ECOBIMIX500 - ECOBIMIX501

Description - General information

MCS/SCP control panel with pneumatic evacuation for single use PSC Smoke exhaust control box and air ventilation unit with metal casing in red. Device consisting of 2 pin hammers for opening and 1 pin hammer for closing. Automatic drainage system.

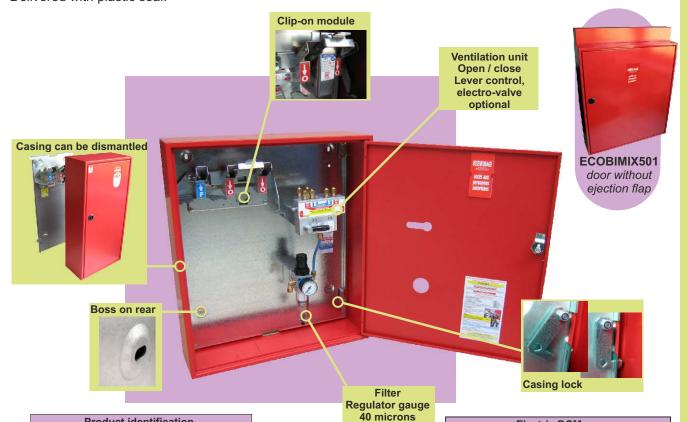
Clip-on casing to facilitate installation

On the front, a plastic ejection flap gives access to the pin hammer. (Depending on the model) Clip-on mounting (no tools needed) of an electric or pneumatic DCM.

Locked with a safety key.

Space for spare cartridges.

Delivered with plastic seal.



Information on label from top to bottom) Manufacturer 's name Manufacturer 's number Certification body Module possible Article code ECOBIMIX50

Product identification

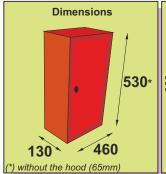
14 / R Lot number

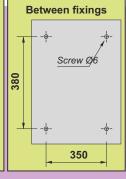
24Vcc 230V- 2

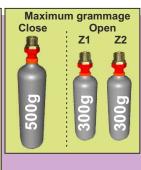
- DCM output pressure (in use) - Characteristics of ventilation unit

Electric DCMs		
Ref.	Туре	
MOD24E (M1)	24Vcc - 3.5W - Transmission mode	
MOD24R (M2)	24Vcc - 1.8W - Break mode	
MOD48E (M3)	48Vcc - 3.5W - Transmission mode	
MOD48R (M4)	48Vcc - 1.8W - Break mode	

Pneumatic DCM		
Ref.	Туре	
MODP (M5)	Pressure: 6 to 20 bar	









Cartridges must be screwed in place manually.

NF - Control devices for F.S.S.

This mark certifies :
- conformity to the norm NF S 61-938 for S.C.P.s
- the values of the characteristics given in this technical file.

DUPUY EQUIPEMEN

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REMINDER:

Height of installation: § 9.1 of the NFS 61-932
The safety device to be used should be fitted at a height of between 0.90m and 1.30m from the ground.

Pipes and connections: § 7.2 of the NFS61-932

Pipes should be made entirely of copper or stainless steel. Connections should be airtight, metal against metal.

Pneumatic piping should run through the interior of the building, to avoid the risk of

Performance and testing: § 6.4 of the NFS61-932

The calculation to define the capacity required should be based on the characteristics of the components of the system to be fed and should take into account the characteristics of the circuit.

The pressure should be checked using a specialised tool (for example a pressure gauge) in order to make sure that the pressure present in the circuit corresponds to this calculation. In addition, this tool will check the airtightness of the circuit.

Installation

Lift off the casing.

Check that the wall or hanging surface is completely flat, in order to ensure that the box is fitted correctly.

Fix the back of the box to the wall or hanging surface.

Connect the box to the copper circuit.

