

# PVC 1-slot linear diffusers

## DL SERIES 1-SLOT PVC LINEAR DIFFUSERS



### FEATURES

Slotted linear diffuser with directional nozzle terminals (series -DL/1A---) or without directional nozzles (-DL/1B---B series).

#### Construction materials

- For the body-frame: anti-condensation PVC.
- For directional nozzles and their supports (for -DL/1A---): ABS

#### Color

- For the body-frame: white RAL 9010.
- For directional nozzles and their supports (for the -DL/1A--- series): black RAL 9005.
- For directional nozzles and their supports (for the -DL/1A---B series): white RAL 9010.

#### Degree of extinction

Class V0.

#### Operating temperature

-30°C/+60°C.

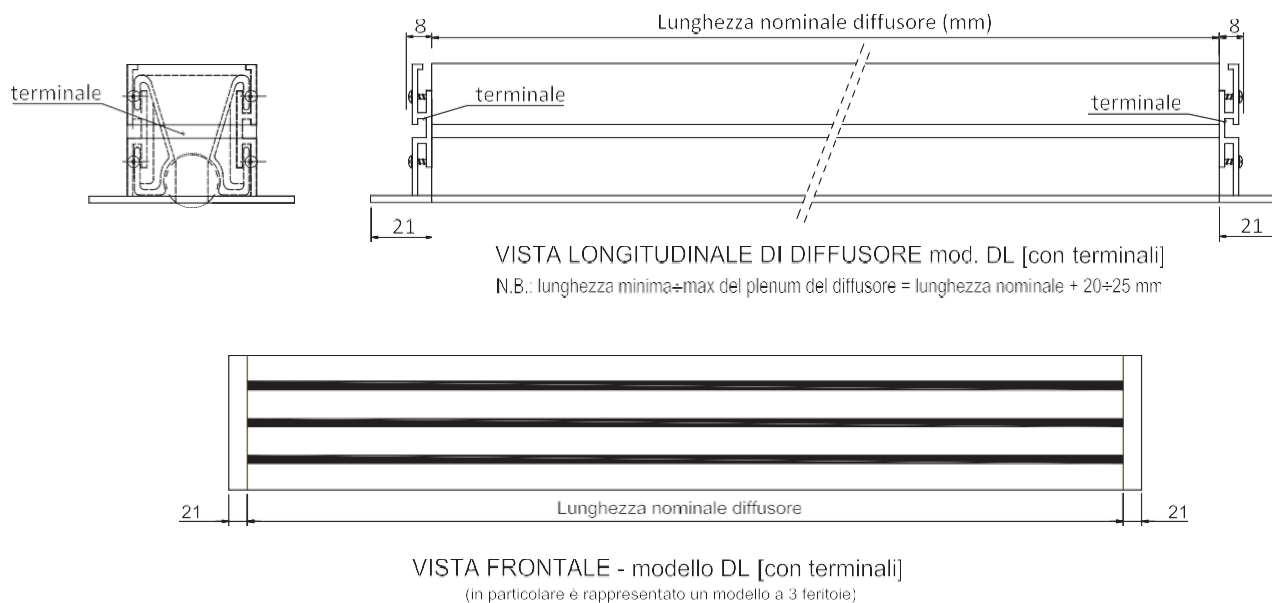
#### Fixing method

Variable depending on the plenum to which the diffuser is associated.

### ACCESSORIES (optional)

- ADF-EASYP series anti-condensation PVC plenum (see related data sheet).
- PVC anti-condensation sliding damper ADF-S/04 series (only in combination with PVC plenum).
- Plenum made of expanded polyisocyanurate PAL/04 series.
- Sheet metal sliding damper series -S/04 (not suitable for PVC plenums).

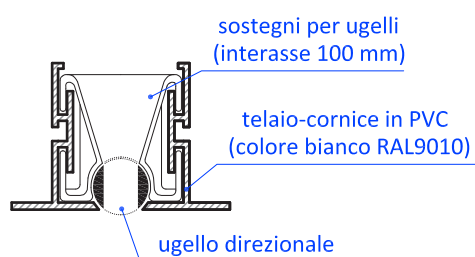
### DIMENSIONS FOR A GENERIC DL SERIES LINEAR DIFFUSER



