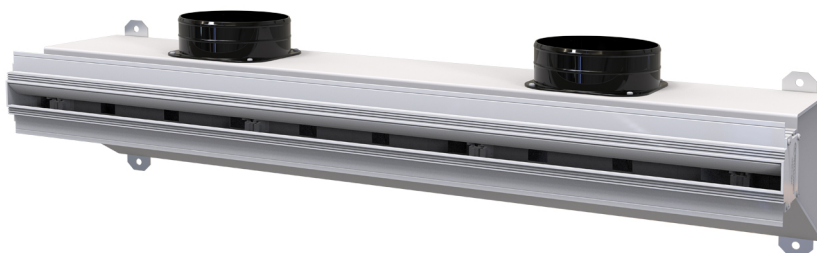


# Linear retracting diffuser in ALUMINIUM with damper, insulated plenum and side baffles

- cod. PWD301535 - cod. PWD301536 - cod. PWD301543  
- cod. PWD301544 - cod. PWD301551 - cod. PWD301552  
- cod. PWD301559 - cod. PWD301560 - cod. PWD301567  
- cod. PWD301568 - cod. PWD301575 - cod. PWD301576  
- cod. PWD301583 - cod. PWD301584 - cod. PWD301591  
- cod. PWD301592 - cod. PWD301599 - cod. PWD301600  
- cod. PWD301607 - cod. PWD301608



## DESCRIPTION

Linear retracting diffuser in aluminium with damper, insulated plenum and side baffles.

Available with 20 or 30 mm slot in black or white.

With a unique, original design, the plenum is made of galvanised metal sheet coated with closed-cell polyethylene.

This retracting linear diffuser combines design and function, blending perfectly into any room, with uniform air diffusion and high thermal induction.

The inlet collars are included in the pack and must be assembled according to installation needs.

The plenum has other built-in installation boxes for additional ducts and VMC ducts, break as needed.

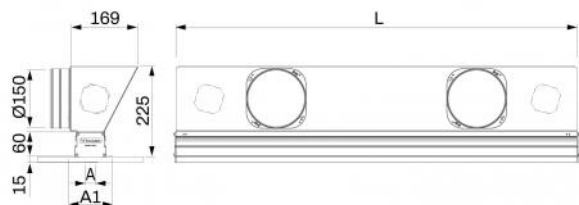
The damper is used to control the required amount of air and can be calibrated using a screwdriver.

Housings are obtained from inside the profiles to enable the mounting of adjustable PVC baffles.

By changing the baffle direction it is possible to deliver the air flow according to the place of installation, if necessary obtaining a Coanda effect.

## ACCESSORIES

- False ceiling brackets, included.
- Continuity kit, can be purchased separately.



## DIMENSIONS

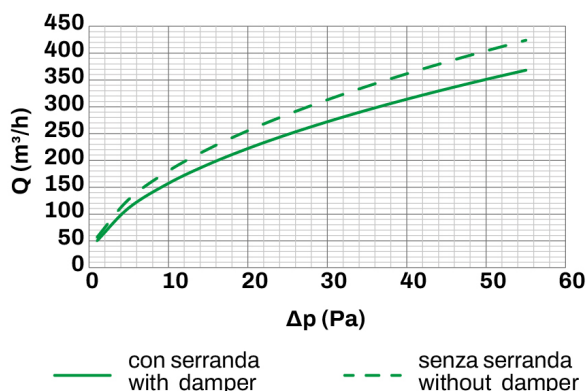
| CODE      | L [mm] | A [mm] | A1 [mm] | COUPLING Ø150 |
|-----------|--------|--------|---------|---------------|
| PWD301535 | 600    | 20     | 100     | 1             |
| PWD301536 | 600    | 20     | 100     | 1             |
| PWD301543 | 600    | 30     | 110     | 1             |
| PWD301544 | 600    | 30     | 110     | 1             |
| PWD301551 | 800    | 20     | 100     | 2             |
| PWD301552 | 800    | 20     | 100     | 2             |
| PWD301559 | 800    | 30     | 110     | 2             |
| PWD301560 | 800    | 30     | 110     | 2             |
| PWD301567 | 1000   | 20     | 100     | 2             |
| PWD301568 | 1000   | 20     | 100     | 2             |
| PWD301575 | 1000   | 30     | 110     | 2             |
| PWD301576 | 1000   | 30     | 110     | 2             |
| PWD301583 | 1500   | 20     | 100     | 3             |
| PWD301584 | 1500   | 20     | 100     | 3             |
| PWD301591 | 1500   | 30     | 110     | 3             |
| PWD301592 | 1500   | 30     | 110     | 3             |
| PWD301599 | 2000   | 20     | 100     | 4             |
| PWD301600 | 2000   | 20     | 100     | 4             |
| PWD301607 | 2000   | 30     | 110     | 4             |
| PWD301608 | 2000   | 30     | 110     | 4             |

## INFORMATION

Measures are indicated in millimetres (mm), unless otherwise specified.

