

# INSTRUCTION MANUAL

ZD-153(SMOKE ABSORBER)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(C<sub>20</sub>H<sub>30</sub>O<sub>2</sub>), 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(HOC<sub>6</sub>H<sub>4</sub>COOH) and pinene are generated in the evaporating smoke.

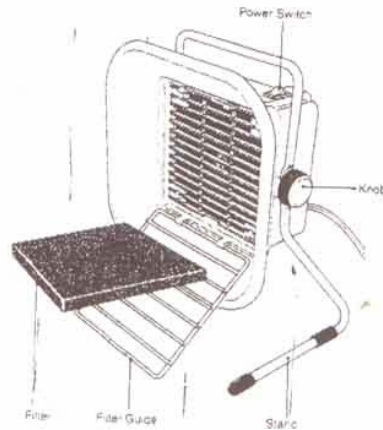
Flux containing large quantities of resin generate phenol (C<sub>6</sub>H<sub>5</sub>OH), and activators generate hydrogen chloride (HCL), etc.

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.

## Operating Instructions: Part Name

- Open the Filter Guide, and install the Activated Carbon Filter. Then close the Filter Guide.
- Loosen the Knob and adjust the angle.



## Specifications

Name	ZD-153
Power Consumption	23W
Outer Dimensions	220(W)x270(H)x168(D)mm (8.7x10.6x6.6 in)
Weight	1,400g
Accessories	Filter(2 pieces)

## Activated-Carbon Filter

Size	130x130x10mm(5.1x5.1x0.4in)
Amount of Activated-Carbon filter	7g(0.02 lb.)
Max. absorbing Weight of noxious Components per One filter	2g(0.004 lb.)

The specifications written here may be subject to change without notice.

## Maintenance

### Replacing the Filter

Under normal operating conditions, the filter should be replaced once a month since absorption capacity declines.

The filter may also need replacement when the dust adheres. (Never allow the filter to become wet.)

## Replacement Parts

No.	79-7201
Name	Filter
For	ZD-153