Put the pipe into the joint, tighten manually and then with a spanner, until it is secure. (1.5 turns maximum)

Testing

NOTE: In order to check the quincuncial distribution of the outlets, lift off the handle which connects the 2 opening control devices and trigger them individually.

Lift up the pin hammer levers.

Screw the CO² cartridges in place MANUALLY.

Carry out the manual or distance controlled triggering action (if DCM is installed) for opening.

Carry out the closing procedure.

Proceed to the resetting of the box. (See below)

DCM

Make sure that the DCM command is switched off:

If modules M1 to M4 are in place:

Electric DCM line:

Power on in Break mode

Power off in Transmission mode

if module M5 is in place:

pneumatic DCM line pressure off.

Reset the DCM by raising the front cover up and pushing it back into place.

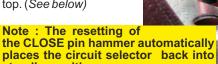
TO OPEN

Press on the ball (1) and raise the lever (2) up to the top. (See opposite)

TO CLOSE

Press on the ball (1) and raise the lever (2) up to the top. (See below)

standby position.



Insert new cartridges into the box. (for use and spares).

Put the ejection cover back in place.(depending on the model)

Close the door and secure with a new



MODU



Installation (continued)

Connecting the compressed air system

Connect the compressed air system to the filter joint.

Ventilation unit DCMs

See corresponding technical files.

Putting the air ventilation into service

Carry out open/close operating cycles by moving the ventilation unit lever up or down.

To close ventilation mode after use, unscrew the cartridge(s) in order to drain the system.

Push the stud(s) situated on the right of the ventilation unit back towards the left.

Push down the ventilation unit lever.

Use the pre cut-out on the cover to pass through the pipe(s). Attach the casing to the back and turn the clips outwards to lock

Insert the cartridges for use into the box. Screw the plastic nut onto the heads of the spare cartridges and place them on their brackets. Close the door. Fix the seal in place.

Connection of DCMs

See corresponding technical files.

SMOKE EXHAUST Use

In the case of a fire, push open the ejection flap and pull down the pin hammer lever, triggering both zones.

To close, open the door with the safety key, then push down the close lever (Lever marked CLOSE in blue)

Maintenance

THE PRODUCT, every 6 months.

Check that everything is in good working order.

Check the condition of the pins.

INSTALLATION, see according to norm NFS61-933

Easy installation, useful material

To carry out the installation of this product, you will need the following

Pressure control kit	KIP01	
Copper piping	TCB506	
Copper reel	TCC2506	
Straight joint	RAU2621	
Tjoint	RAU2623	
Elbowjoint	RAU2622	
Steel piping	TAT2508	
Metal trunking	GM201	
CO ² Cartridge	CARDE50	
DCM	MOD	
Pressure indicator box	BIP02	

Technical Characteristics

Material : Steel, brass, aluminium. :Zinc coating: RAL3000 Safety measures :To be handled with the fingers.

Force to be applied :<5daN. Protection index : IP42. Energy..... :Co2 or inert gas. DCM exit Olive screw connection Temperature during use . . :+ 5°C to + 50°C Pressure : operating = 3 à 20 bar

in use = 60 bar during testing = 90 bar.

CO² cartridge pitch :15 x 125 DCM connection

: - electric (cf.: fileNF012) Running factor: 100 % at a temperature of 20°C ± 5°C Voltage (Un): 24 or 48 volts continuous current T.B.T.S.

Consumption at nominal voltage (Un):3,5 W (24 or 48 volt c.c. transmission) 1,8 W (24 or 48 volt c.c. break)

- pneumatic (cf.: file NF013)

Consumption: 0,01 normo-litre.

Pressure of DCM: Minimum = 6 bar -Maximum = 20 bar.

Ventilation operating device:

- Ventilation unit type 5, dual-zone open and single close Ventilation energy . . . :Compressed air filtered at 40 µ (dry air without oil)

Ventilation pressure: Compressed air from 3 to 10 bar. Precautions :Stock and install away from bad weather conditions.

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