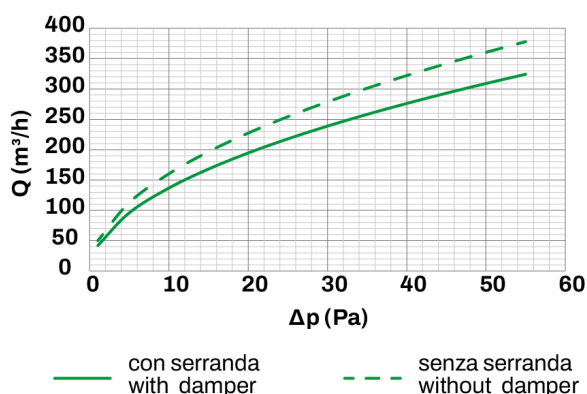
The plasterboard thickness calculated for these configurations is 12.5 mm (not included in the supply).

## CURVE DI PORTATA E PERDITE DI CARICO DIFFUSORE CON FERRITOIA DA 20 mm CON O SENZA SERRANDA, DEFLETTORI VERTICALI



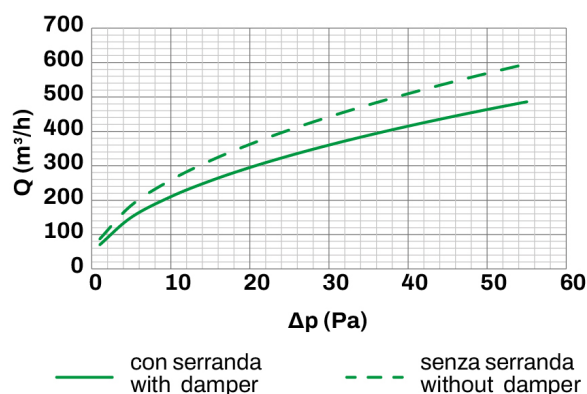
Nel caso siano già presenti delle serrande lungo l'impianto di ventilazione e sia necessario rimuovere quelle presente sul diffusore per migliorare le prestazioni, fare riferimento al paragrafo "INDICAZIONI DI SMONTAGGIO SERRANDA" indicate di seguito e considerare le prestazioni indicate nel grafico dalla linea tratteggiata.

## CURVE DI PORTATA E PERDITE DI CARICO DIFFUSORE CON FERRITOIA DA 20 mm CON O SENZA SERRANDA, DEFLETTORI ORIENTATI A DESTRA O SINISTRA



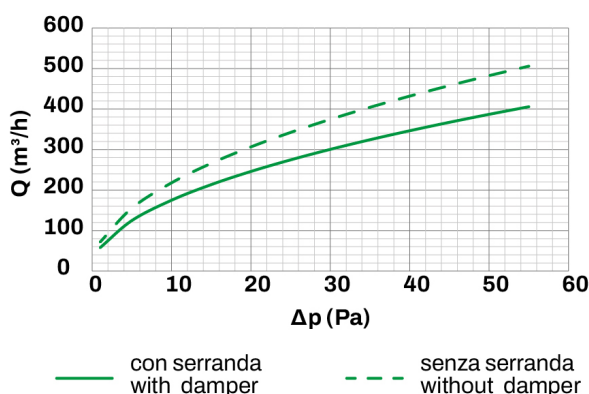
Nel caso siano già presenti delle serrande lungo l'impianto di ventilazione e sia necessario rimuovere quelle presente sul diffusore per migliorare le prestazioni, fare riferimento al paragrafo "INDICAZIONI DI SMONTAGGIO SERRANDA" indicate di seguito e considerare le prestazioni indicate nel grafico dalla linea tratteggiata.

## CURVE DI PORTATA E PERDITE DI CARICO DIFFUSORE CON FERRITOIA DA 30 mm CON O SENZA SERRANDA, DEFLETTORI VERTICALI



Nel caso siano già presenti delle serrande lungo l'impianto di ventilazione e sia necessario rimuovere quelle presente sul diffusore per migliorare le prestazioni, fare riferimento al paragrafo "INDICAZIONI DI SMONTAGGIO SERRANDA" indicate di seguito e considerare le prestazioni indicate nel grafico dalla linea tratteggiata.

## CURVE DI PORTATA E PERDITE DI CARICO DIFFUSORE CON FERRITOIA DA 30 mm CON O SENZA SERRANDA, DEFLETTORI ORIENTATI A DESTRA O SINISTRA



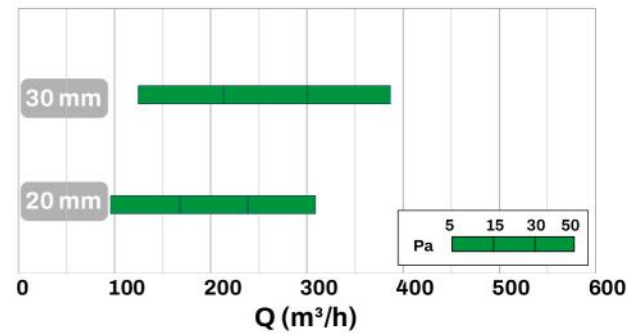
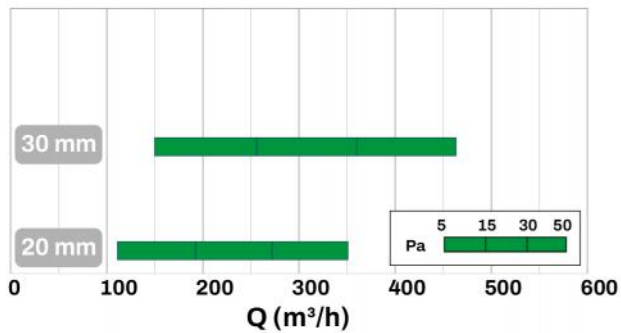
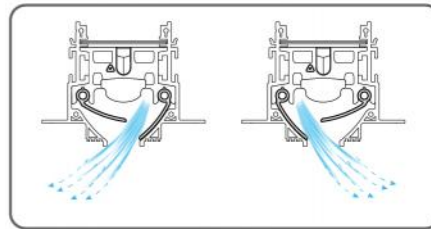
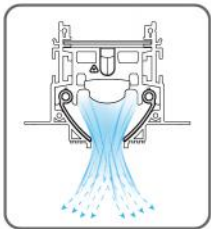
Nel caso siano già presenti delle serrande lungo l'impianto di ventilazione e sia necessario rimuovere quelle presente sul diffusore per migliorare le prestazioni, fare riferimento al paragrafo "INDICAZIONI DI SMONTAGGIO SERRANDA" indicate di seguito e considerare le prestazioni indicate nel grafico dalla linea tratteggiata.

