


# OXYTONE smoke exhaust air inlets

## OXYTONE PANNEAU 2012 air inlet



OXYTONE PANNEAU 2012 Open in safety position closed, in stand-by position

### Compliance

- Certified .
- Compliant with NF-S-61937-8 concerning air inlets.
- Complies with CE marking in accordance with EN 12101-2 (possibility of using OXYTONE PANNEAU 2012 for natural smoke extraction).

### Advantages

- Insulated air inlet.
- New: Invisible mechanism, integrated in frame.
- Choice of RAL paint.
- Aesthetic GFAP 007 indoor grille - Identical to that used on the smoke exhaust damper.

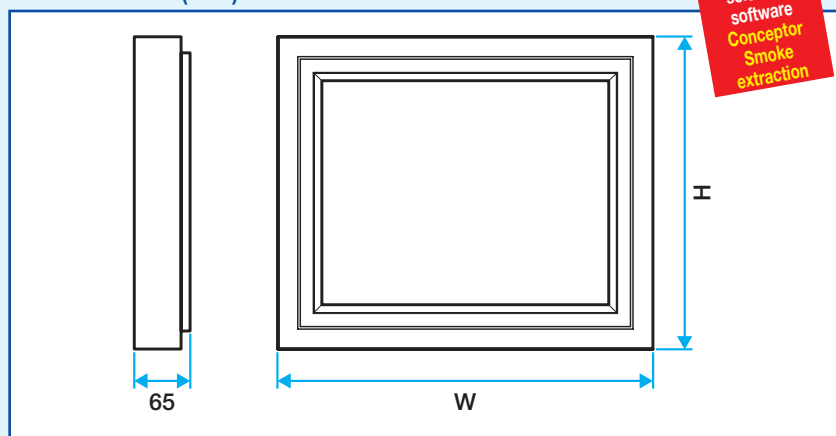
### FIELD OF APPLICATION

- OXYTONE PANNEAU 2012 is a remote-controlled air inlet, opening outwards and used exclusively for air inlet applications. These air inlets are designed for natural and mechanical smoke exhaust installations in commercial buildings and multi-family housing.
- OXYTONE PANNEAU 2012 particularly meets the needs of modern buildings, where heat losses must be minimal.
- Principle of operation: closed in standby position, OXYTONE PANNEAU 2012 opens outwards by an electrical command in the event of a fire, providing the fresh air necessary for smoke exhaust operations.
- Indoors, the installation of a GFAP 007 or a GFAP grille offers the possibility of a homogeneous aesthetic design with VANTONE damper grilles used for the extraction of smoke and fumes.
- it is also possible to install OXYTONE PANNEAU 2012 in a curtain wall.
- OXYTONE PANNEAU 2012 is also qualified for natural smoke extraction.

### DESCRIPTION

- The panel is outward-opening, using mechanical actuators released by a command via the 24V or 48V remote control.
- Activation by power emission or power cut-off, 24 or 48 VDC.
- The panel is fitted with a handle for manual reset.
- The chassis features a frame in which 2 actuators articulate the panel. In addition to the actuators, the position contacts and the electric trip device are built into the frame and therefore invisible when the OXYTONE PANNEAU 2012 panel is closed.
- The frame and the panel use aluminium surrounds to ensure their perfect integration into all types of window frames, both on reveals and wall mounted.
- The panel is available with 3 different versions:
  - standard = double glazing (hardened and laminated outside glass 4/10/33.2).
  - optional thermal double glazing (Argon-filled 4/16/4 Climaplus).
  - optional insulated solid metal panel (2 aluminium sheets 20/10 + 20 mm polystyrene).
- RAL paint is possible as an option on the chassis and the solid panel.
- Supplied without seal covers, available as accessories (not mounted), to be cut to size.

### DIMENSIONS (mm)



### FREE AIR PASSAGE (dm<sup>2</sup>)

- The nominal dimensions W x H correspond to overall dimensions.
- Opening size = W x H + clearance required for mounting.
- Free air passage = (W-120) x (H-120) mm.

Height H	Width W												
	420	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
420	9	10.6	13.4	16.2	19	21.8	24.6	27.4	30.2	33	35.8	38.6	41.4
500	10.6	14.4	18.2	22	25.8	29.6	33.4	37.2	41	44.8	48.6	52.4	56.2
600	13.4	18.2	23	27.8	32.6	37.4	42.2	47	51.8	56.6	61.4	66.2	71
700	16.2	22	27.8	33.6	39.4	45.2	51	56.8	62.6	68.4	74.2	80	85.8
800	19	25.8	32.6	39.4	46.2	53	59.8	66.6	73.4	80.2	87	93.8	100.6
900	21.8	29.6	37.4	45.2	53	60.8	68.6	76.4	84.2	92	99.8	107.6	115.4
1000	24.6	33.4	42.2	51	59.8	68.6	77.4	86.2	95	103.8	112.6	121.4	130.2
1100	27.4	37.2	47	56.8	66.6	76.4	86.2	96	105.8	115.6	125.4	134.2	145
1200	30.2	41	51.8	62.6	73.4	84.2	95	105.8	116.6	127.4	138.2	149	159.8

### INSULATION COEFFICIENT Uw

- The thermal transmission coefficient to be taken into account for wall insulation calculations is dependent on the panel dimensions. A small panel offers a higher Uw than a large panel (impact of frame in relation to panel area).
- The aluminium surrounds used for the frame and panel are thermal break surrounds.
- The OXYTONE PANNEAU range is available with 3 different versions:
  - standard = double glazing ((hardened and laminated outside glass 4/10/33.2 - Ug = 3.03 W/m2.k).
  - Uw = 3.8 for 420 x 420 mm to 3.3 W/m2.K for 1600 x 1200 mm.
  - optional thermal double glazing (Argon filled 4/16/4 Climaplus - Ug = 1.1 W/m2.K).
  - Uw = 3.3 for 420 x 420 mm to 2 W/m2.K for 1600 x 1200 mm.
  - optional insulated solid metal panel (2 aluminium sheets 20/10 + 20 mm polystyrene - Ug = 1.49 W/m2.K).
  - Uw = 3.1 for 420 x 420 mm to 2.1 W/m2.K for 1600 x 1200 mm.

