

# Atomizing Spray Flux Applicator

## Rapid Flux Application for Selective Soldering

### Features and Benefits

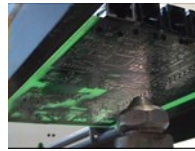
- Ideal for mass application of flux to printed circuit boards that will be cleaned after selective soldering
- Compatible with a full spectrum of flux chemistries and can operate flawlessly with up to 35% solids content
- Low-volume, low-pressure spray value for high transfer efficiency with minimal 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 valve 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.



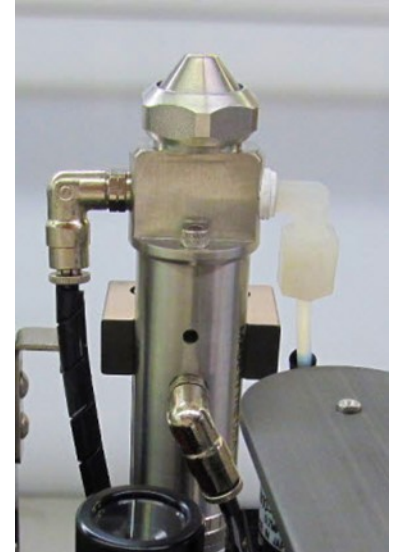
Mass application of flux to printed circuit board



Mass flux application



Easy solvent purge cleaning



**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 drop-jet and atomizing spray flux heads

For more information, speak with  
your local representative or  
contact your regional office.

**Nordsonselect.com**

### North America

#### Headquarters

Liberty Lake, WA, USA

+1.509.924.4898

[sales.usa@nordsonselect.com](mailto:sales.usa@nordsonselect.com)

### China

Email:

[info.cn@nordsonselect.com](mailto:info.cn@nordsonselect.com)

Shanghai

+86.21.3866.9166

Beijing

+86.10.8453.6388

Guangzhou

+86.20.8554.9996

### Europe

Maastricht, Netherlands

+31.43.352.4466

[info.eu@nordsonselect.com](mailto:info.eu@nordsonselect.com)

### Japan

Tokyo

+81.3.3599.5920

[Info.japan@nordsonselect.com](mailto:Info.japan@nordsonselect.com)

### Korea

Seoul

+82.31.765.8337

[info.kr@nordsonselect.com](mailto:info.kr@nordsonselect.com)

### India

Chennai

+91.44.4353.9024

[info.in@nordsonselect.com](mailto:info.in@nordsonselect.com)

### S.E. Asia/Australia

Singapore

+65.6796.9514

[info.sg@nordsonselect.com](mailto:info.sg@nordsonselect.com)

### Taiwan

+886.229.02.1860

[info.tw@nordsonselect.com](mailto:info.tw@nordsonselect.com)



**Nordson SELECT, Inc.**

**+1.509.924.4898 Phone**

**[sales.usa@nordsonselect.com](mailto:sales.usa@nordsonselect.com) Email**

**22425 East Appleway Avenue**

**Liberty Lake, WA USA 99019-8508**

**[www.nordsonselect.com](http://www.nordsonselect.com)**

**Published 2018-30-05**