

PLASTICS VENTS
Exhaust - supply

anjos

inspirer le bien-être

TP 80 - TP 125

Ø 80 - 125 mm

Plastic
Ceiling or wall mounting



TP 80 - TP 125

- Fit:
 - directly onto rigid ducts (via a foam gasket to seal the valves and hold them securely in place)
 - in combination with a 3-pronged plasterboard sleeve, ceiling-embedded sleeve or elbow sleeve for dia. 80 mm valve kits with sleeve
- Made entirely of polystyrene
- Easy to remove for cleaning

Presentation

TP 80 and TP 125 exhaust valves are made of white plastic and are generally suited for applications in single-family houses. They are used to supply and exhaust air in single and dual-flow mechanical extract ventilation systems. They may also be used with or without a flow control device in commercial spaces. They may also be used with or without a flow control device in commercial spaces.

TP 80

Ø 80 mm



TP 80 vents are made of entirely of polystyrene and fit directly into dia. 80 mm rigid ducts and feature a lip gasket for a tight seal and fit. They may be combined with 3-pronged plasterboard sleeves, ceiling-embedded sleeves or elbow sleeves (see kits opposite)

| | Height (mm) | Width (mm) | Thickness (mm) |
|-------|-------------|------------|----------------|
| TP 80 | 103 | 118 | 13 |

TP 125

Ø 125 mm



TP 125 valves are made of entirely of polystyrene and fit directly into dia. 125 mm rigid ducts and feature a lip gasket for a tight seal and fit. They may be combined with 3-pronged plasterboard sleeves or ceiling-embedded sleeves (see kits opposite)

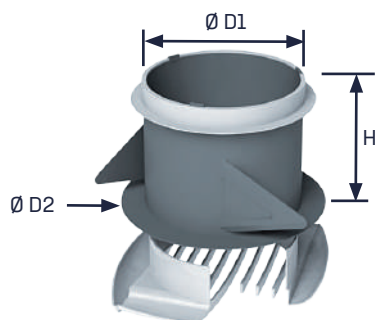
| | Height (mm) | Width (mm) | Thickness (mm) |
|--------|-------------|------------|----------------|
| TP 125 | 163 | 180 | 21 |

Installation

The vents push-fit directly into rigid ducts or onto plasterboard sleeves or already-fitted ceiling-embedded ducts.

Vent + sleeve kit

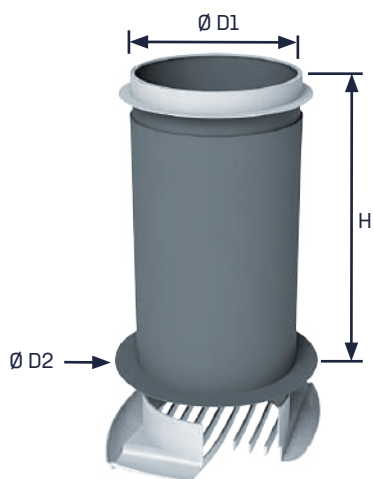
TP 80 and TP 125
Plasterboard



Kit designed to be fitted inside plasterboard ceilings (130 mm hole for TP 125 plasterboard - 85 mm hole for TP 80 plasterboard). The plastic plasterboard sleeve features three prongs for a secure fit. The lip gasket ensures a tight seal and fit with ducts. The vent push-fits directly in place.

| | Ø D1 (mm) | Ø D2 (mm) | H (mm) |
|---------------------|-----------|-----------|--------|
| TP 80 plasterboard | 78 | 99 | 100 |
| TP 125 plasterboard | 122 | 159 | 100 |

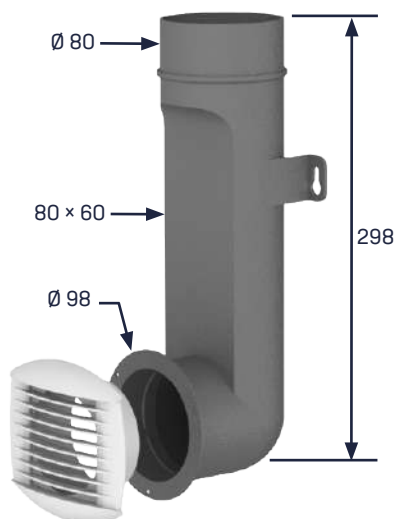
TP 80 et TP 125
Ceiling



Kit designed to be fitted within ceiling-embedded sleeves. The sleeve is made of plastic. The lip gasket ensures a tight seal and fit with ducts. The vent push-fits into place and is secured by the bottom collar.

| | Ø D1 (mm) | Ø D2 (mm) | H (mm) |
|----------------|-----------|-----------|--------|
| TP 80 ceiling | 78 | 98 | 275 |
| TP 125 ceiling | 122 | 154 | 275 |

