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# DISPENSING VALVES

## Product Description

**JET-8600** is a high speed jet dispensing valve for non-contact jetting with compact size, long life, high accuracy, high speed, and simple maintenance. Jetting offers both speed and accuracy, and eliminates contamination and material waste associated with conventional methods. In the jetting process, the jet moves in an X, Y axis to dispense a variety of pre-programmed patterns.

**TDS-25** Radial slider valve is a fast, non-contact jet valve that precisely dispenses viscosities up to 500,000 cps, while its unique diaphragm design saves time and money. It comes with compact size, long life, no residual pressure, and low maintenance. It is suitable for paste or similar dispensing, coating, and pouring. Dispense material with metal particles such as solder paste or phosphor powder with precise dispensing results.


**SV-05** Fast detachable screw valve is available in a luer lock design allowing different needle sizes to work with several different fluid types. It optimizes dispensing accuracy by optimizing screw pitch to suit liquids of 5K-200K cps viscosity, such as: solder paste, surface mount adhesive, and UV adhesive etc.



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## Specifications :

Dispensing Valve			
Model	JET-8600	TDS-25	SV-05
Structure	Pneumatic Jetting Valve	Slide Valve	Screw Valve
Weight	585 g	300 g	330 g (not including plastic tube)
Operating medium	Filtered oil-free dry compressed air (Recommended to under under 40 μm)		-
Operating pressure	≥ 0.6 MPa	≥ 0.5 Mpa	-
Fluid pressure	0 – 0.3 MPa	0 – 0.5 Mpa	0 – 0.4 Mpa
Maximum operating frequency	250 Hz	10 Hz	-
Minimum dispensing Diameter	0.35 mm (0.013")	0.2 mm (0.007")	0.5 mm (0.019")
Highest heating temperature	80 °C	-	-
Viscosity range	0 – 300K cps	100 – 1,500K cps	5K – 200K cps
Driving	High speed solenoid valve	High speed solenoid valve	DC brushless motor
Fluid inlet	Luer lock		
Applied fluid	SMT adhesive, Conductive silver paste, IC encapsulation adhesive, Underfill, Sealant adhesive, Surface coating adhesive	SMT red adhesive, Solder paste	Solder paste, Die adhesive, SMT adhesive, Dwo-component chip packaging adhesive, UV adhesive
Features & Benefits	The wetted parts are detachable for easy cleaning and maintenance	The advantages include fast feeding speed, high accuracy and long maintenance cycle	It can achieve precise extrusion and uniform dispensing. The fast detachable wetted part is suitable for a fluid containing particles
Main application fields	Electronic Packaging Industry, Lighting Industry, Automobile Industry, Packaging Industry, Medical Industry, Energy Industry		