VENT ONE 100

tecanno
TECHNOLOGY MEETS DESIGN

SURFACE-MOUNTED AIR VENT FOR SUPPLY AND EXHAUST AIR

DESCRIPTION

- Surface-mounted air vent for supply and exhaust air, for flexible use in all interior spaces
- Installation on ceilings and walls
- 100 percent free cross section for DN 100 air ducts
- Combination option with tecanno inserts for air regulation and filtration
- Flush cover guarantees unchanging design
- Symmetrical, flow-optimised passage of air
- Protected design patent, hand crafted in Germany
- Made of sheet steel with electrostatic powder coating (RAL colour 9016-20, layer thickness approx. 60 µm)
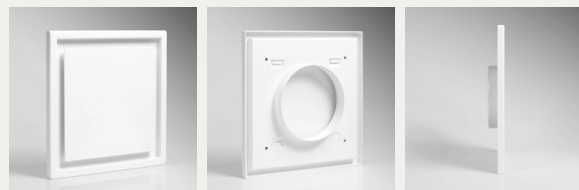
TECHNICAL DATA

Manufacturer	Tecanno
Type	Vent ONE 100
Dimensions L x W x H (mm)	180 x 180 x 10
Connecting Piece ø (mm)	99
Weight (g)	490
Standard RAL colour	9016-20
Item No.	0001100-9016-20

ACCESSORIES	VOLUME FLOW REGULATOR	FILTER INSERT	REPLACEMENT FILTER (5 x)
Item No.	10100	20100	30100

Accessories, if required, must be ordered separately.

MATERIAL

Made of sheet steel with electrostatic powder coating (RAL colour 9016-20, layer thickness approx. 60 µm).

Front view

Back view

Side view

FILTER INSERT 100

VOLUME FLOW REGULATOR 100

TENDER SPECIFICATION

Tecanno air vent ONE 100 for supply and exhaust air in design-type construction. For installation on ceilings and walls via 100 mm connecting pieces. 100 percent freely usable cross section. Can be combined with VOLUME FLOW REGULATOR or FILTER INSERT from Tecanno. The flush cover ensures a consistently slim design with a symmetrical, flow-optimized air throughput. Vent made of sheet steel with electrostatic powder coating (RAL 9016-20). Hand crafted in Germany. Registered design patent.
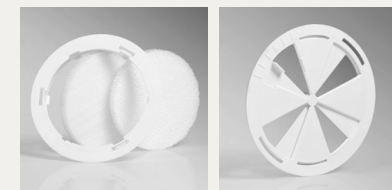Manufacturer: Tecanno
Type: Vent ONE 100
Dimensions L x W x H (mm): 180 x 180 x 10
Item No.: 0001100-9016-20

CONFIGURATION

The air vent has a 100 percent freely usable cross-section that accepts a VOLUME FLOW REGULATOR or FILTER INSERT. The VOLUME FLOW REGULATOR can be combined with a filter. Adding a VOLUME FLOW REGULATOR to the air vent allows the air flow rate to be regulated. This facilitates a variety of acoustic data and pressure reductions. For exhaust air filtration, the FILTER INSERT with 3M High Air Flow (HAF) filter material is ideal. The two inserts can be inserted into the vent connecting piece separately and can also be ordered separately. The flush cover hides the hybrid system and ensures a consistently slim design.

ACCESSORIES

To supplement the air vents, we provide inserts for air regulation or air filtration.

- VOLUME FLOW REGULATOR: For supply or exhaust air. The VOLUME FLOW REGULATOR for air regulation can be combined with a filter (Item: REPLACEMENT FILTER) to allow exhaust air regulation.
- FILTER INSERT: For exhaust air. The FILTER INSERT must be combined with a filter. It provides a free filtration surface (exhaust air cannot be regulated).
- REPLACEMENT FILTER: 5 filters for use in the VOLUME FLOW REGULATOR or FILTER INSERT.

You will find more information under Configuration (to the left) and on the relevant accessories' data sheets.

