



# Serie **BVY**



## PLASTER VENTILATION VALVES



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## BOCAS DE VENTILACIÓN DE YESO SERIE BVY



### DESCRIPTION

The **BVY**-model exhaust valve is made of white plaster composite, offering an elegant and discreet appearance. It is ideal for both exhaust and supply air systems. It blends seamlessly into its surroundings thanks to its concealed installation.

### MODELS

#### **BVY-C**

- Circular valve with vertical airflow.
- 5 different sizes with connections of: Ø100, Ø125, Ø160, Ø200, and Ø250 mm.

#### **BVY-CC**

- Circular valve with horizontal airflow and a Coanda effect.
- 3 different sizes with connection diameters of: Ø125, Ø160, Ø200 mm, available in 1- or 2-slot configurations.

#### **BVY-R**

- Square valve with vertical airflow.
- 2 different sizes with connections of: Ø100 and Ø125 mm.

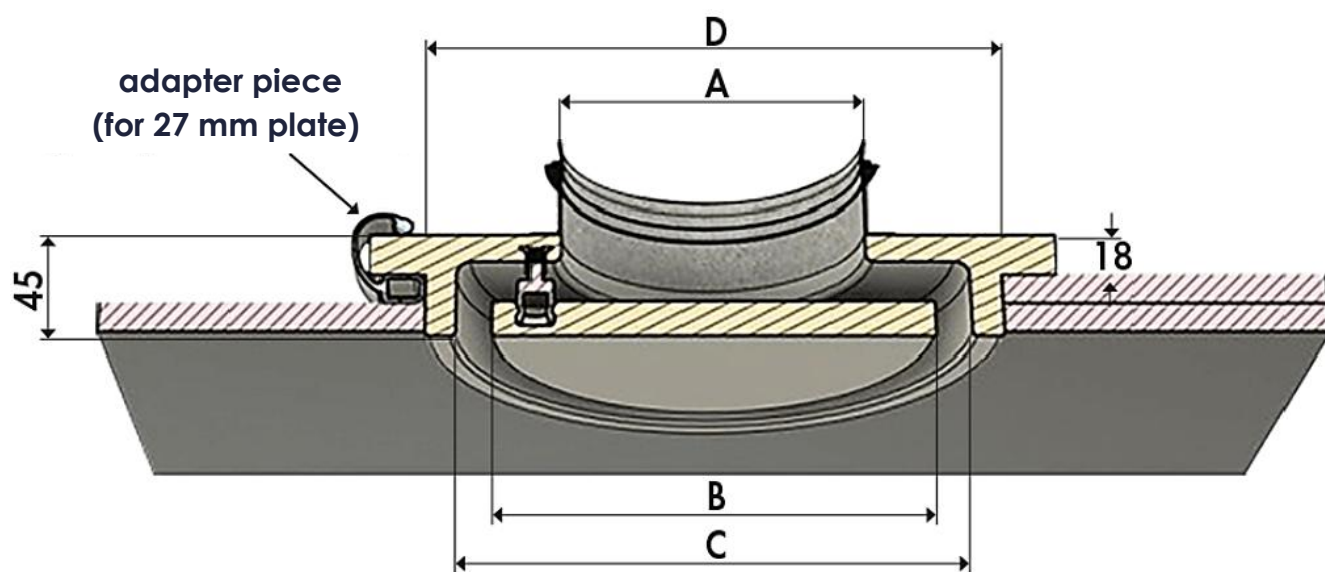
### APLICACION

- Air supply or exhaust for residential spaces, offices, retail establishments, hotels, and other locations.
- It should be installed on drywall walls or ceilings. Its composition and structure allow it to be painted at the same time as the wall or ceiling, resulting in a discreet and elegant installation that blends seamlessly into the architecture.

### COMPOSITION

- Ventilation plate and valve made of composite plaster.
- The plate is secured to the compound with 3 clips and attached to a safety cable.
- Steel connector equipped with a gasket.
- Adjustment piece included for installation (for 27 mm-thick laminated gypsum boards).

