

# Ventilation Box series 1

Technical File  
T04001 C

Ventilation function : Open Close

Smoke exhaust : None

CA14010 - CA16011

## Description - General information

Control box, fed by a compressed air circuit enabling the opening and closing of roof and facade outlets (SHEV).

Metal casing in white.

Operated manually using a handle.

Regulating filter with pressure gauge.

Possibility of DCM by electro-valve optional.

Access level 1, solid door and safety key lock.

Pipe-cover hood on the upper section.



Example :  
Ventilation box on request  
with programmable clock  
and automatic closing.



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STANDARD BOX	
General dimensions	
<b>CA14010</b>	<b>CA16011</b>
Consisting of	Consisting of
<ul style="list-style-type: none"> <li>- 1 ventilation control unit</li> <li>- 1 regulating filter</li> <li>- 1 box with solid door</li> </ul>	<ul style="list-style-type: none"> <li>- 1 ventilation control unit</li> <li>- 1 regulating filter</li> <li>- 1 rain and wind pack</li> <li>- 1 electro-valve</li> <li>- 1 box with solid door</li> </ul>
W : 220	W : 340
H : 380	H : 530
D : 110	D : 110



The air from the compressor should be dry and free from oil. The air flow must be sufficient to meet the energy requirements of all the devices in the circuit.

## DUPUY EQUIPEMENTS

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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 freezing.  
**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.  
Connect the compressed air coming from the compressor  
Put the pipe into the joint, tighten manually and then with a spanner, until it is secure. (1.5 turns maximum)

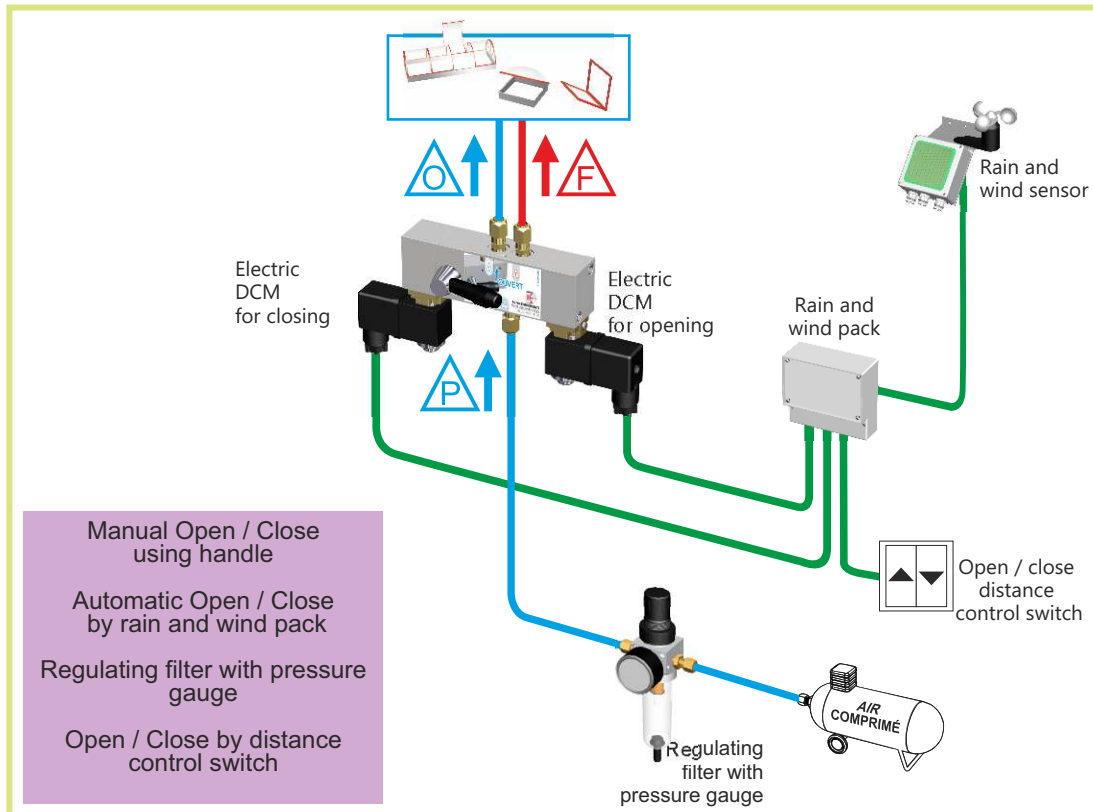
## Testing

Carry out a few open and close running tests.

## Installation (continued)

Put the hood in place on the casing of the box.  
Fix the casing onto the back of the box, screw on the 4 clips with a quarter of a turn.  
Lock the door.

## Diagram of possible installation



## Maintenance

Drain the air filter as many times as is necessary, above all if the system has been used frequently.  
**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 :

Copper piping	TCB506
Copper reel	TCC2506
Straight joint	RAU2621
T joint	RAU2623
Elbow joint	RAU2622
Steel piping	TAT2508
Metal trunking	GM201
Plastic trunking	GP2210
Ventilation unit DCM	MODA024, 220

The electric DCM can be added to the ventilation unit for distance control triggering.

Voltage: 230 V~, 24 Vcc

## Technical Characteristics

Material : Steel, brass, aluminium.  
Protection : Zinc coating: RAL9001.  
Device : Ventilation unit type 1, open and close controlled by a handle.  
Protection index : IP42.  
Energy : Filtered compressed air at 40 µ (dry air, free from oil).  
DCM entry : Olive screw connection.  
DCM exit : Olive screw connection.  
Temperature during use : + 5°C to + 50°C  
Operating pressure : 3 to 10 bar  
Precautions : Stock and install away from bad weather conditions.

