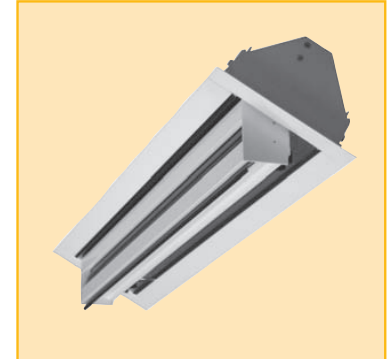
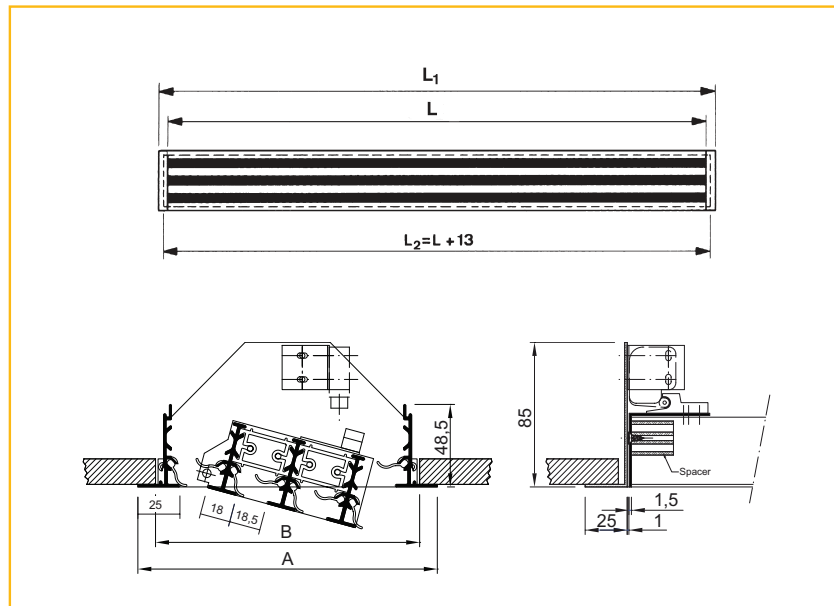


# ADJUSTABLE SLOT DIFFUSER WITH DOOR

## TYPE: SE700

### Installation dimensions



### Application

The slot diffuser type SE700 is used for the supply and exhaust of cooled and heated air in facilities such as offices, shops, meeting rooms, ...

It is designed for ceiling or sidewall mounting and is available from 3 to 8 slots. Each slot is individually adjustable and equipped with 2 deflector vanes of a special design to minimise the internal turbulences. An ideal air supply pattern, adjustable over 180° can be obtained. All lengths are available, so the diffuser is perfect to fit in each ceiling system.

|               | Number of slots |     |       |     |       |     |
|---------------|-----------------|-----|-------|-----|-------|-----|
|               | 3               | 4   | 5     | 6   | 7     | 8   |
| <b>A (SE)</b> | 141,5           | 178 | 214,5 | 251 | 287,5 | 324 |
| <b>B</b>      | 121             | 157 | 193   | 230 | 266   | 303 |

L = slot length

SE :  $L_1 = L + 50$

All dimensions in mm

$L_2$  , B = minimum ceiling opening

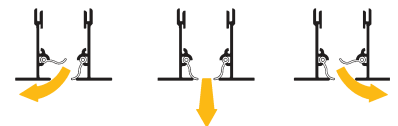
E = 25

### Technical information

#### Characteristics:

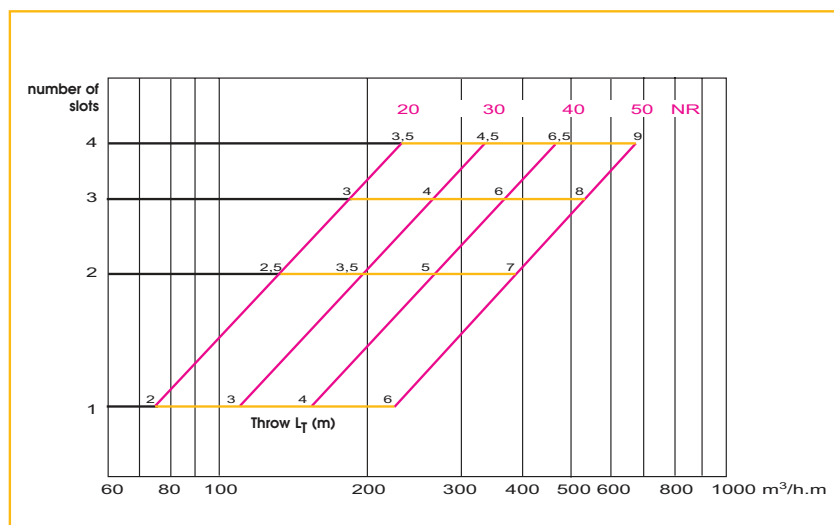
- **SE700**: available from 3 to 8 slots
- all lengths available (in steps of 1mm) from 300 mm up to 2000 mm in one piece
- frame 25 mm
- exhaust: without deflectors
- supply: horizontal or vertical air supply pattern possible through adjustable deflectors

#### Adjustment possibilities:



Available with plenum box; up to a length of 1600 mm supplied with one circular inlet, over 1600 mm two circular inlets.

