# *Mikro-Dosing Pump*

**Model: D-DOP4**

**Article-no.:0028**

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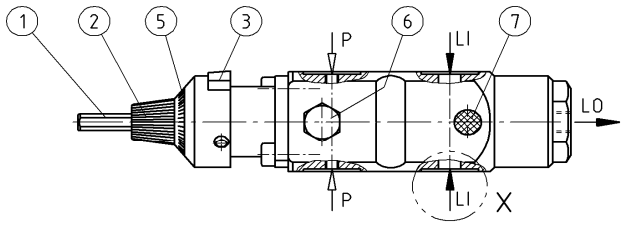
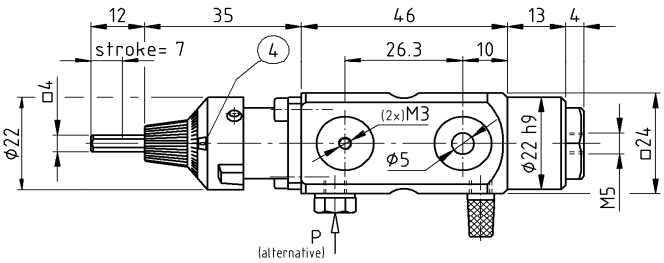
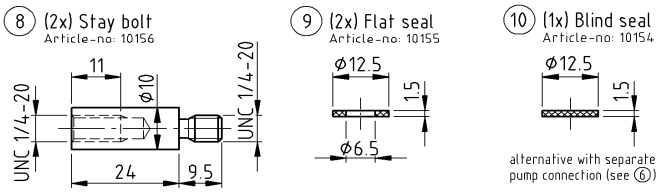
## Displacement pump for industrial and process engineering use.

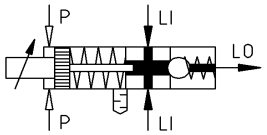
- Easy assembly by connection kit. Tower-type interlinkage possible. (see data sheet D-ABS1)
- Volumetric metering principle
- Liquid gravity feed
- High precision metering
- Exact reproducibility of output
- Wide field of viscosities
- Wide range of throughput
- High manometric pressure
- Minimal wear
- Compact dimensions
- Optional with pulse compensator



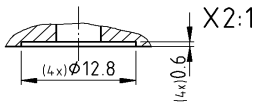

Attachments for tower-type interlinkage (included in delivery):



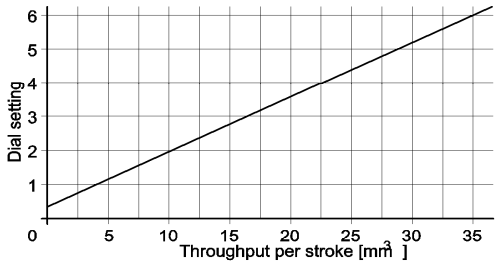



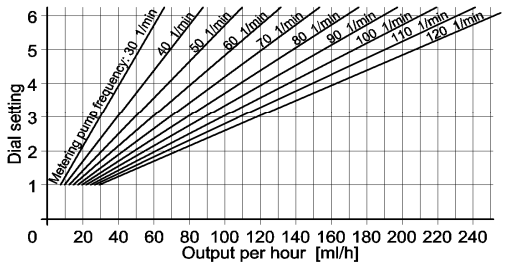

LI : Liquid intake (Flat seal)
LO: Liquid outlet (M5)
P : Pneumatic connector (Flat seal)

1. Pestle for manual use
2. Adjustment knob for throughput
3. Adjustment lock
4. Scale (dial setting:1 to 6 turns)
5. Fine scale (each unit 0,02)
6. Blank plug/ alternative: pneumatic connector (M5)
7. Silencer




Theoretical data:




## Technical data:

| | | | |
|---|---|---|---|
| Max. throughput: | 35 mm³/Stroke (see graph) | Compressed air supply: | 4 - 6 bar |
| Max. output: | 250 ml/h (see graph) | | 50 - 150 l/min |
| Max. manometric pressure[1]: | 67 bar ( at 4 bar compressed air) | | Oil-free and filtered, 10µm |
| | 100 bar (at 6 bar compressed air) | Materials in contact with liquid[3]: | CuZn38Pb2 (Nickel-plated) |
| Max. liquid feed pressure: | 4,5 bar | | FKM (Viton) |
| Max. pump frequency: | 120 1/min [2] | | 1.4310 (Stainless steel) |
| Field of viscosities: | 1 - 10.000 mPas | Other materials: | NBR |
| Operating temperature: | -20 to 65 °C | | POM |
| Weight (incl. attachments): | 302 g | | steel, galvanized |

1) Counterpressure on the liquid outlet has to be guaranteed during operating pump. Therefore we recommend hose sizes as follows: inner-diameter ø1 to ø1,5mm / length >500mm.

2) In some fields of application a higher pump frequency (i.e. >200 1/min) is possible. Consultation necessary!

3) Customized variations in materials possible after consulting.