| MODEL   | Ak [m²] | Qv min [m³/h] | Qv max [m³/h] | Lwa min [dB(A)] | Lwa max [dB(A)] | DP min [Pa] | DP max [Pa] |
|---------|---------|---------------|---------------|-----------------|-----------------|-------------|-------------|
| SLOT 20 | 0.02    | 155           | 350           | 32              | 46              | 10          | 50          |
| SLOT 30 | 0.03    | 210           | 465           | 33              | 47              | 10          | 50          |

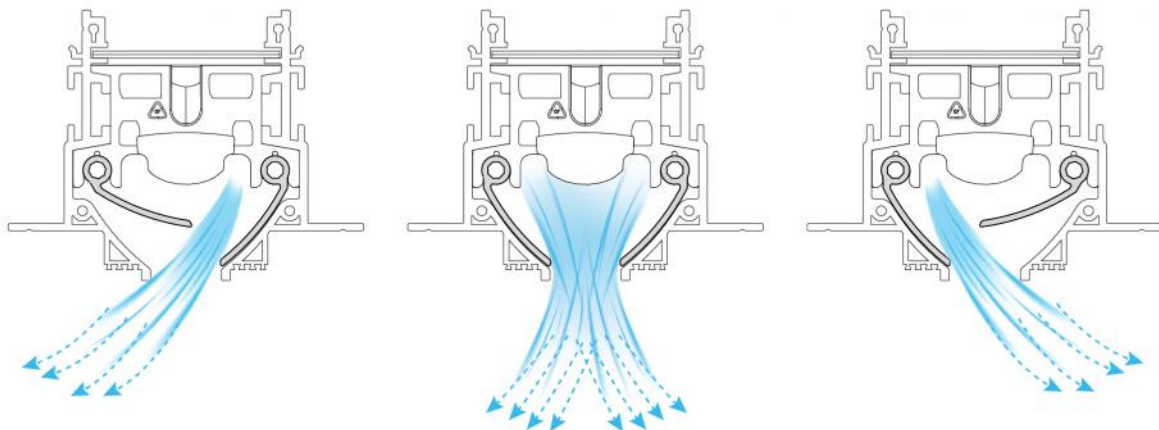
## INFORMATION

The data in the table refers to 1000 mm long linear retracting diffusers, with fully open damper and vertical baffles.

