Atomizing Spray Flux Applicator
Rapid Flux Application for Selective Soldering

Features and Benefits

- Ideal for mass application of flux to printed circuit boards that will be cleaned after selective soldering
- Compatible with a full spectrum of flux chemistries and can operate flawlessly with up to 35% solids content
- Low-volume, low-pressure spray valve for high transfer efficiency with minimal overspray
- Spray flux applicator is simple to use and is capable of operating millions of cycles without maintenance
- Periodic cleaning of spray flux applicator is accomplished by purging with appropriate solvent

Overview. The Atomizing Spray Flux Applicator is designed for low-volume, low-pressure application of liquid flux with high transfer efficiency and minimal overspray or airborne mist. The Atomizing Spray Flux Applicator is easy to use and will operate for millions of cycles without maintenance. Periodic cleaning of the spray flux applicator is accomplished by purging with the appropriate solvent.

The amount of flux sprayed is controlled by the value open time, reservoir air pressure and needle stroke. The area of spray coverage is determined by the nozzle size and the distance between the spray valve nozzle and substrate surface.

Integrated Solution. The Atomizing Spray Flux Applicator fully integrates with closed-loop process controls embedded in Nordson SELECT’s SWAK-OS 4.0 software providing seamless operation for your selective soldering process. Nordson SELECT’s closed-loop process controls enable successful results for a full range of soldering applications and ensures stable and repeatable results for high-yield production.

Experience. With over a decade of selective soldering experience and more than a thousand systems currently in production, Nordson SELECT is committed to providing innovative solutions for all selective soldering needs. Our global support network, including state-of-the-art application development labs, provides customers with world-class know-how and application expertise.
Atomizing Spray Flux Applicator

Compatible Flux Chemistries
Alcohol-based fluxes
Water-soluble fluxes
Rosin-based fluxes
High solids content fluxes

Specifications
Nozzle opening size: 0.36 mm standard
Spray area coverage: 6-12 mm (adjustable)
Practical deposition distance from solder site: 12-55 mm
Max. solids content: 35%

Application Note
The Atomizing Spray Flux Applicator is not recommended for no-clean processing. The Nordson SELECT FluxJet Precision Drop-Jet Flux Dispenser should be used when printed circuit boards will not be cleaned after selective soldering.

A FluxJet Precision Drop-Jet Flux Dispenser can be integrated side-by-side with a standard Atomizing Spray Flux Applicator to create a dual fluxing system capable of both site-specific flux deposition and mass flux application.

Dual flux heads, drop-jet and atomizing spray

Compatible with Novo® 102, 103, Cerno® 102IL, 103IL, 105IL, Integra® 103ILD and Flux & Preheat models

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