



ZD-153(SM0KE A5S0R8ER)IS...

Soldering work requires a flux

This flux is mainly composed of rosin-resin, and is mixed with a slight activator (halogen organic agent), which is commonly called "pine resin."

Abietic acid(C₂₀H₃₀O₂), the main component of rosin is denatured to neo-abietic acid when the temperature is increased. In this process, noxious components such as salicylic acid (HOC₆H₄COOH) and pinene are generated in the evaporating smoke.

Flux containing large quantities of resin generate phenol (C₆H₅OH), and activators generate hydrogen chloride (HCL), etc.

The permissible concentrations for such noxious gases are regulated by the Japan association for Industrial sanitation standards ACGIH standard, etc. Inhalation of such noxious components will result in headaches, nausea, eye irritations, etc.

ZD-153 is a newly developed product with a high performance fan and an activated carbon filter designed to absorb flux and lead fumes.

Specifications

Power Consumption	23 W
Outer Dimensions	220 (W) × 270 (H) × 160 (D) mm (8.7 × 10.6 × 6.6 inches)
Weight	1,400 gram
Accessories	Filter (2 pieces)

Fume Absorbers



Activated - Carbon Filter

Size	130 × 130 × 10 mm (5.1 × 5.1 × 0.4 inches)
Amount of activated - carbon filter	7 g (0.02 lb)
Maximum absorbing weight of noxious components per one filter	2 g (0.004 lb)

Operating instructions : Pare Name

- Open the Filter Guide, and install the activated carbon filter. Then close the filter guide
- Loosen the knob and adjust the angle.

Maintenance

Replacing the Filter

Under normal operating conditions, the filter should be replaced once a month since absorption capacity decline
The filter may also need replacement when the dust adhere. (Never allow the filter to become wet.)

Part Number Table

Description	Part Number
Fume Absorber, Bench, Top	D00372
Fume Absorber, Bench Mount	D00373
Fume Absorber, Bench, Top, Esd	D00374
Fume Absorber, Bench Mount, Esd	D00375
Filter, Fume Absorber	D00376

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