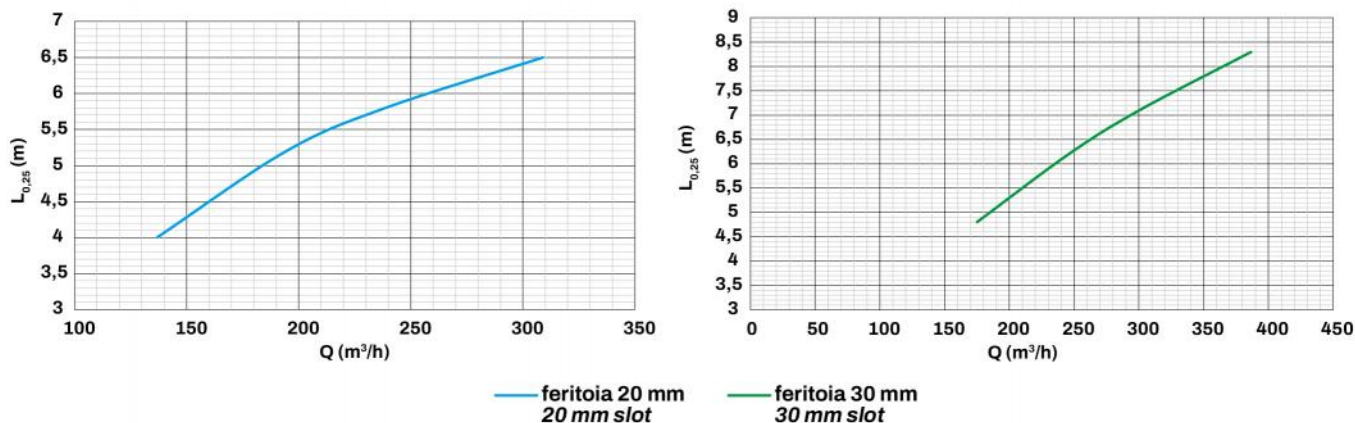
## SHORTCUT DIAGRAM



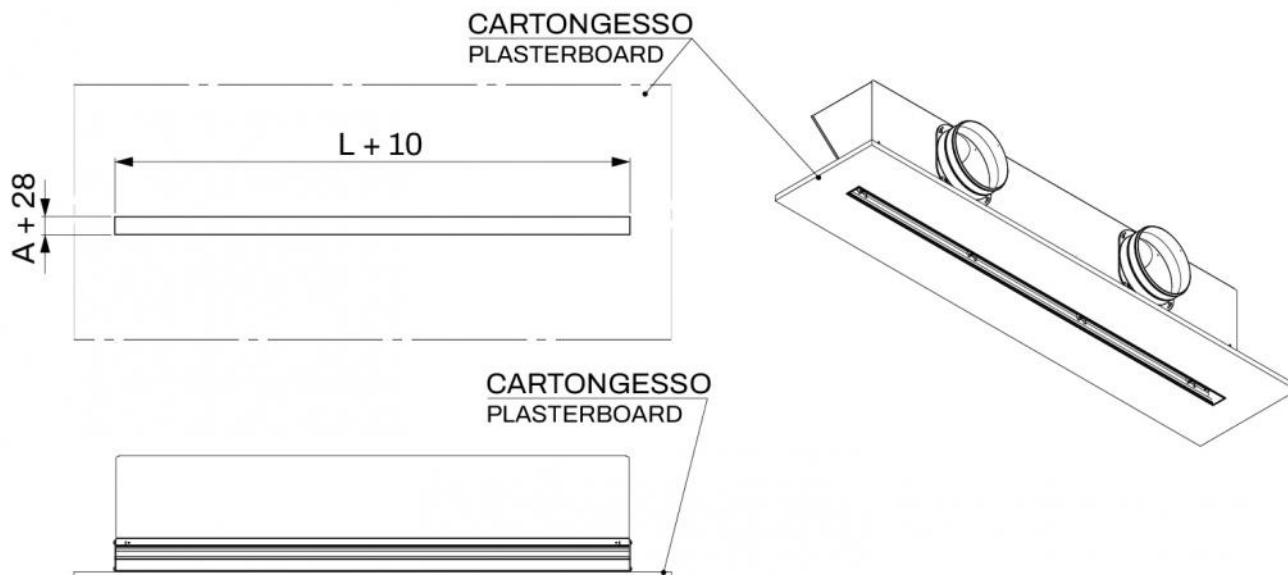
## EXAMPLE OF FLOW



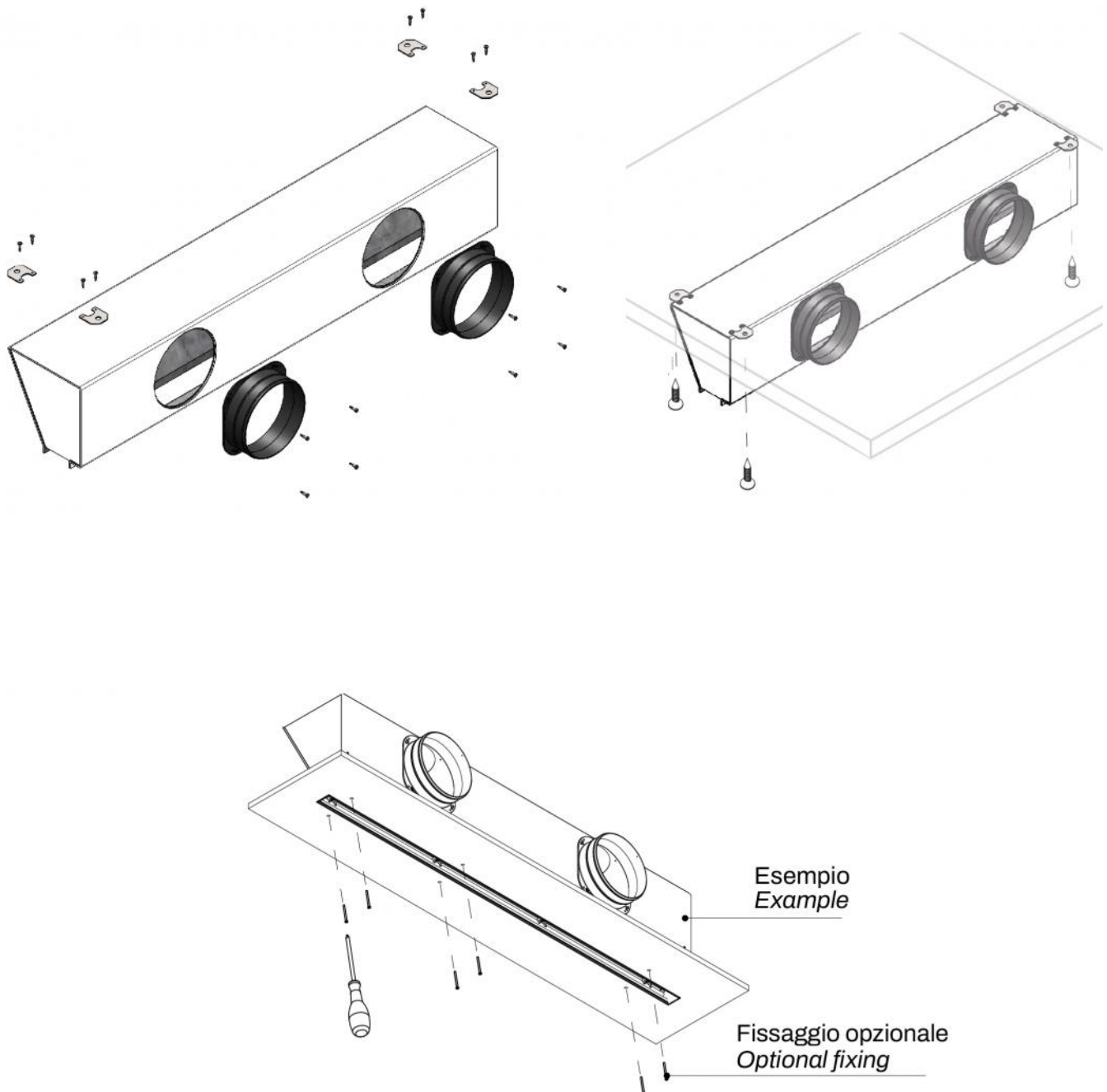
## GRAFICO LANCI ORIZZONTALI CON DEFLETTORE ORIENTATO COMPLETAMENTE A DESTRA O A SINISTRA



