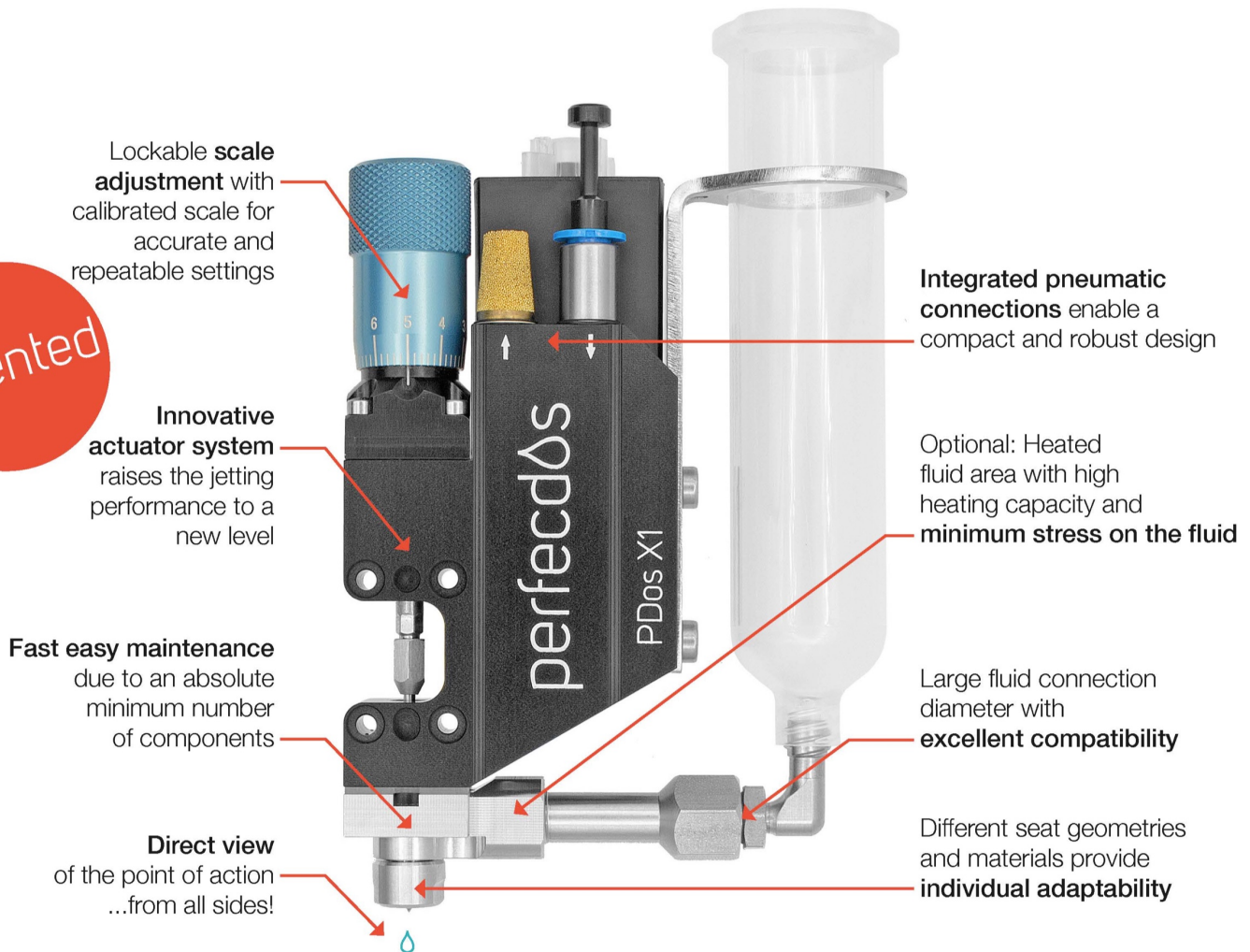


PDos X1

Micro Dispensing Jet Valve

Perfecdos 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) |