### TECHNICAL DESCRIPTION

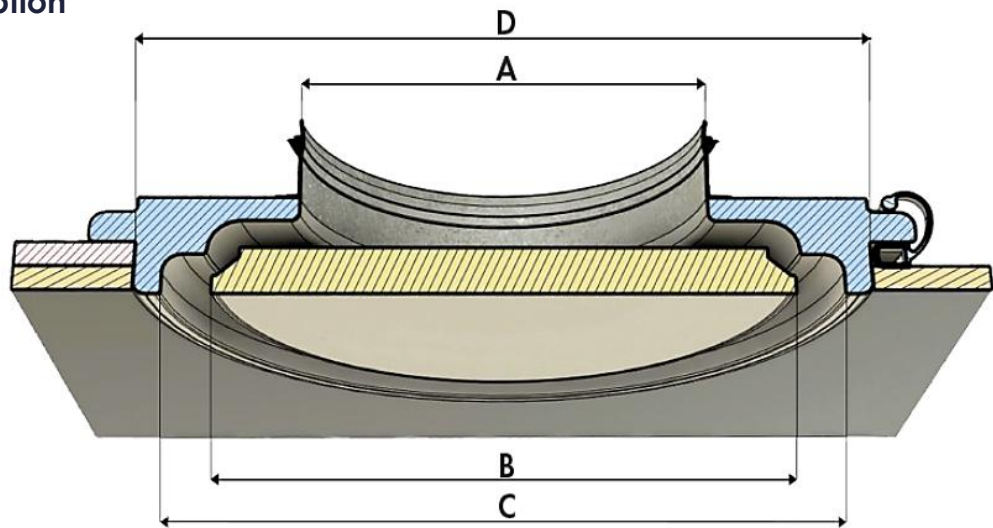


#### BVY-C

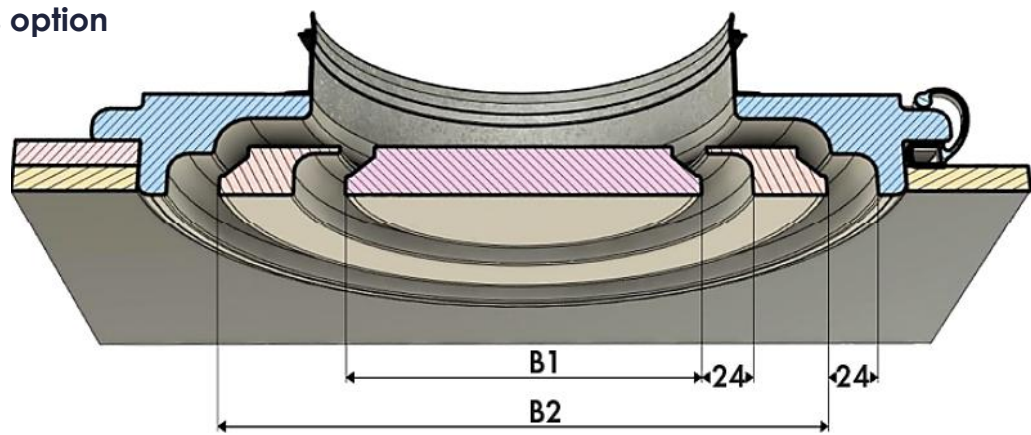
| MODEL      | Ø A | Ø B | Ø C | Ø D |
|------------|-----|-----|-----|-----|
| <b>100</b> | 100 | 180 | 210 | 235 |
| <b>125</b> | 125 | 180 | 201 | 235 |
| <b>160</b> | 160 | 210 | 240 | 264 |
| <b>200</b> | 200 | 302 | 332 | 356 |
| <b>250</b> | 250 | 302 | 332 | 356 |