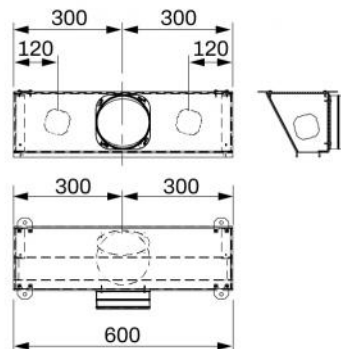
## BUILT-IN INSTALLATION BOX FOR WALLS



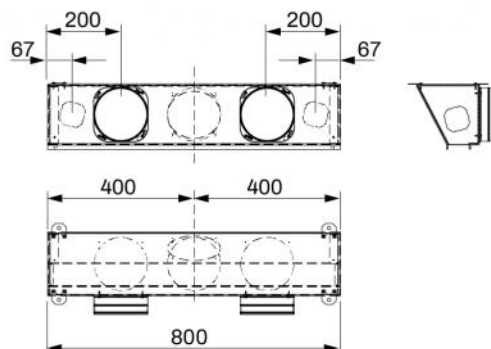
## EXAMPLE OF INSTALLATION:



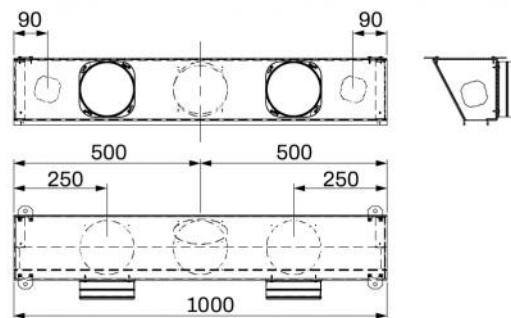
## BUILT-IN INSTALLATION BOX DIMENSIONS L. 600



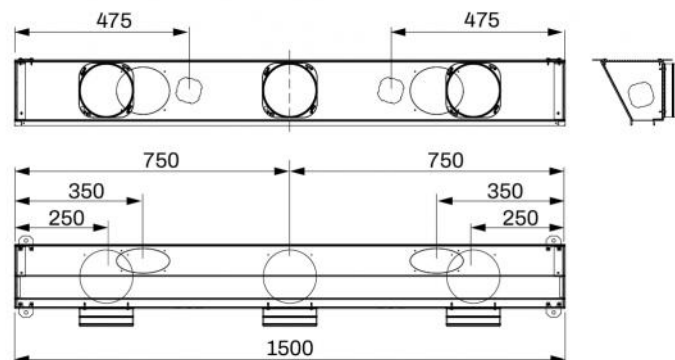
## BUILT-IN INSTALLATION BOX DIMENSIONS L. 800



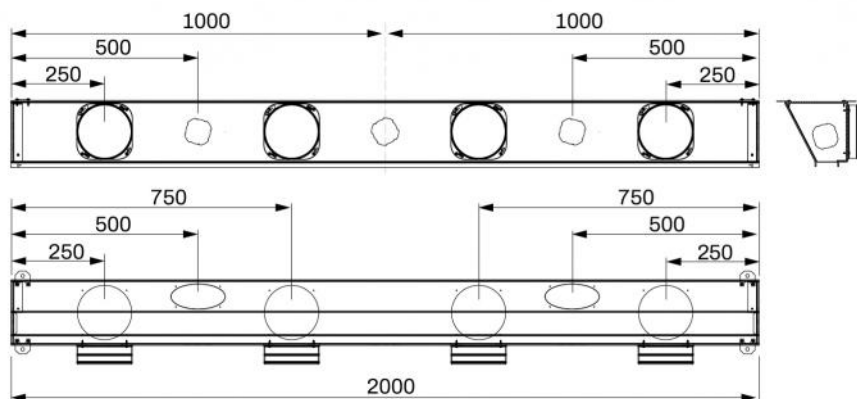
## BUILT-IN INSTALLATION BOX DIMENSIONS L. 1000



