# WOLF FORMALIN VAPORIZER

## GENERAL FEATURES

The new European standard EN 12469 lists a series of instructions about the decontamination, the cleaning and the sterilisation through fumigation of microbiological safety cabinets, adding to what is already provided for by BS 5726 standard.

In particular the above-mentioned standard recommends to perform fumigation in the following cases:

- Before each maintenance operation to the parts of the cabinets potentially contaminated (replacement of filters and/or pre-filters included)
- Before testing the filters (as for instance D.O.P. test)
- When some inaccessible surfaces could have been contaminated by an accidental spilling
- When you completely change the nature of work done under the cabinet

The EN 12469 standard shows as suitable the fumigation with formaldehyde vapours generate by evaporation of a solution mixing formalin and water.

The new formalin vaporiser produced by Faster has been designed to meet the above requirements, while operating in absolute safety conditions.

The vaporiser is CE marked and has been designed and produced according to the most recent European standards.

## APPLICATIONS

- Sterilisation of microbiological safety cabinets
- Sterilisation of cytotoxic drug safety cabinets (with microbiological contamination)

## OPERATION

The formalin vaporiser consists of two containers for solutions. The first one contains a solution of 50% formalin and 50% distilled water and the second one contains a solution (for instance Ammonium bicarbonate) suitable to neutralise the formaldehyde vapours generated during the sterilisation process.

The switching on of the device causes the heating of a 150W resistance used to generate the formalin vaporisation.

A safety thermostat set to 130° C (formalin vaporises at a temperature always lower than 100°C) signals the end of the vaporisation process.

Then a dwell time starts (it have to be set through a timer and must never be less than 6 hours). When the dwell time is over, the solution suitable to neutralise the formaldehyde vapours is to be vaporised in the same way used for formalin vaporisation.

When this second process is over (signalled by another thermostat also set to 130°C) another waiting period of 20 minutes starts, after which the sterilisation cycle is completed.

The device is fitted with a series of lights to highlight the various stages of sterilisation process.

## TECHNICAL SPECS

- **Structure** : in AISI-304 stainless steel
- **Containers of the solutions** : in anodised aluminium
- **Max. volume of the solution containers** : 250 ml./cad., suitable to assure that the concentration of formaldehyde is at least 50mg/$m^3$ for all models of FASTER BH 2000 and CYTOSAFE 2000.
- **Temperature sensors**: bimetallic thermostat
- **Period of sterilisation :** it can be set by a timer in order to assure what provided for by the J enclosure of EN 12469 standard (at least 6 hours. Max. time 8 hours)
- **Equipped with safety devices for the following operations:**
  * to allow the complete sterilisation cycle also in case of black out
  * to avoid that the temperature of the containers exceeds 150°C by means of a double safety thermostat.

| MODEL | DIMENSIONS | | | POWER | VOLTAGE | WEIGHT |
|---|---|---|---|---|---|---|
| | D | W | H | W | V | KG |
| FORMALIN EVAPORATOR | 280 | 285 | 165 | 300 W | 220-240V/50-60Hz | 3 |