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# COATING VALVES

## Product Description

**DJ-01** Needle Dispense Valve is a versatile dispensing valve for single component bead, dot, potting, conformal coating or encapsulation projects. The DJ-01 is most commonly used in conjunction with the SA-W5 to conformal coat complex areas of circuit boards that are hard to reach and require a higher degree of accuracy. The DJ-01 accepts a wide range of tips from 0.2 – 2 mm (0.007” – 0.078”).

**SA-W3** Needle Atomization Valve is a highly versatile conformal coating applicator that supports a wide range of fluid viscosities and is ideal for solvent or solvent less fluid formulations. It is specifically optimized to atomize coating fluids delivering exceptional edge solventless and thin, uniform coating thicknesses at increased speeds.

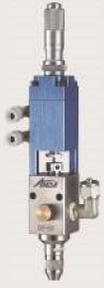
**LA-W30** Wide Spray Valve is a fan-shape spray nozzle. This selective conformal coating spray valve provides a repeatable, concentrated coating film with fan pattern widths ranging from 15 – 50 mm (0.59” – 1.97”).

**SA-W5** Cone Spray Valve for conformal coating is the workhorse of the Anda conformal coating nozzles. The SA-W5 can coat up to 80-100% of circuit boards depending on their complexity. It provides a repeatable, concentrated conformal coating film in a fine, circular pattern with coating widths ranging from 4 - 12 mm (0.15” – 0.472”).

**IC-100L** Film Coating Valve provides precision and dependability to the application of conformal coating materials. With a transfer efficiency of virtually 100 percent, the film coater applicator improves conformal coating utilization.



## Specifications :

Coating Valve					
Model	DJ-01	SA-W3	LA-W30	SA-W5	IC-100L
Structure	Needle Dispense Valve	Needle Atomization Valve	Wide Spray Valve	Cone Spray Valve	Film Coating Valve
Weight	260 g	280 g	260 g	280 g	520 g
Operating medium	Filtered oil-free dry compressed air (Recommended to filter under 40µm)				
Operating pressure	0.5 Mpa	0.5 Mpa	0.5 Mpa	0.5 Mpa	0.55 Mpa
Fluid pressure	0 – 0.5 Mpa	0 – 0.5 Mpa	0 – 0.5 Mpa	0 – 0.5 Mpa	0 – 0.3 Mpa
Viscosity range	0 – 20,000 cps	0 – 3,500 cps	0 – 3,500 cps	0 – 3,500 cps	< 100 cps
Driving	Pneumatics				
Applied fluid	Underfill, UV adhesive, Silica gel, Epoxy adhesive, Surface coating adhesive.	Acrylic series, silicon series, UV adhesive	Acrylic series, Silicon series, Epoxy series, UV adhesive	Acrylic series, Silicon series, Epoxy series, UV adhesive	Conformal coating materials with viscosities less than 100 centipoise
Features & Benefits	It is driven by compressed air. The special fluid sealing structure reduces the frequency of changing the sealing ring, and is of the features of long service life and fast maintenance. It is suitable for multiple fluids.	It uses two-way pneumatic on-off valve and the structure of internal shunt and diversion to precisely control the coating amount. The special fluid sealing structure reduces the frequency of changing the sealing ring, and is of the features of long service life, and fast maintenance.	The protruding needle design can actually achieve zero residual, easy cleaning without disassembly. Coating thickness of solvent coatings can reach 10-200 microns. Coating thickness of 100% solid content of coatings can reach 100-200 microns. The amount of liquid and air pressure can be adjusted arbitrarily to meet the perfect atomization effect of multiple coatings.	The protruding needle design can actually achieve zero residual, easy cleaning without disassembly. Coating thickness of solvent coatings can reach 10-200 microns. Coating thickness of 100% solid content of coatings can reach 100-200 microns. The amount of liquid and air pressure can be adjusted arbitrarily to meet the perfect atomization effect of multiple coatings.	Wet coating thicknesses range from 125 to 750 µm (0.5 to 3 mils) for solvent-based materials and 0.1 to 0.2 mm (4 to 8 mils) for 100-percent solid materials. The IC-100L heated, circulating fluid system provides closed-loop temperature control and allows viscosities to remain independent of the ambient environment.
Main application fields	Electronic Packaging Industry, Lighting Industry, Automobile Industry, Packaging Industry, Medical Industry, Energy Industry				