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TECHNOLOGY

# ESP 400

## ESP dispenser system

Dispenser ESP

German / **English**

Subject to change - 28.03.2024

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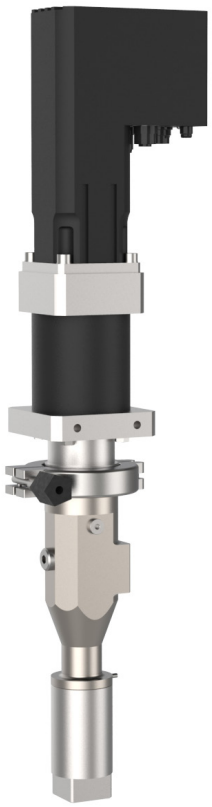
## Functional description

The dispenser system enables a gentle and pulsation-free flow of the material independent of viscosity fluctuations in variable directions.
The precise dosing with a repeatability above 99 % prevents material accumulations when starting and stopping.
There is no dripping or stringing due to a controllable pullback.
The speed control is electronic. A digital interface, field bus or dosing control with a comfortable visualization controls the dispenser.



Picture shows basic configuration. Deviations are possible due to technical design.

## Product characteristics

- ✓ Valveless, volumetric conveying
- ✓ Simple assembly and disassembly
- ✓ No dripping or stringing due to controllable repeatability
- ✓ Endless dosing – no filling of the piston necessary
- ✓ Variable flow directions (use for conveying and dosing)
- ✓ Suitable for processes such as cleaning, priming, sealing
- ✓ Precise dosing with a repeatability above 99 %
- ✓ Gentle and low-pulsation flow
- ✓ Point and bead dosing without material accumulations when starting and stopping
- ✓ Long service life and low maintenance costs
- ✓ Stainless steel finish, heating (optional)

## General technical data

| | |
|---|---|
| Dimensions (WxDxH) | 114 mm x 83 mm x 515 mm |
| Mass | 4,6 - 7 kg |
| Operating voltage | 230 V AC |
| Power | 400 W |
| Max. temperature | 70 °C |
| Inlet pressure | 4,5 - 8 bar |
| Application pressure | max. 20 bar |
| Flow constant | 2,4 ml/r |
| Min. flow rate | 2,4 ml/min |
| Max. flow rate | 400 ml/min |
| Rated speed | 3000 rpm |
| Rated torque | 1,28 Nm |
| Material connection | G 1/2" (Inlet), G 3/8" (Outlet) |
| Housing material | SS |

## Conveyable materials

- PVC and other sealants
- Fats and lubricants
- Pasty coating materials
- Sealing materials
- Silicones and urethanes
- Epoxy resins and acrylates
- Potting compounds
- Anaerobic adhesives
- Solder pastes
- Colours, varnishes, colour pastes
- Additives
- Suspensions and emulsions

## Processible product characteristics

- Low to medium viscosity
- Highly filled
- Abrasive
- Shear sensitive
- Aggressive

## Technical drawing