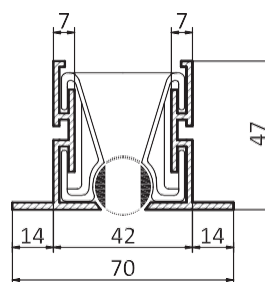
## QUICK SELECTION TABLE

| Code        | Number of slots | Diffuser length<br>[mm] | Effective area<br>[m <sup>2</sup> ] | Flow rate (m <sup>3</sup> /h) with<br>v = 1 m/s<br>Pressure drop: 2 Pa | Flow rate (m <sup>3</sup> /h) with<br>v = 2 m/s<br>Pressure drop: 4 Pa | Flow rate (m <sup>3</sup> /h) with<br>v = 2,5 m/s<br>Pressure drop: 6 Pa | Flow rate (m <sup>3</sup> /h) with<br>v = 3 m/s<br>Pressure drop: 9 Pa | Flow rate (m <sup>3</sup> /h) with<br>v = 4 m/s<br>Pressure drop: 13 Pa |
|-------------|-----------------|-------------------------|-------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------|--------------------------------------------------------------------------|------------------------------------------------------------------------|-------------------------------------------------------------------------|
| -DL/1A600_  | 1               | 600                     | 0.0090                              | 33                                                                     | 65                                                                     | 83                                                                       | 99                                                                     | 132                                                                     |
| -DL/1A800_  | 1               | 800                     | 0.0120                              | 43                                                                     | 86                                                                     | 108                                                                      | 129                                                                    | 172                                                                     |
| -DL/1A1000_ | 1               | 1000                    | 0.0150                              | 54                                                                     | 108                                                                    | 135                                                                      | 162                                                                    | 216                                                                     |
| -DL/1A1200_ | 1               | 1200                    | 0.0180                              | 65                                                                     | 129                                                                    | 162                                                                      | 194                                                                    | 259                                                                     |
| -DL/1A1600_ | 1               | 1600                    | 0.0235                              | 87                                                                     | 174                                                                    | 218                                                                      | 261                                                                    | 348                                                                     |
| -DL/1A2000_ | 1               | 2000                    | 0.0300                              | 108                                                                    | 216                                                                    | 270                                                                      | 324                                                                    | 432                                                                     |

## SECTIONAL DRAWINGS



SEZIONE descrittiva



SEZIONE modello a 1 feritoia

Grafico del lancio (in metri, a velocità terminale di 0,25 m/s) dei diffusori lineari serie DL con ugelli di lunghezza 600 mm a 1, 2, 3, 4 feritoie

