



Polo scientifico tecnologico

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INSTRUCTION MANUAL SMOKE ABSORBER

ET 493 - ET 493A



ET 493A ESD Smoke absorber with arm



ET 493 ESD

FUNCTION

The welding requires the use of flux. This flux is principally composed of a rosin resin, and is mixed with an activator (organic halogen agent), which is commonly called "pine resin". The main component of rosin is abietic acid ($C_{20}H_{30}O_2$). In this process, noxious components such as salicylic acid (HOC_6H_4COOH) evaporates in the welding smoke. The fluxes containing large amounts of resin generate phenol (C_6H_5OH) and the activators generate hydrochloric acid (HCL), etc. Inhalation of these harmful components can cause headaches, eye irritation, etc. The smoke absorber is a product of new conception, with a fan and a high-performance carbon filter, designed to absorb the fumes deriving from tinning.

INSTRUCTION MANUAL

Open the filter grid (4) and insert the carbon filter (5). Afterwards, close the filter grid, loosen the knob (2) and adjust the optimal angle for soldering. Lock the knob after adjustment.

1. Power switch

2. Locking knob

3. Workbench stand

4. Filter grid

5. Carbon filter

6. Air conveyor and support tub

7. Locking knob for arm

8. Holder for absorber

9. Workbench clamp



For ET 493 ESD, please make sure it is stable on the workbench. The angle of the absorber can be adjusted so as to have the optimal suction.

For ET 493A ESD, make sure that the arm is anchored firmly to the workbench. The position of absorber can be adjusted very easy. After use, the unit can be easily removed, taking up little space.

MAINTENANCE

Replacing the filter:

under normal working condition, the filter can be replaced one a month. Where there is a decrease of the absorption capability. The filter can also be replaced when it is full of dust. (not wet the filter).

- The device can only be used with rated voltage and frequency
- Don't disconnect the device with wet hands and without to force the power cable
- Don't move the device with the power cable plugged in
- Use the unit only as described
- If you don't using the device, please turn it off
- Don't use the device if damaged, especially the power cable or the external case
- Don't immerse the device in liquid
- Do the regular maintenance required (follow the instructions in this guide)
- The children don't know the risks of caused by electric appliances. Please, use the device only under adult supervision and keep it out of reach about children
- Don't place the device near high heat sources (hot plates, ovens, etc.) because the material will melts and produces an unpleasant smell. The absorption shouldn't be impeded by covering the openings with items such as newspapers, tablecloths, curtains, etc.
- Don't make cleaning or maintenance of the device without having disconnected the power cable

In case of all these procedures weren't followed, the warranty will fall IMMEDIATELY.