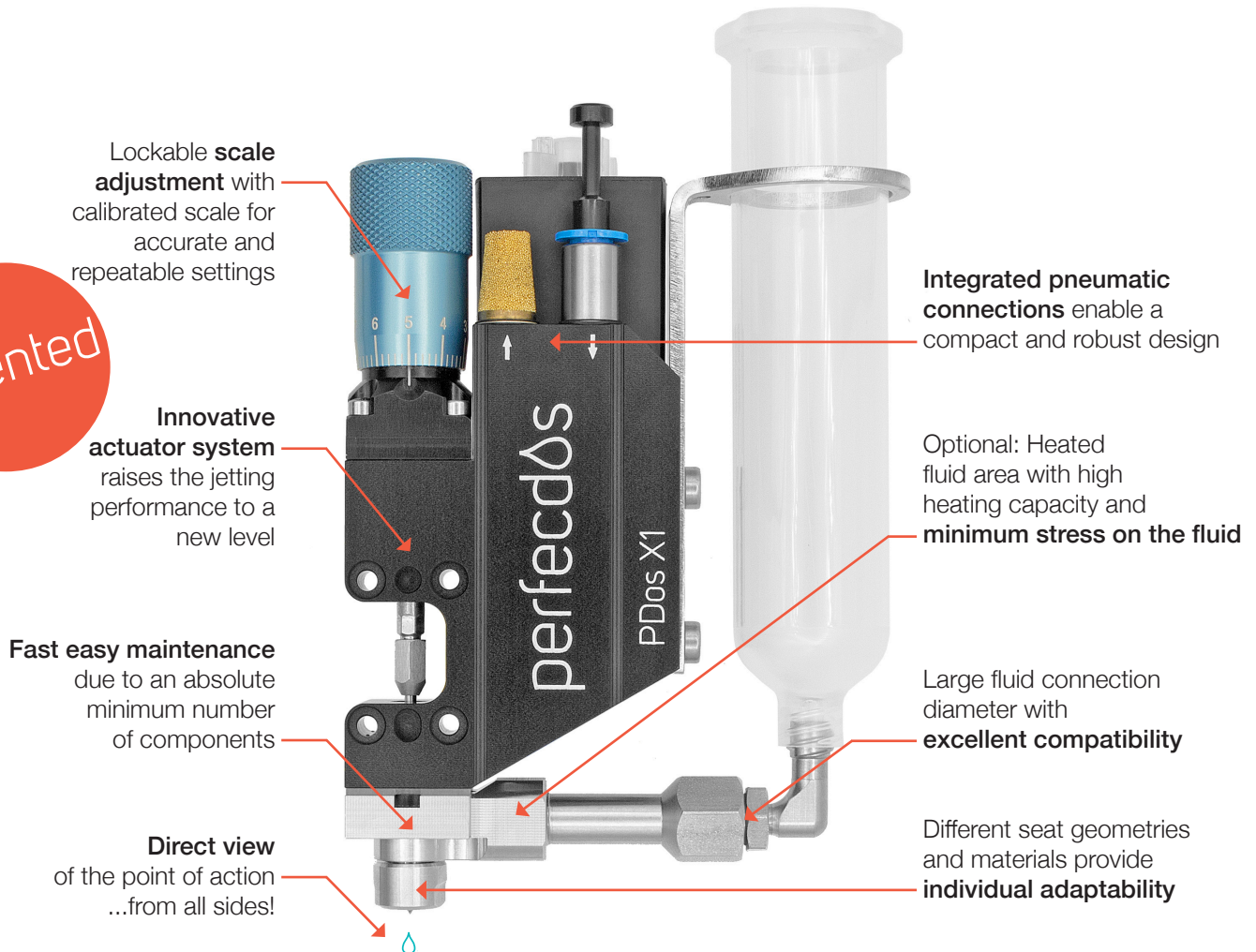


# PDos X1

## Micro Dispensing Jet Valve

**Perfectdos PDos X1** is an electro-pneumatically driven **high-performance micro dispensing valve** for contactless application of low to high viscous fluids. The **innovative, patented actuator system** overcomes previous limitations which enables smaller dispensing volumes and higher fluid viscosities – both at the same time. In practice, this improves process stability or just enables the reliable application of many critical materials. Well-engineered detail improvements simplify the operation of the dispensing system and increase the system functionality. These advantages make the **PDos X1** an **economical and highly efficient production tool** which has been achieved through consistent ongoing product development.



### Technical Data

|                   |                                     |                        |  |
|-------------------|-------------------------------------|------------------------|--|
| Product name      | PDos X1                             | Viscosity              | 0.5 - 500.000 mPas                         |
| Type of drive     | electropneumatic                    | Dosing accuracy        | > 98 %                                     |
| Type of operation | normally closed (NC)                | Lifetime               | > 100 Mio. Cycles                          |
| Operating voltage | 24 VDC                              | Material pressure      | maximum 100 bar (1450 PSI)                 |
| Pulse length      | from 1.9 ms                         | Material connection    | G1/8 internal thread                       |
| Dosing frequency  | up to 300 Hz continuous             | Heater temperature     | up to 100 °C (212 Fahrenheit)              |
| Working pressure  | 4 - 8 bar (55 - 115 PSI)            | Dimensions (W x L x H) | 20 x 53 x 126 mm (0.79 x 2.09 x 4.96 inch) |
| Dosage volume     | from 1 nL (droplet-Ø: from 0.25 mm) | Weight                 | 330 g (0.728 lb)                           |