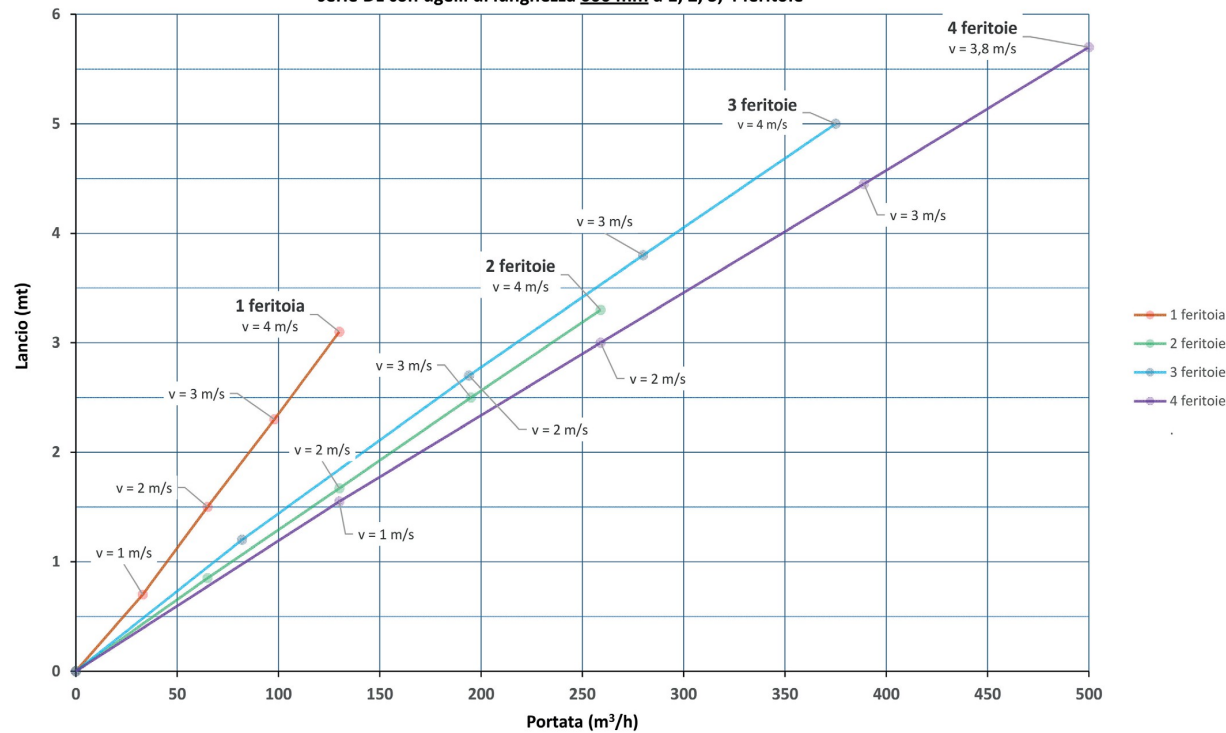


Grafico del lancio (in metri, a velocità terminale di 0,25 m/s) dei diffusori lineari serie DL con ugelli di lunghezza 800 mm a 1, 2, 3, 4 feritoie

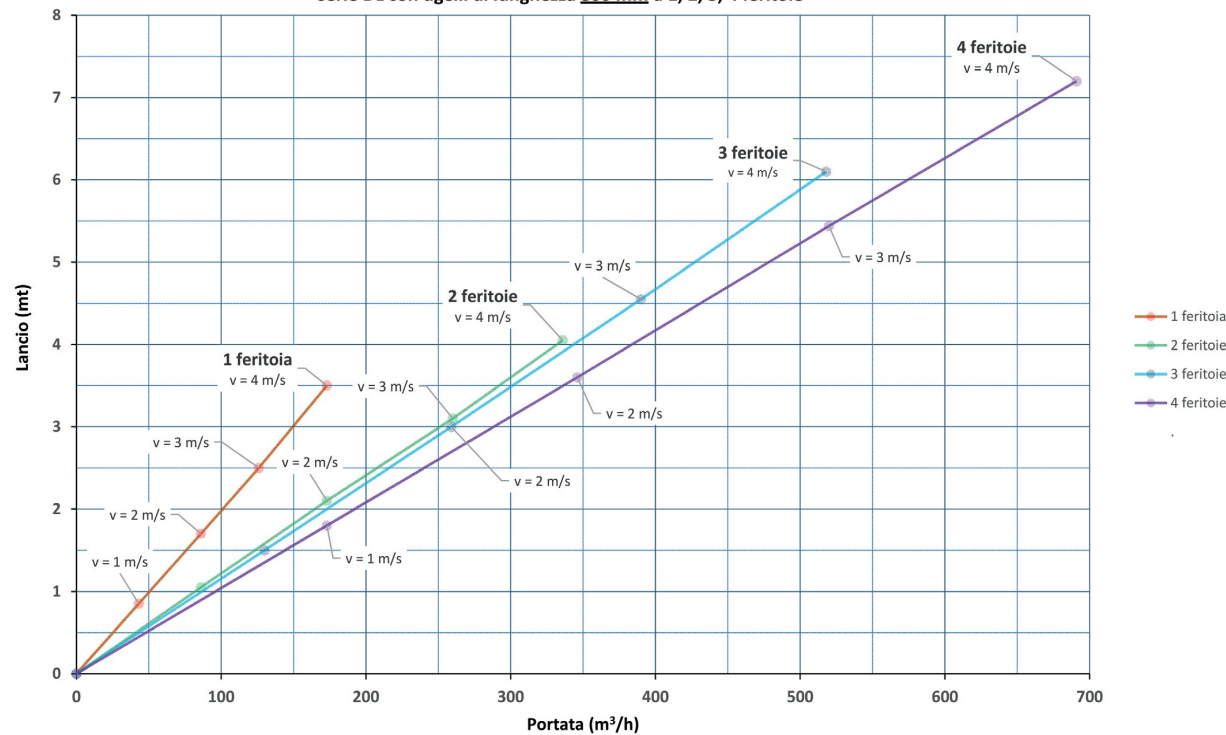


Grafico del lancio (in metri, a velocità terminale di 0,25 m/s) dei diffusori lineari serie DL con ugelli di lunghezza 1000 mm a 1, 2, 3, 4 feritoie