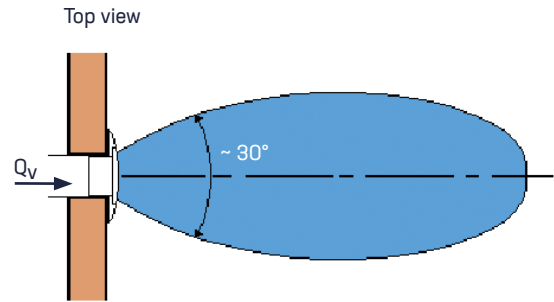
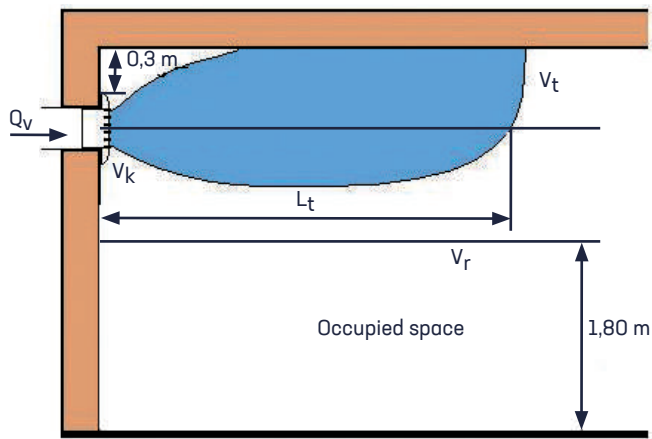
TP 80
+ MC 80



Kit designed to be fitted inside partition walls, with the vent located around 20 mm from the ceiling. The plastic elbow sleeve is fitted with two brackets.

Its size and shape make it an easy fit on vertical walls. The valve push-fits into place and is secured by the collar.

Characteristics



The throw distance L_t (m) measured along the axis of the diffuser is determined for a vent velocity $V_t=0.25$ m/s, i.e. a residual velocity within the occupied zone $V_r=0.5 V_t=0.12$ m/s. This velocity is recommended for comfort applications.

The tests were conducted using a wall-fitted vent with Coanda effect and without an adjustment damper or flow regulator.

| Valve type | Q_v (m ³ /h) | Supply | | | | Exhaust | | |
|------------|------------------------------|---------|-------------|-----------|---------------|---------|-------------|---------------|
| | | DP (Pa) | V_k (m/s) | L_t (m) | L_w (dB(A)) | DP (Pa) | V_k (m/s) | L_w (dB(A)) |
| TP 80 | 15 | <2 | 1,5 | 1,0 | <20 | 2 | 1,7 | <20 |
| | 30 | 5 | 3,0 | 1,5 | 22 | 8 | 3,5 | 21 |
| | 45 | 10 | 4,5 | 2,5 | 30 | 18 | 5,3 | 26 |
| | 60 | - | - | - | - | 28 | 7,0 | 28 |
| | 75 | - | - | - | - | 45 | 8,8 | 33 |
| TP 125 | 45 | <2 | 2,0 | 1,0 | <20 | 3 | 1,8 | <20 |
| | 60 | <2 | 2,7 | 1,5 | <20 | 4 | 2,4 | <20 |
| | 75 | 3 | 3,4 | 2,5 | 21 | 6 | 2,9 | 20 |
| | 90 | 4 | 4,0 | 3,5 | 25 | 8 | 3,5 | 23 |
| | 120 | - | - | - | - | 16 | 4,7 | 26 |
| | 150 | - | - | - | - | 23 | 5,8 | 31 |
| | 180 | - | - | - | - | 30 | 7,0 | 33 |

Q_v : flow rate of the air supplied or extracted by the vent

V_k : air velocity at the diffusion louvres

dP: total pressure drop of the vent

L_w : sound power level

Product codes

| Description | Code |
|---|------|
| BS 80 vent with gasket | 1515 |
| TP 80 P kit = TP 80 + 3-pronged plasterboard sleeve (dia. 80 mm × L 100 mm) with gasket (wrapped) | 1519 |
| TP 80 D kit = TP 80 + ceiling sleeve (dia. 80 mm × L 275 mm) with gasket + plastic collar (wrapped) | 1517 |
| TP 80 MC kit = TP 80 with gasket + dia. 80 mm MC elbow sleeve (wrapped) | 1520 |

| Description | Code |
|--|------|
| BS 125 vent with gasket | 1505 |
| TP 125 P kit = TP 125 + 3-pronged plasterboard sleeve (dia. 125 mm × L 100 mm) with gasket (wrapped) | 1509 |
| TP 125 D kit = TP 125 + ceiling sleeve (dia. 125 mm × L 275 mm) with gasket + plastic collar (wrapped) | 1507 |