BaKon® 493
SMOKE ABSORBER

OPERATING INSTRUCTIONS

Why a Smoke Absorber?

Soldering requires the use of a flux.This flux is primarily composed of rosin-resin mixed with a small amount of pine resin activator (a halogen organic agent).

The main component of rosin is abietic acid ($C_{20}H_{30}O_2$).At soldering temperatures,abietic acidis denatured to neo-abietic acid.This process generates noxious components such as salycylic acid (HOC_6H_4COOH) and pinene which are released in the evaporating smoke.

Flux containing large quantities of resin also generates phenol (C_6H_5OH),and the pine resin activator in the flux generates hydrogen chloride (HCL) and other compounds.

Inhalation of such noxious components can result in headaches,nausea,eye irritation and other health and safety related problems.

The Bakon 493's high performance fan and active carbon filter are highly effective in absorbing noxious flux and lead fumes.

Installing the filter

Open the filter Guide.
Install the Activated Carbon Filter.
Close the Filter Guide.

Adjusting the Angle of the Fan

Loosen the knob at the side of the 493.
Adjusting the angle of the fan
Tighten the knob.

Replacing the Filter

Under normal operating conditions,the filter should be replaced once a month since absorption capacity declines over time.It may also need replacement when dust begins to adhere to the filter.

Caution

Never allow the fiter to become wet.

Specifications

Name	BK 493 E.S.D.
Power Source	AC 110/220V 60/50Hz
Power Consumption	30W
Outer Dimensions (WxHxD)	225x410x190mm (8.8X16.1X7.5in)
Weight	1.6Kg(3.5lb)
Accessories	Active Carbon Filters

*Product No.based on voltage rating.Specify voltage when ordering.

Activated Carbon Filter

Size (WxHxD)	130x130x10mm(5.1x5.1x0.4in)
Activated Carbon per Filter	12g(0.03lb)
Absorption Capacity per Filter	4g(0.01lb)(max.wt.of absorbed noxious components)

Replacement Parts

No .	A1001
Name	Filter Set
Specifications	Active Carbon Filter

**Specifications subject to change without notice.

Names of Parts