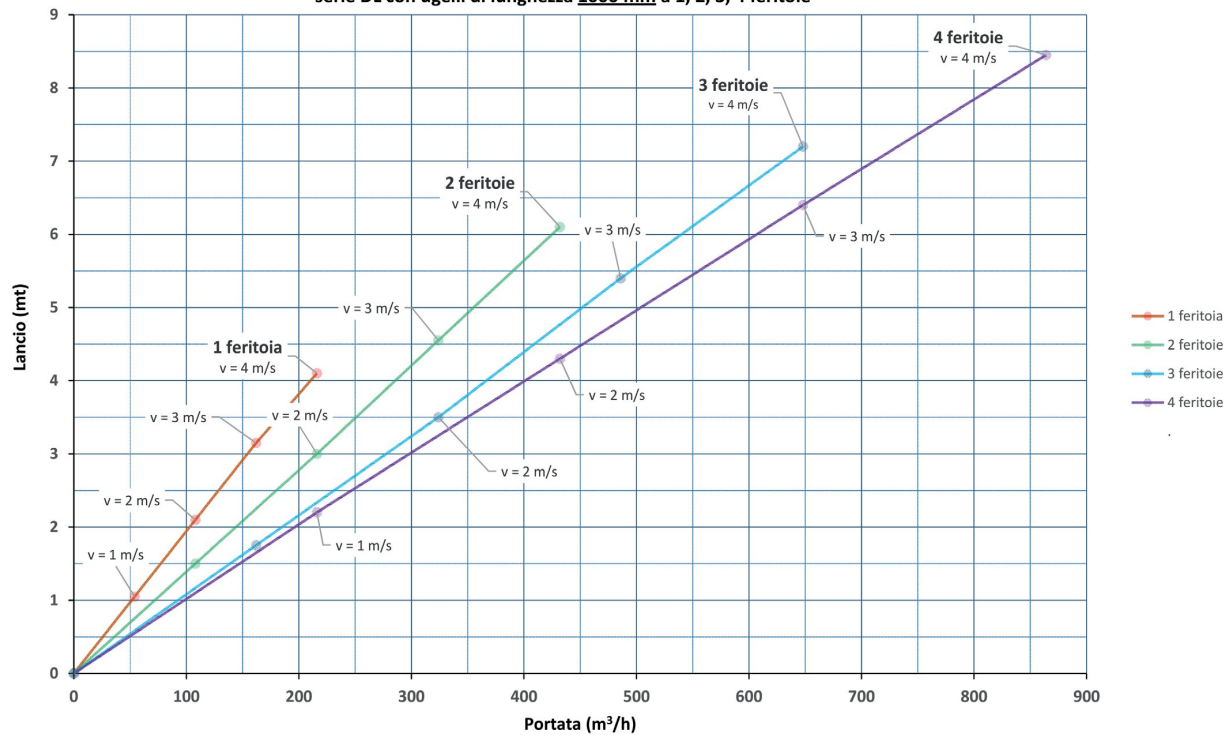


Grafico del lancio (in metri, a velocità terminale di 0,25 m/s) dei diffusori lineari serie DL con ugelli di lunghezza 1200 mm a 1, 2, 3 feritoie