# OXYTONE smoke exhaust air inlets

## OXYTONE PANNEAU 2012 air inlet



Actuators and contacts integrated in frame



Trip device integrated into surround



### Advantages

- Insulated air inlet.
- New: Invisible mechanism, integrated in frame.
- Ideal for air inlet dampers on outside walls.
- Choice of RAL paint.
- Aesthetic GFAP 007 indoor grille - Identical to that used on the smoke exhaust damper.

### DIMENSIONAL RANGE

- The standard range extends to:
  - Width:  $420 < W < 1600$  mm with step of 5 mm and
  - Height:  $420 < H < 1200$  mm with step of 5 mm.
- Beyond widths of 1200 mm the frame is equipped with two electromagnetic actuators to ensure the panel closes correctly.
- Other versions, e.g. with inward-opening panel: consult us.

### INSTALLATION

- On outside wall, with an angle between 0 and 5° to the vertical.
- The structure must be able to bear the whole weight of the panel and hinges when it is fully opened.
- In a masonry wall, the panel and frame are installed on reveals as per the diagram and in respect of the DTU directives concerned:
  - ensure the support is flat,
  - ensure the frame is correctly aligned,
  - Number of vertical anchor points:
    - $H \leq 650$  mm  $\Rightarrow$  1 central attachment,
    - $H > 650$  mm  $\Rightarrow$  2 attachments at 250 mm from top and bottom,
  - The air inlet can also be installed in a curtain wall (glazed façade).

In this case the unit is anchored using the tightening system specific to the curtain wall structure. Please consult us.

### ACCESSORIES

- **GFAP 007 indoor grille**  
If the air inlet is installed on a masonry wall, a GFAP 007 indoor grille offers an aesthetic finish for the smoke extract damper. The GFAP 007 blade core is easily removed using the 007 clips.

Selection of GFAP 007 grille:

- X dimension of GFAP 007 =  $W - 50$  mm.
- Y dimension of GFAP 007 =  $H - 50$  mm rounded up to nearest 25 mm.

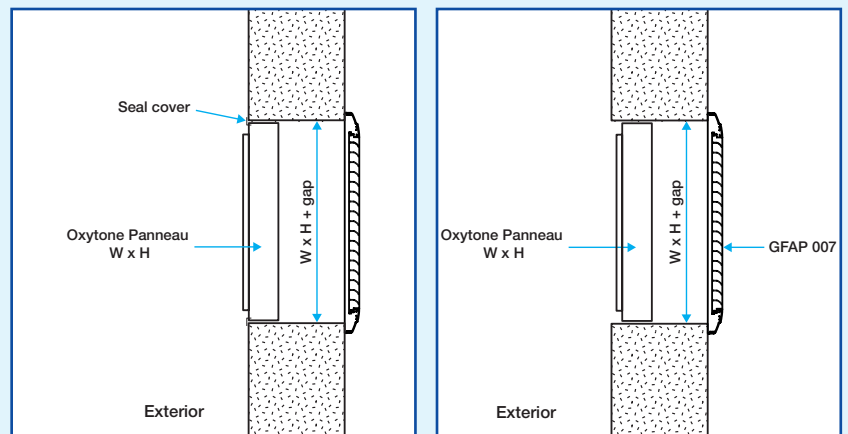
The inlet is surface-mounted on the wall.

For more information on the GFAP 007 grille, see page 120.

#### • Mounting accessories

- 20 mm seal cover, price per linear metre, useful if the OXYTONE PANNEAU 2012 is installed flush with the wall.
- 78 x 20 mm sealing flap, price per linear metre, used to dress the lip.
- 3 anchoring kits for wood (8 screws), metal (8 screws) or concrete (8 screws + plugs).
- adaptation for installation on a curtain wall: please consult us.
- adaptation possible to connect two OXYTONE PANNEAU 2012 air inlets together: please consult us.

### INSTALLATION PRINCIPLE IN MASONRY WALL



### RANGE with choice of options (steps of 5 mm)

- Code 11044310 up to  $W = 1200$  mm.
- Code 11044309 for  $W > 1200$  mm.

### AVAILABLE OPTIONS

Description	Code
FCU + DCU open and closed position contacts	OPT44315
GLAZED PANEL 4/10/33.2	OPT44317
CLIMAPLUS GLAZED PANEL 4/16Ar/4	OPT44318
RAL paint for GLAZED PANEL	OPT44319
Insulated sheet SOLID PANEL	OPT44320
RAL paint for insulated sheet SOLID PANEL	OPT44321

### ACCESSORIES

Description	Code
GFAP 007 (partition without mounting-frame)	11045335
Strip 780 x 22 mm (price per linear m)	11044323
20 mm seal cover (price per linear m)	11044324
Wood anchoring kit	11044326
Metal anchoring kit	11044327
Concrete anchoring kit	11044328
FCU or DCU contact kit	11044325