Technical Description

1-slot option



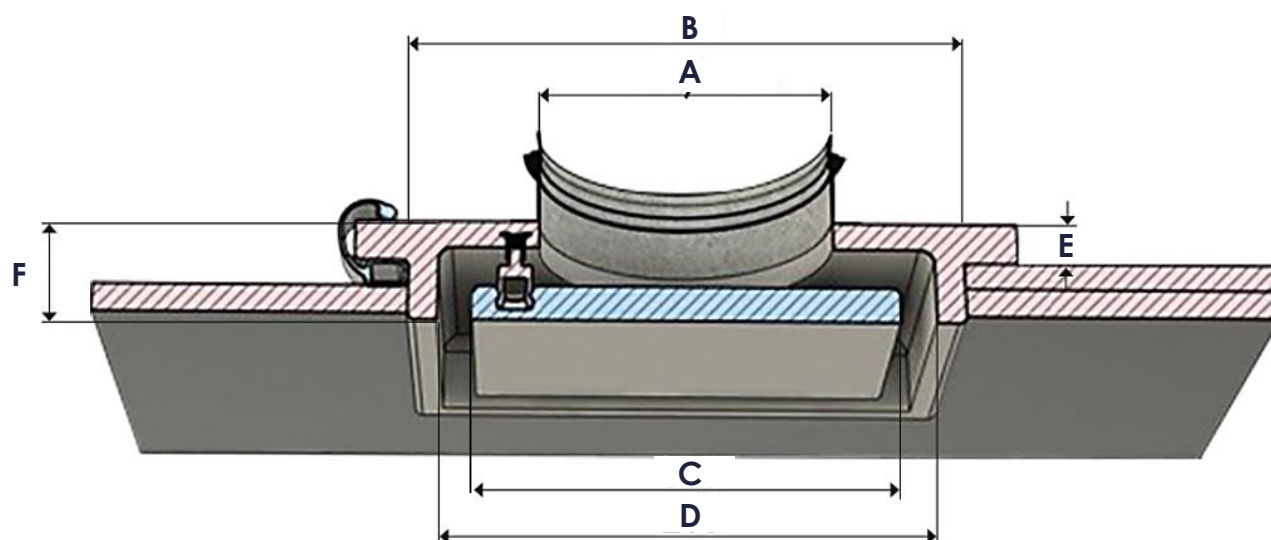
2-slots option



| BVY-CC |     | 1 slot | 2 slots |      |     |     |
|--------|-----|--------|---------|------|-----|-----|
| MODEL  | Ø A | Ø B    | ØB1     | Ø B2 | ØC  | Ø D |
| 125    | 125 | 180    | ---     | ---  | 210 | 236 |
| 160    | 160 | 242    | 126     | 242  | 290 | 316 |
| 200    | 200 | 282    | 166     | 282  | 330 | 356 |

# BOCAS DE VENTILACIÓN DE YESO SERIE BVY

## TECHNICAL DESCRIPTION



### BVY-R

| MODEL      | Ø A | Ø B | Ø C | Ø D | E  | F  |
|------------|-----|-----|-----|-----|----|----|
| <b>100</b> | 100 | 235 | 180 | 210 | 18 | 45 |
| <b>125</b> | 125 | 235 | 180 | 210 | 18 | 45 |

## MOUNTING



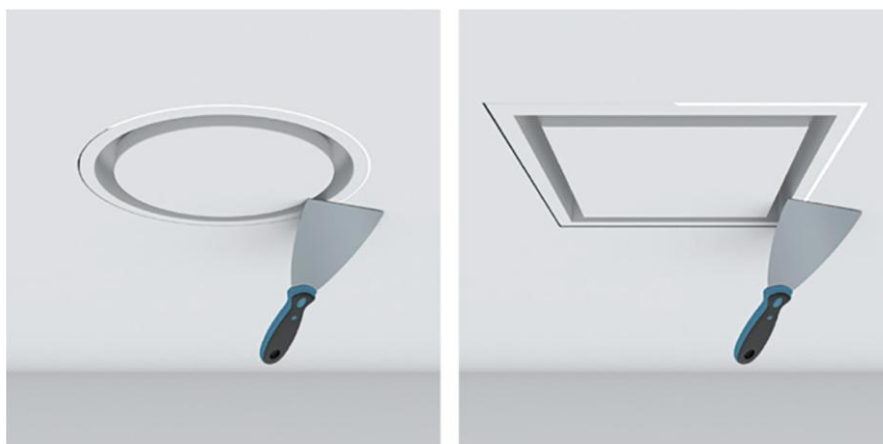
### 1st Step:

- Install and connect the valve before finishing the drywall.
- Cut the opening in the plate.

