

## INOCEKO Series Bench-Top and Floor Type Touch-Panel Fume Hoods



CE

### Production and Material Information;

The body block and side panels of the INOCEKO series fume hoods are 1.2 mm, the back panel, the gas evacuation panel, the lighting panel and the service columns are completely made of 1 mm galvanized sheet and all surfaces are painted with 60 micron thick epoxy paint with a high degree of resistance to the acid environment and baked at 200°C.

Designed to be at least 900 mm above the ground, the side panels of the system are designed to form the supporting part of the device and provide the up and down movement of the windscreen. At the same time, the foots of the side panels are used to make the balance adjustment of the device and to protect against corrosion. The rear panel of the Fume Hood is designed to assemble gas and water fittings, and there is a second panel on the inside of the rear panel, which also facilitates the release of heavy gases. On the upper part of the device there is a lighting panel and a at least 200 mm diameter evacuation flue connection port.

The working surface must be designed as one-piece, fully resistant 16mm Antiacid Compact at every temperature and concentration against acids, salts, organic solvents and non-flammable, easy to clean.

### About Fittings;

The Fume Hood fittings must be specially designed according to the needs of a modern Laboratory, and for this reason, in the production of our own production INOCEKO, Fittings are made of the best quality brass and other materials such as plastic are used where other suitable for use. All brass parts of fume hood fittings are resistant to chemical materials, corrosive environments and covered with strong Polyester Powder Enamel, thus gaining an external structure resistant to chemical environments.

Fume Hood fittings are made of according to good performance, durability, easy-to-use, variety, aesthetic design with easy cleaning and attractive appearance.

The fume hood fittings must be supplied with easy installation equipment, which, when installed, ensures that it is fully fixed in the mounting position. In this way the fitting will not cause leakage due to improper installation.

Fume hood fittings are supplied as standard BSP gear (British Standard Pipe Female, 1/2").

According to the model of most of the fume hood fittings, the nozzle (gas tap) can be pluggable and detachable with moveable nut.

Fume hood fittings are subjected to leak test in the factory. To prevent accidental opening of Flammable Gas Fittings, it is equipped with pull-up safety caps.



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On the front of the two side panels of the device, there are two vertical service columns and the front horizontal service panel has valves that control the electrical lines, armatures and fittings inside. At the bottom of the device there is a mobile sub-cabinet which is made of the same material as the fume hood and which eliminates the inclination on the floor.

The sub-cabinets, which are suitable for storing chemical materials, has been developed with the design of the piping system which can be evacuated acid and solvent vapors that may form within from the upper ventilation system.

Fume hood panels are optionally produced with Manual or LCD Touch control.

In the fume hood, imported PP fan motor with noise level below 60 dB is used. The fan motor is mounted on the device so that it does not appear in order to prevent the strong appearance of the device. For long traction distances, external area is equipped with 240m<sup>3</sup> more powerful fan for provide the suction.



The glass system in the front of the fume hood consists of a combination of two glazing with a film layer, and a high temperature and high resistance to explosion.

The glass guillotine type moves up and down and can be stopped at the desired level.

If any manipulation occurs in the fume cupboard, the vertical glass can be lowered to the work surface.

### Fume Hood Water Fittings Maximum Working Pressure;

| kPa/ | k N/m <sup>2</sup> | bar | p.s.i. |
|------|--------------------|-----|--------|
| 1000 | 1000               | 10  | 147    |

### Fume Hood Gas Fittings Maximum Working Pressure

| kPa/ | k N/m <sup>2</sup> | bar | p.s.i. |
|------|--------------------|-----|--------|
| 700  | 700                | 7   | 100    |

Our company, which is a fume hood manufacturer, has ISO 9001 Quality Certificate.

Water and gas fittings are manufactured according to DIN 17660 - DIN 12920 standards.

### Basic Technical Specifications;

| Model        | Dimensions (LxWxH)(cm) | Fan                | Quantity of Socket | Internal Water Tap | External Water Control Tap | Internal Gas Tap | External Gas Tap | Flue Length (Meter) |
|--------------|------------------------|--------------------|--------------------|--------------------|----------------------------|------------------|------------------|---------------------|
| INOCEKO-90T  | 90x90x240              | 1000m <sup>3</sup> | 2                  | N/A                | N/A                        | N/A              | N/A              | Up to 3m            |
| INOCEKO-120T | 120x90x240             | 1060m <sup>3</sup> | 2                  | N/A                | N/A                        | N/A              | N/A              | Up to 3m            |
| INOCEKO-150T | 160x90x240             | 1250m <sup>3</sup> | 2                  | N/A                | N/A                        | N/A              | N/A              | Up to 3m            |
| INOCEKO-180T | 180x90x240             | 2300m <sup>3</sup> | 2                  | N/A                | N/A                        | N/A              | N/A              | Up to 3m            |
| INOCEKO-90Y  | 90x80x150              | 1000m <sup>3</sup> | 2                  | 1                  | 1                          | 1                | 1                | Up to 3m            |
| INOCEKO-120Y | 120x80x150             | 1060m <sup>3</sup> | 2                  | 1                  | 1                          | 1                | 1                | Up to 3m            |
| INOCEKO-150Y | 150x80x150             | 1250m <sup>3</sup> | 2                  | 1                  | 1                          | 1                | 1                | Up to 3m            |
| INOCEKO-180Y | 180x80x150             | 2300m <sup>3</sup> | 2                  | 1                  | 1                          | 1                | 1                | Up to 3m            |