



AF M500

Technical Data Sheet

PRESSURE EQUIPMENT FOR FILTER AND SAFETY AREAS

DESCRIPTION

Experience shows that many casualties are occurring by the spread of fumes in fire escape and connecting areas. **AF M500** is a variable flow pressurization system which conforms to the Italian DM November 30, 1983 concerning safe and smoke free areas. This equipment is designed for specific filter areas such as smoking and technical areas containing laboratories and research equipment or high-energy room. It may be located in basements provided they are separated by smoke filter areas from access roads.

AF M500 can be used for small, medium and large volumes eventually increasing the number of installed machines. **AF M500** is composed of three distinct elements: pressurization unity, power and control unity and (optional) differential manostat.

SPECIFICATIONS

Pressurization unity:

Large-scale electric fan placed in portabocchetta recessed grid wing variables. **AF M500** also allows the use of small diameter channels with consequent economic advantage. **AF M500** is able to pressurize +0.30 mbar in less than 1" large filters included.

Supply units and control:

High capacity batteries and accumulators (solid-gel) allow a long autonomy (about 3 hours) of electro fan operation even in emergency conditions (no current network). A safety device stops the electric fan when the pressure inside the filter exceeds a pre-setted value. Electronic circuit board, placed on the same drive power, controls the system status by different colored LED:

- Supply Voltage: 230 Vca
- Power Frequency: 50-60 Hz
- Transformer: 300 VA
- Cabinet protection degree: IP 30

DIMENSIONS

Cabinet:	400 x 350 x 170 mm (H x L x P)
Pressure Unit:	440 x 440 x 120 mm (H x L x P)
Cabinet Weight:	~ 24 kg (with batteries)
Pressure Unit Weight:	~ 5,5 kg
Batteries Weight:	~ 15,5 kg

INSTALLATION

NA-NC outputs are to be connected to remote alarm security as building automation system or other alarm computerized systems.

AF M500 is equipped with clear and simple instructions for an easy installation.

STANDARDS

test n° 280169 dell'15/03/2011(according Italian DM 30 Novembre 1983) by Istituto Giordano

PACKAGING

Carton boxes

NOTE

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