# BOCAS DE VENTILACIÓN DE YESO

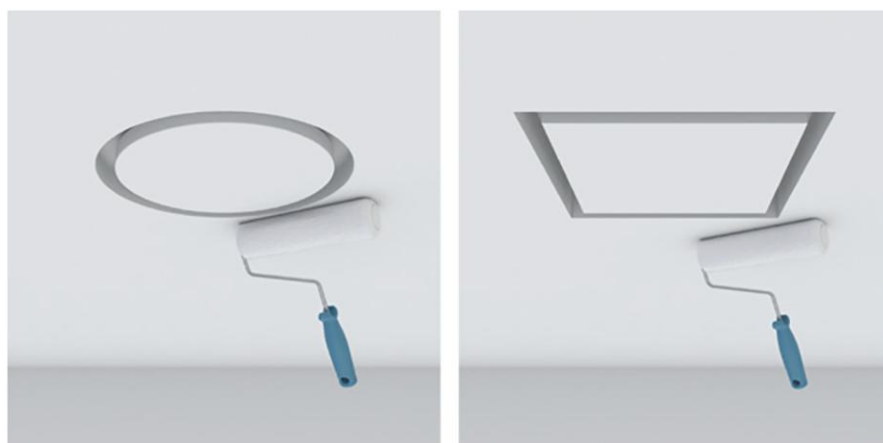
## SERIE BVY

### MOUNTING



#### 2nd Step:

- Adjust the vent so that it fits against the drywall.
- Fill the gap between the valve and the drywall with plaster, and then smooth the surface of the valve so that it is flush with the wall or ceiling.



#### 3rd Step:

- Paint the wall or ceiling and the valve opening the color of your choice.

# BOCAS DE VENTILACIÓN DE YESO

## SERIE BVY

### SELECTION TABLE

| Q   | Model           | BVY-CC             |                   |                   |                   |                   | BVY-C              |                     |                     | BVY-R              |
|-----|-----------------|--------------------|-------------------|-------------------|-------------------|-------------------|--------------------|---------------------|---------------------|--------------------|
|     |                 | 125-1              | 160-1             | 200-1             | 160-2             | 200-2             | 100/125            | 160                 | 200/250             | 100/125            |
|     | Afree           | 0.00445            | 0.00939           | 0.0109            | 0.0143            | 0.0174            | 0.0059             | 0.0075              | 0.0118              | 0.0059             |
| 50  | Alc<br>Pd<br>Nv | 0.8<br>14.4<br><20 |                   |                   |                   |                   | 2.4<br>8.9<br><20  | 1.9<br>5.2<br><20   | 1.7<br>1.7<br><20   | 1.9<br>8.4<br><20  |
| 100 | Alc<br>Pd<br>Nv | 1.5<br>57.6<br>34  | 0.8<br>7.7<br><20 |                   |                   |                   | 4.9<br>35.6<br>28  | 3.8<br>20.9<br>23   | 3.3<br>6.6<br><20   | 3.9<br>33.7<br>28  |
| 150 | Alc<br>Pd<br>Nv | 2.3<br>129.5<br>44 | 1.1<br>17.3<br>29 | 0.8<br>10.3<br>27 | 0.8<br>4.9<br>21  | 0.7<br>3.0<br><20 | 7.3<br>80.2<br>38  | 5.7<br>47.0<br>33   | 5.0<br>14.9<br>25   | 5.8<br>75.9<br>38  |
| 200 | Alc<br>Pd<br>Nv |                    | 1.5<br>30.8<br>36 | 1.0<br>18.3<br>34 | 1.1<br>8.6<br>28  | 0.9<br>5.3<br>25  | 9.8<br>142.5<br>45 | 7.7<br>83.5<br>40   | 6.7<br>26.5<br>32   | 7.7<br>134.9<br>45 |
| 300 | Alc<br>Pd<br>Nv |                    | 2.3<br>69.2<br>46 | 1.5<br>41.2<br>43 | 1.6<br>19.4<br>38 | 1.3<br>11.9<br>34 |                    | 11.5<br>187.9<br>50 | 10.0<br>59.6<br>42  |                    |
| 400 | Alc<br>Pd<br>Nv |                    |                   | 2.0<br>73.3<br>50 | 2.2<br>34.6<br>45 | 1.8<br>21.1<br>41 |                    |                     | 13.3<br>106.0<br>49 |                    |

Nv < 25

25 < Nv < 35

35 < Nv < 45

Nv < 45

#### Description:

- Afree: Free área (m²).
- Q: Air flow (m³/h).
- Alc: Range (m) for a terminal speed of 0.25 m/s.
- Pd: Pressure drop (mm.ca).
- Nv: Noise level in the room without sound attenuation (dB(A)).



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