### Fast selection diagram



Throw factor is based on a  $v_f$  of 0,17 m/s in the occupied zone.

See page 4 012 for a detailed selection.

# ADJUSTABLE SLOT DIFFUSER WITH DOOR

## TYPE: SE700

### construction:

- **SE700:** extruded aluminium and natural tone anodised aluminium with black extruded aluminium deflectors
- **plenum:** galvanised steel sheet, optional insulation.

### Specification description

#### Example:

Aluminium linear diffuser with 3 exhaust slots and adjustable deflectors. Plenum can be supplied mounted or separate, with internal insulation, with circular inlet spigot. Natural to anodised diffuser, black aluminium deflectors

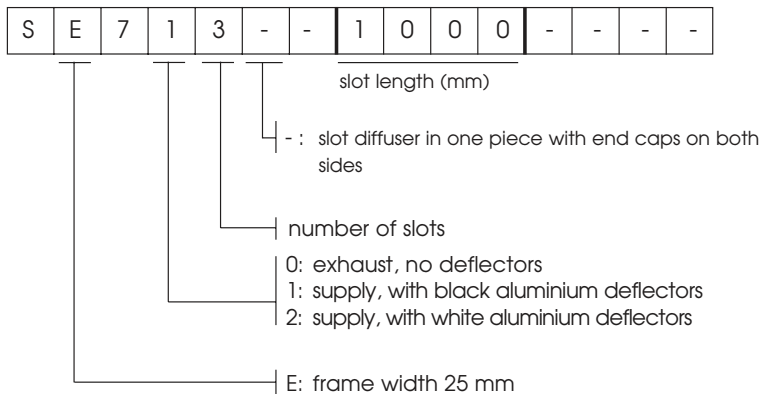
**Type: SE713 + SP723 G**  
 L = ... mm

### Fixing

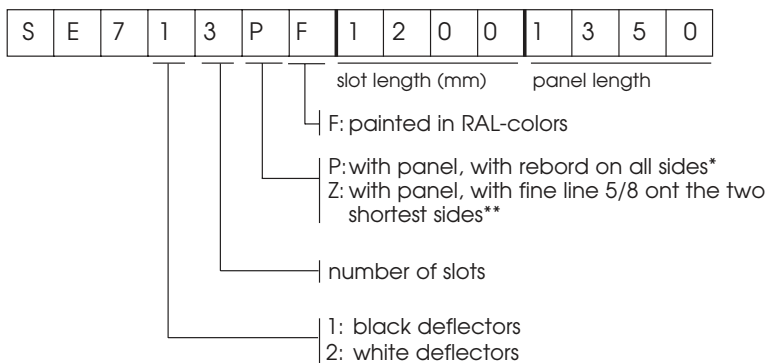
- Either by direct and fixed mounting of the diffuser on the plenum (mounting by Grada upon request).
- Plenum provided with mounting eyes (Ø 7 mm), mounting straps available upon request.

### How to order

SE713 with 3 slots and black aluminium deflectors



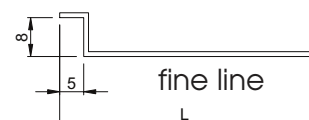
Slot diffuser in a panel



\* All panels have a width of 300 mm with rebord on all sides and a flange of 10 mm at all sides

\*\* All panels have a width of 300 mm with rebord on two sides and a flange of 10 mm at the longest side. The length of the panel is the total length, fine line included

remark: the length of the panel must be 55 mm longer than the nominal length of the diffuser.