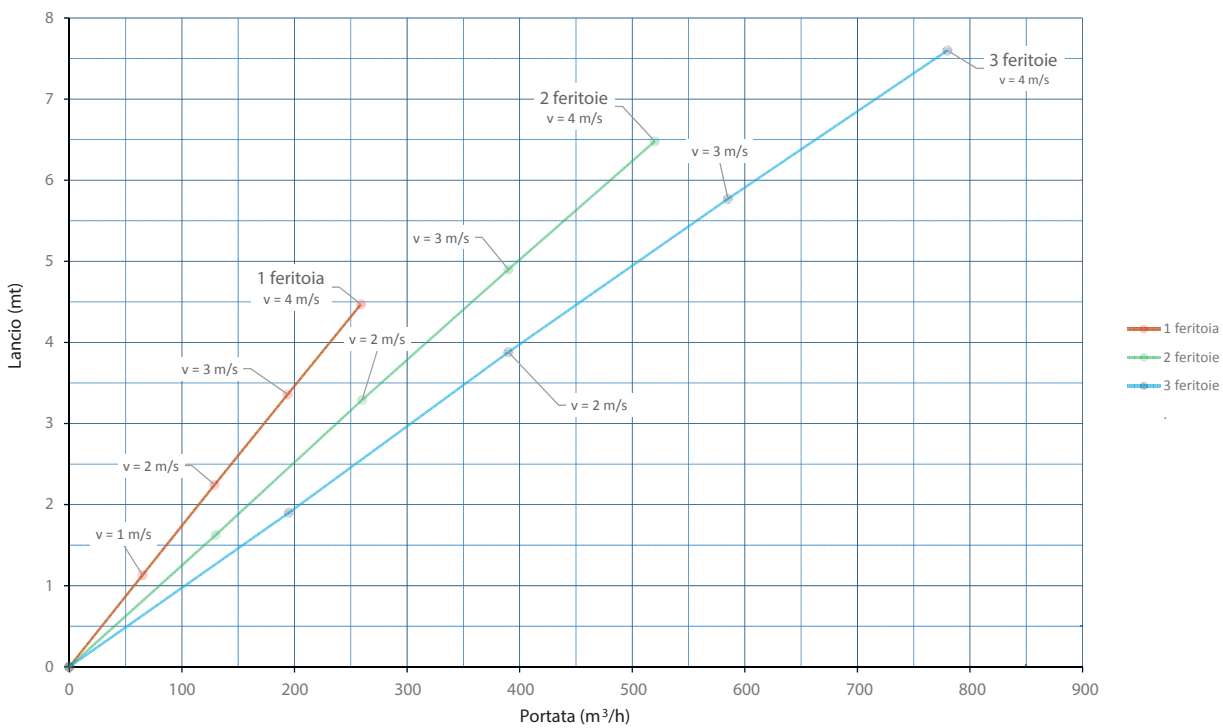


Grafico del lancio (in metri, a velocità terminale di 0,25 m/s) dei diffusori lineari serie DL con ugelli di lunghezza **1600 mm** a 1, 2, 3 feritoie

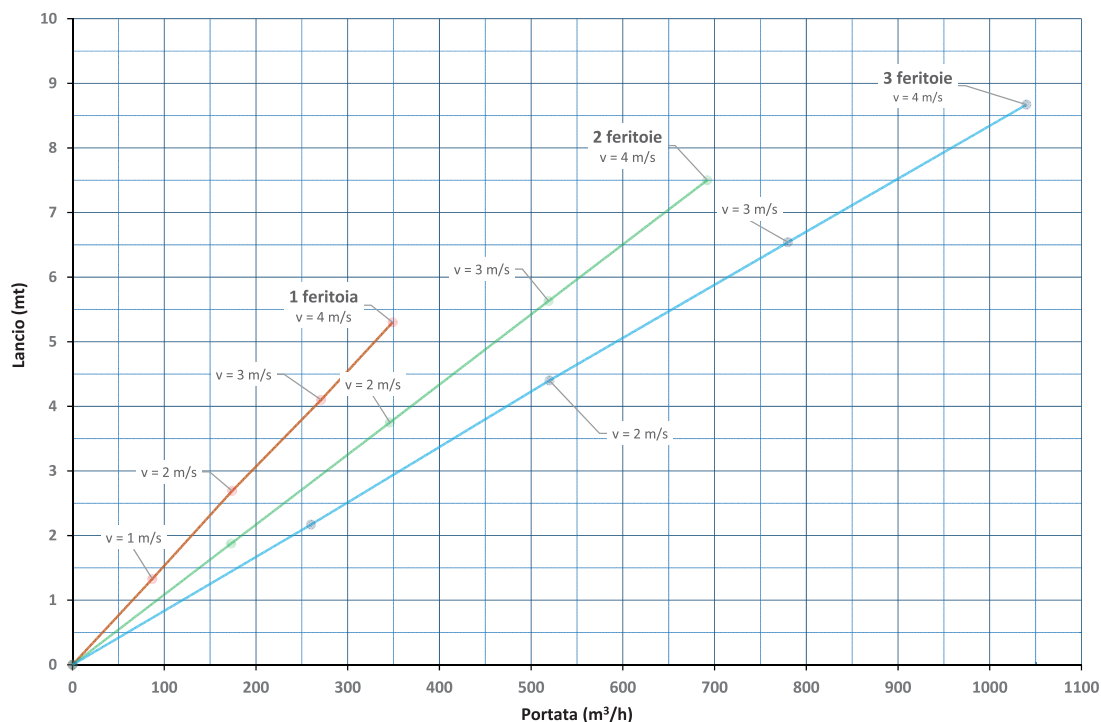


Grafico del lancio (in metri, a velocità terminale di 0,25 m/s) dei diffusori lineari serie DL con ugelli di lunghezza **2000 mm** a 1, 2, 3, 4 feritoie