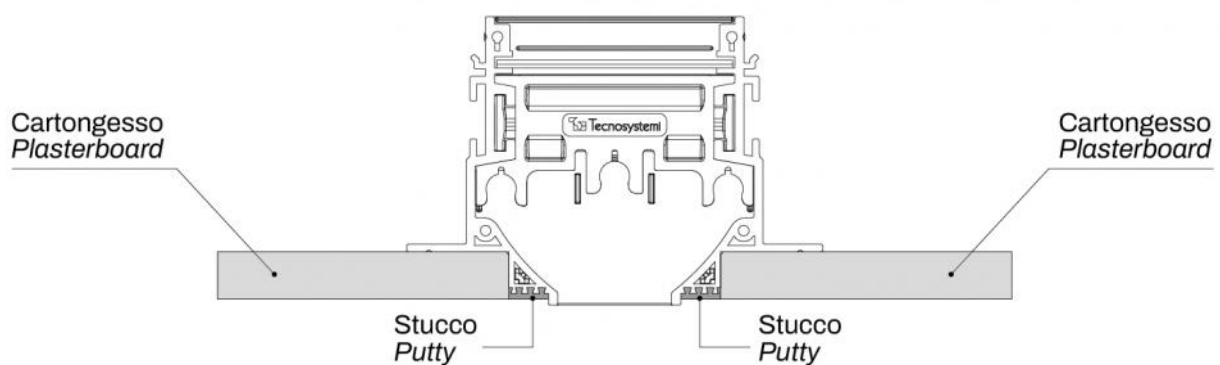
## BUILT-IN INSTALLATION BOX DIMENSIONS L. 1500

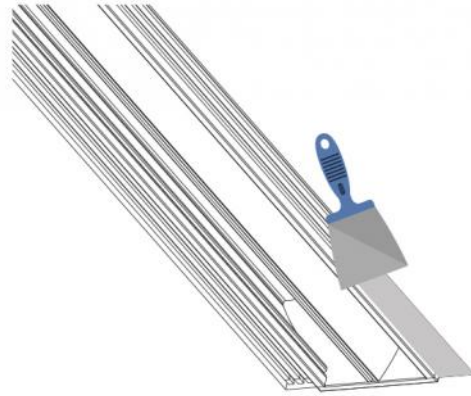
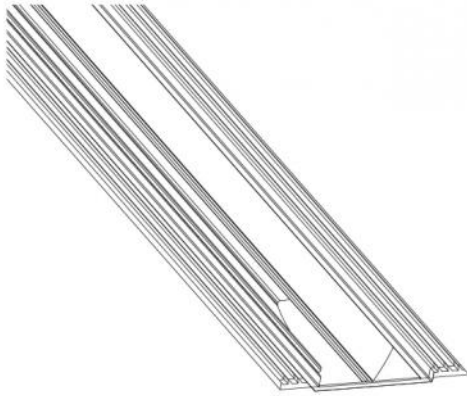


## BUILT-IN INSTALLATION BOX DIMENSIONS L. 2000

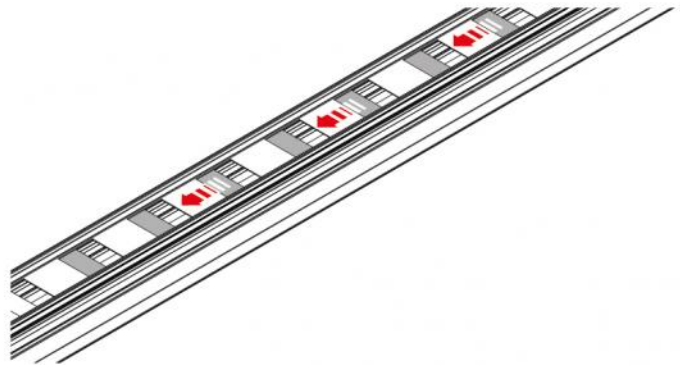
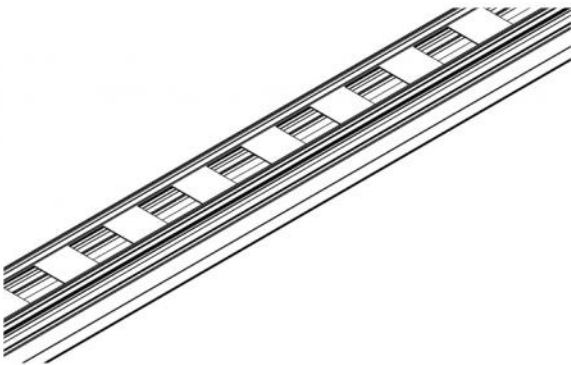


