SFX-300

Semi-Automatic Spray Fluxer

Liquid flux application for THT dip soldering



1.0 mm
NOZZLE DIAMETER

200 mm
SPRAY WIDTH

0-250 mL/min
FLUX DELIVERY RATE

Technical Specifications

The SFX-300 applies liquid flux to the solder side of populated PCBs before THT dip soldering. The operator positions the board or fixture and starts the spray using a foot pedal.

SPRAY SYSTEM	
Spray activation	**External foot pedal**
Nozzle diameter	**1.0 mm**
Flux delivery rate	**0-250 mL/min**
Spray width and horizontal spray range	**200 mm each**
Nominal average droplet size	**100 µm**
Spray tank material	**304 stainless steel**

POWER, AIR & DIMENSIONS	
Rated machine power	**70 W**
Power supply	**220 V AC ±10%, 50 Hz**
Compressed air supply	**External**
Air consumption during continuous spraying	**80 L/min**
Maximum specified air pressure	**5 kg/cm²**
Optional air compressor motor rating	**0.4-0.75 kW**
Machine dimensions (L × W × H)	**375 × 325 × 700 mm**
Machine weight	**20 kg**

PCB and fixture fit

The manufacturer lists 300 × 250 mm as a reference size. Confirm spray coverage for your PCB and fixture.

Applications

Batch THT production

Apply flux to populated PCBs before transfer to a separate dip soldering station.

Pilot builds and mixed-board runs

Adjust the spray opening and flux delivery rate between jobs.

Product Views



Front view

Front access door with a recessed handle.



Right-angle view

Side connections and the external foot switch.



Spray opening

Sliding plates adjust the exposed spray area.



Foot pedal

Starts the spray while both hands position the PCB.

Illustrative product renderings.

Workstation Setup

THT workflow

- **Position the PCB**
  Place the board or fixture over the spray opening.
- **Apply liquid flux**
  Activate the spray with the foot pedal.
- **Transfer for dip soldering**
  Move the fluxed PCB to the soldering station.

Connections and controls

External compressed air

Connect the cabinet to a separate compressed air supply.

Spray controls

Adjust flux flow, spray width, atomization and air pressure.

Flux return

A return line directs collected flux to a separate container.

www.grandilco.com