the dispensing systems Dos JetPMU and Dos Jet offer extremely high dispensing precision and speed. Opening and closing of the valves is controlled electronically or pneumatically in the two systems. To keep change-over times as short as possible, a plug&play principle is applied. The use of cartridges and simple threaded connections keeps reloading of the dispensing material fast and clean.

#### Used for | Materials:

- One component or ready-mixed (2C)\*
- Liquid to highly viscous
- Non-abrasive to highly abrasive
- Non-filled to highly filled

\*2C mixed by Scheugenpflug immediately prior to dispensing.

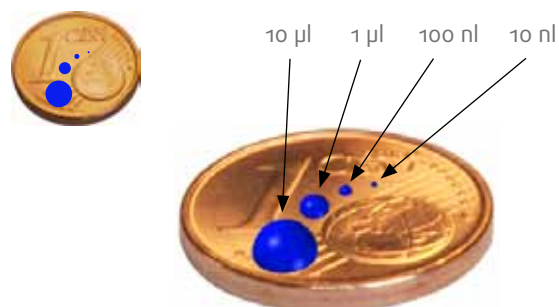
#### Usage:

Gluing, marking, microscopic applying, precision metering for electronic components and assemblies such as SMD LEDs, cup capacitors, semi-conductors, micro transformers and coils, solar panels, optical and medical types of use. Used in mechanical engineering, in the automotive and furniture industries as well as in the cosmetics and packaging industries.

#### Optional:

- Multi-nozzle dispensing
- Models with different capacities to suit requirements in dispensing quantity and dispensing material viscosity
- Nozzle heating

#### Size Comparison



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