## GROUTING



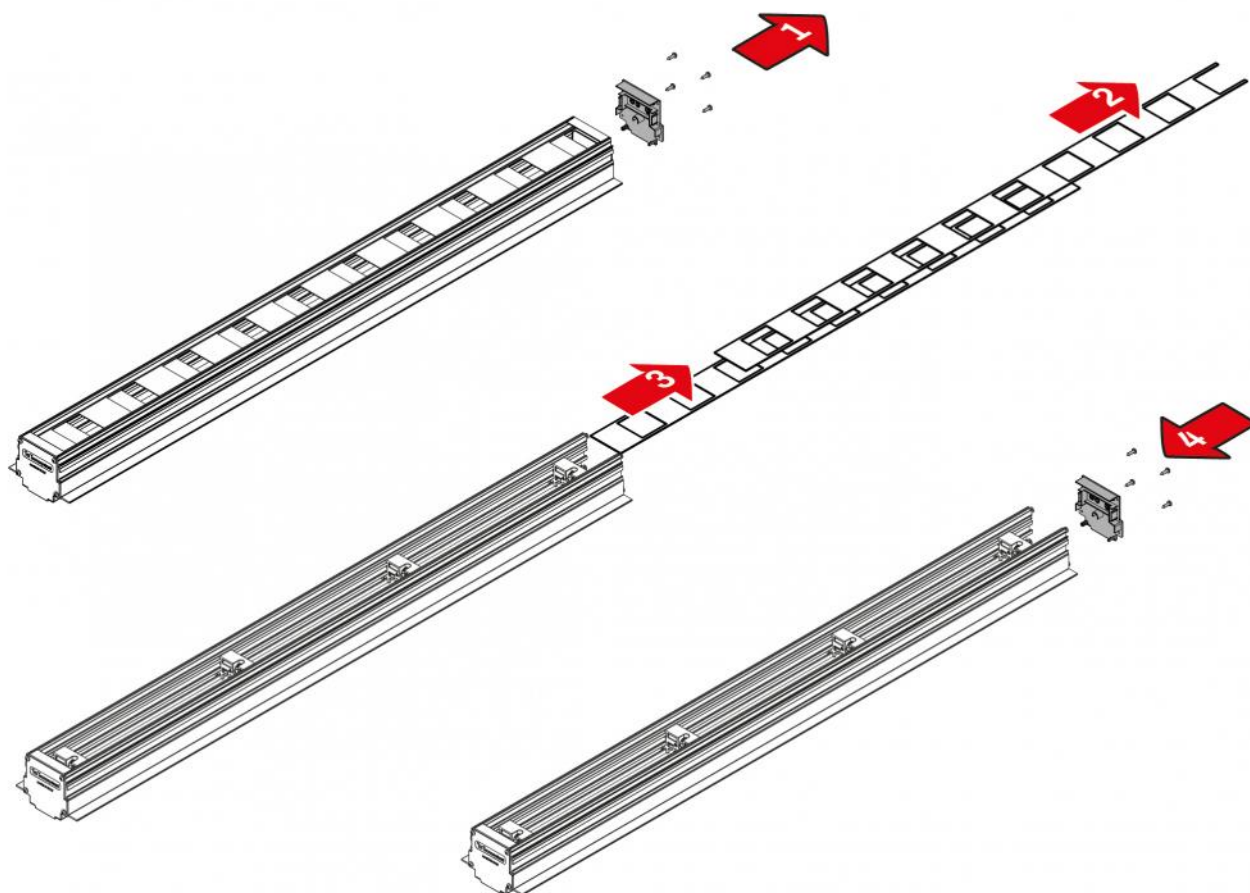


## DAMPER ADJUSTMENT

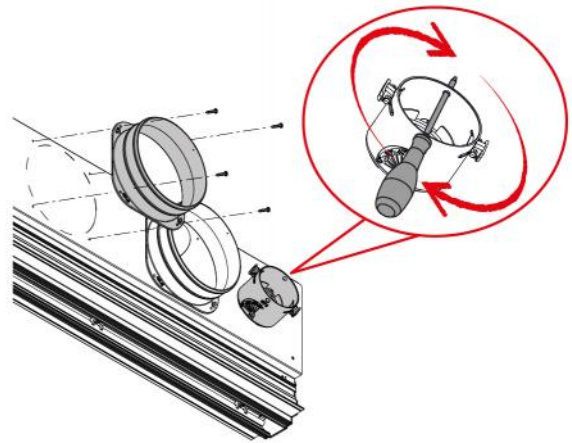
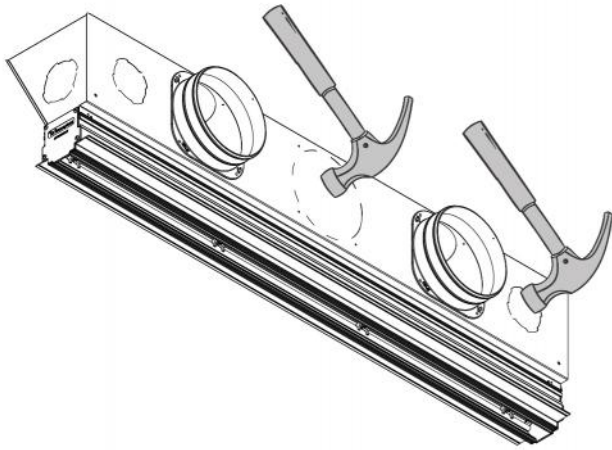


Use a screwdriver to adjust the damper, acting beneath the diffuser.