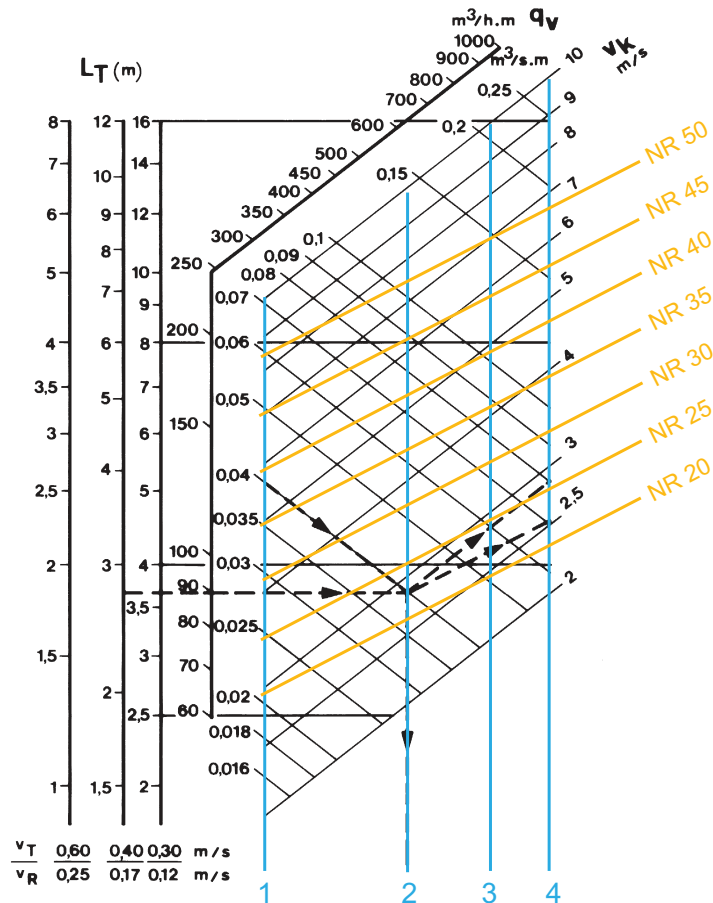
# ADJUSTABLE SLOT DIFFUSER TYPE: S700

## Selection diagram - supply

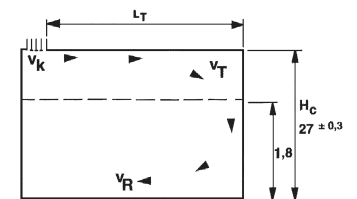
Type S-600

- with ceiling effect
- damper completely open

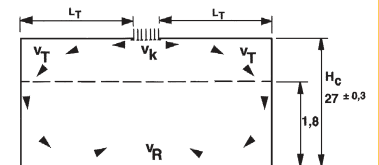
Valid for cooling up to  $\Delta t_s = -12$  K  
Valid for heating up to  $\Delta t_s = +20$  K



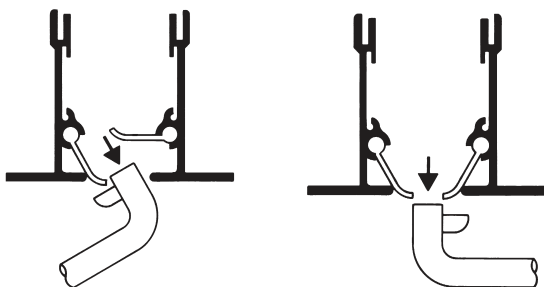
Ceiling one-way exhaust pattern



Ceiling two-way exhaust pattern



## Air flow rate measurement - supply



Velometer jet 2220 A or 6070

| $A_k$ - values ( $m^2/m$ ) |                 |        |        |        |
|----------------------------|-----------------|--------|--------|--------|
|                            | Number of slots |        |        |        |
|                            | 1               | 2      | 3      | 4      |
| $A_k$                      | 0,0071          | 0,0142 | 0,0213 | 0,0285 |

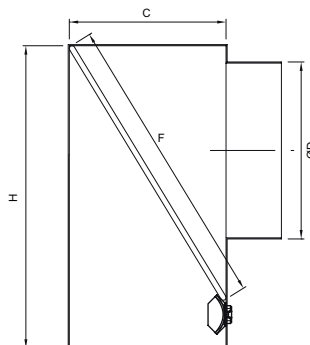
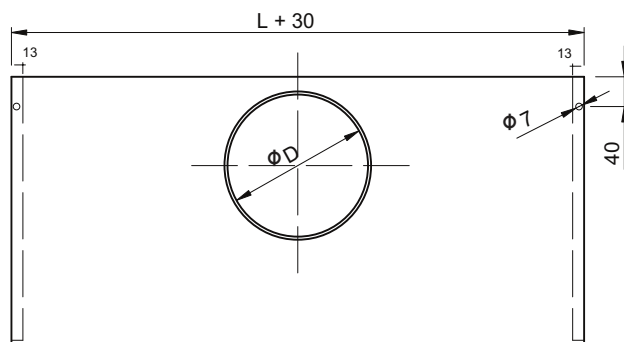
# PLENUM FOR ADJUSTABLE SLOT DIFFUSER WITH DOOR

## TYPE: SP700

### Installation Dimensions

SP720 • SP760

For direct are fixed mounting (for SE700)



|     | Number of slots |     |       |     |       |     |
|-----|-----------------|-----|-------|-----|-------|-----|
|     | 3               | 4   | 5     | 6   | 7     | 8   |
| Ø D | 198             | 198 | 248   | 248 | 313   | 313 |
| H   | 270             | 320 | 370   | 370 | 420   | 420 |
| C   | 105,5           | 142 | 178,5 | 215 | 251,5 | 288 |
| F   | 249             | 310 | 371   | 390 | 451   | 473 |
| H   | 270             | 320 | 370   | 370 | 420   | 420 |

#### Execution:

Supplied with removable filter type XFI (dimensions L x F)

L = slot length

All dimension in mm

### How tot order

SP700 for a slot diffuser with 3 slots, insulated, for direct and fixed mounting, no damper, L = 1000 mm, delivered separately

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S | P | 7 | 2 | 3 | - | - | 0 | 1 | 6 | 0 | 1 | 0 | 0 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

spigot diameter slot length (mm)

- : non insulated plenum

G: internally insulated plenum

H: plenum insulated at the top and on the opposite side of the inlet

- : one piece

number of slots

2: for direct fixed mounting, without damper

6: for direct fixed mounting, with damper and with mounting straps\*

\* for mounting of the plenum into the ceiling