



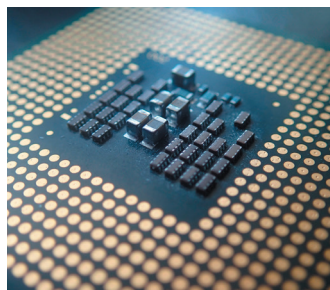
**Pneumatic Micro-Dispensing Series**

- Dynamic Shockwave Technology (DST)
- Integrated heating system
- Integrated nozzle heating
- Setup without adjust
- High performance

**Piezo Micro-Dispensing Series**

- High-speed piezo motor
- For very low to high viscosities
- Most advanced framing technology
- For precise, high-speed production processes
- Exceptional resistance to breakage and elongation

**Two product families for a wide range of applications!**



**The official and exclusive representative of VERMES Microdispensing in Switzerland**



**Basic technical data of the pneumatic micro-dispensing valves series 15XX  
(Currently two different valve sizes available)**

Dosable Media* *powder and solids not dosable	All media from aqueous solutions to solder paste
Min. Dispensing volume	< 1.0 nl per pulse (depending on the medium)
Viscosity range	Low, medium, and high viscosity, up to 2'000'000 mPa·s
Frequency	Max. 700 Hz (short-term)
Standard interface	RS-232C; PLC 24V/5V
Weight	390 g
Dimensions	Variable from type to type. Please request specific data sheet Illustrated example: H 100 mm x D 35 mm x W 90 mm
Power supply	110/230 VAC, 50/60 Hz to 24 VDC, 4 A max.



**Basic technical data of the Piezo micro-dispensing valves series 3XXX  
(Currently five different valve sizes available)**

Dosable Media* *powder and solids not dosable	All dosable low, middle and high viscous products, same as Oils, greases, adhesives, chemicals, food, medicins, SMT conductive glues, silicones, LED-phosphor, hot melts, solder pastes, etc.
Min. Dispensing volume	Minimum 0.8 nl per pulse (depending on medium)
Viscosity range	1 to 2'000'000 mPa·s Depending on Dispensing Valve Type
Frequency	Up to 3000 Hz depending on dispensing valve type and media
Standard interface	RS-232C; 24V/5 V PLC, AUX
Weight	250 g
Dimensions	Variable from type to type. Please request specific data sheet. Illustrated example: H 103 mm x D 39,5 mm x W 15 mm
Power supply	110/230 VAC, 50/60 Hz