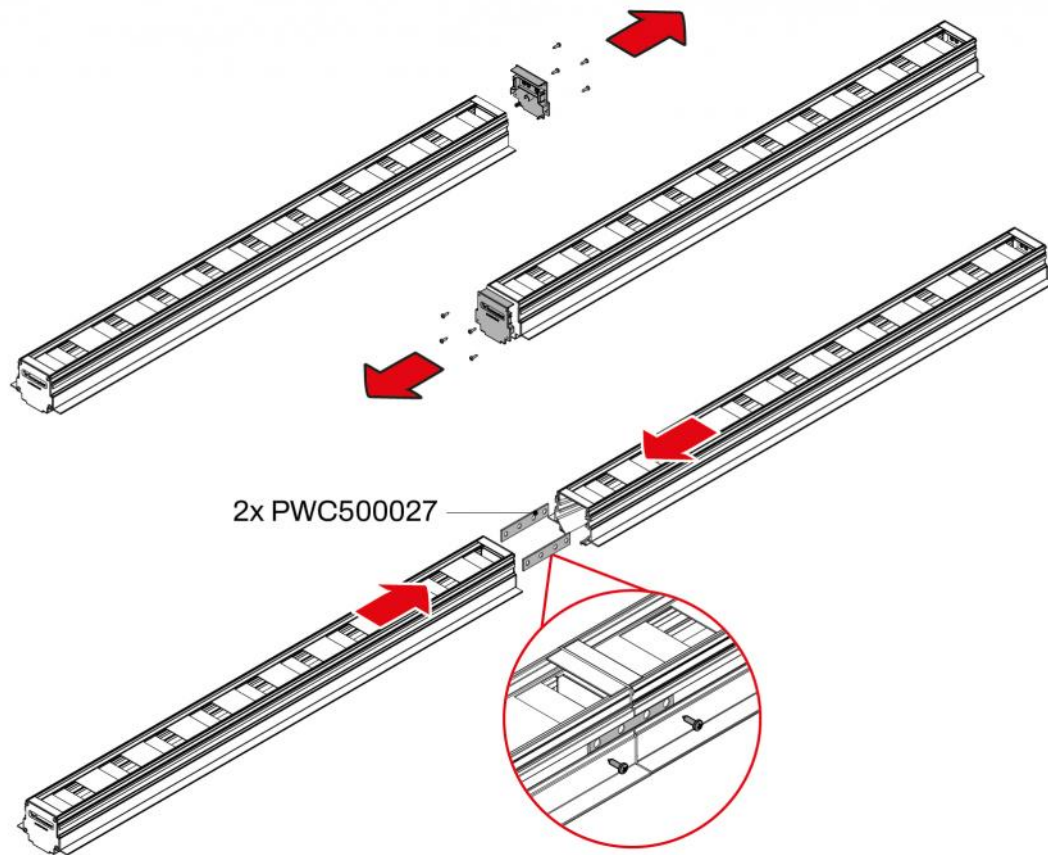
## INDICAZIONI DI SMONTAGGIO SERRANDA



## EXAMPLE OF COLLAR AND/OR VMC BUILT-IN INSTALLATION BOX INSTALLATION



## EXAMPLE OF CONTINUITY KIT FIXING



## ITEMS

| CODE      | DESCRIPTION                                        |
|-----------|----------------------------------------------------|
| PWD301535 | PLÉNUM AND SIDE DEFLECTORS L600mm SLOT 20mm WHITE  |
| PWD301536 | PLÉNUM AND SIDE DEFLECTORS L600mm SLOT 20mm BLACK  |
| PWD301543 | PLÉNUM AND SIDE DEFLECTORS L600mm SLOT 30mm WHITE  |
| PWD301544 | PLÉNUM AND SIDE DEFLECTORS L600mm SLOT 30mm BLACK  |
| PWD301551 | PLÉNUM AND SIDE DEFLECTORS L800mm SLOT 20mm WHITE  |
| PWD301552 | PLÉNUM AND SIDE DEFLECTORS L800mm SLOT 20mm BLACK  |
| PWD301559 | PLÉNUM AND SIDE DEFLECTORS L800mm SLOT 30mm WHITE  |
| PWD301560 | PLÉNUM AND SIDE DEFLECTORS L800mm SLOT 30mm BLACK  |
| PWD301567 | PLÉNUM AND SIDE DEFLECTORS L1000mm SLOT 20mm WHITE |
| PWD301568 | PLÉNUM AND SIDE DEFLECTORS L1000mm SLOT 20mm BLACK |
| PWD301575 | PLÉNUM AND SIDE DEFLECTORS L1000mm SLOT 30mm WHITE |
| PWD301576 | PLÉNUM AND SIDE DEFLECTORS L1000mm SLOT 30mm BLACK |
| PWD301583 | PLÉNUM AND SIDE DEFLECTORS L1500mm SLOT 20mm WHITE |
| PWD301584 | PLÉNUM AND SIDE DEFLECTORS L1500mm SLOT 20mm BLACK |
| PWD301591 | PLÉNUM AND SIDE DEFLECTORS L1500mm SLOT 30mm WHITE |
| PWD301592 | PLÉNUM AND SIDE DEFLECTORS L1500mm SLOT 30mm BLACK |
| PWD301599 | PLÉNUM AND SIDE DEFLECTORS L2000mm SLOT 20mm WHITE |
| PWD301600 | PLÉNUM AND SIDE DEFLECTORS L2000mm SLOT 20mm BLACK |
| PWD301607 | PLÉNUM AND SIDE DEFLECTORS L2000mm SLOT 30mm WHITE |
| PWD301608 | PLÉNUM AND SIDE DEFLECTORS L2000mm SLOT 30mm BLACK |

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