ORDERING INFORMATION

Air vent: Vent ONE 100
Accessories: VOLUME FLOW REGULATOR 100 or FILTER INSERT 100 (comes with 2 filters)
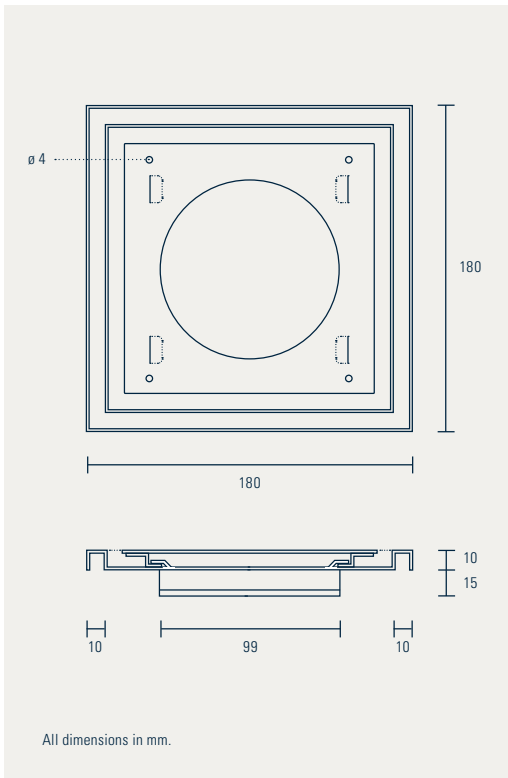
Example order
Position 1: Vent ONE 100
Position 2: VOLUME FLOW REGULATOR 100*

* The VOLUME FLOW REGULATOR for air regulation is not integrated into the vent and must be ordered separately, as required. If neither the FILTER INSERT nor the VOLUME FLOW REGULATOR is indicated on the order, the order will be shipped without accessories.
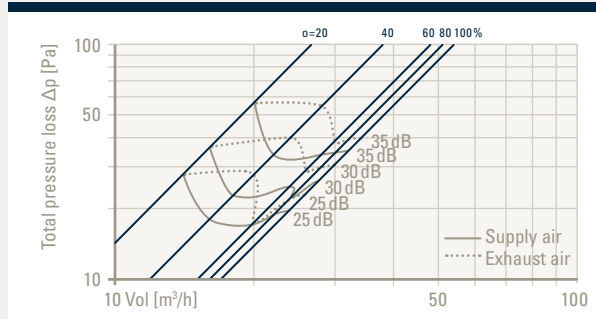
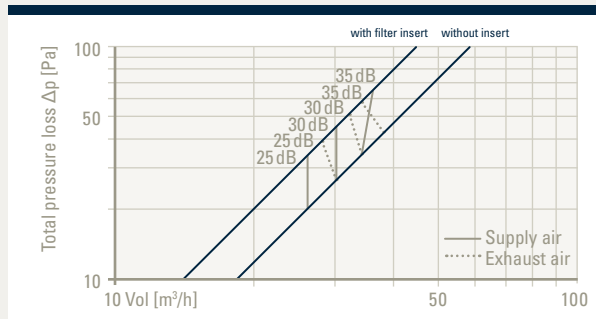➡ ACOUSTIC DATA AND PRESSURE REDUCTIONS

VENT ONE 100

SOUND POWER LEVEL / PRESSURE REDUCTION

The flow rate is set by turning the volume flow regulator (o = degree of opening), which can be inserted into the vent connecting piece as required. Alternatively, the filter insert serves as a dust filter. Without any insert, the valve has a freely usable cross section. The volume flow regulator can be combined with a filter.
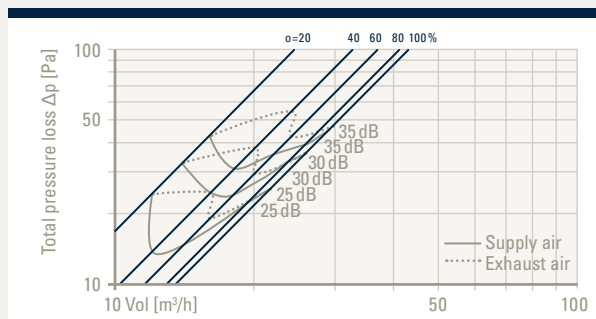
With volume flow regulator

With filter insert / without insert
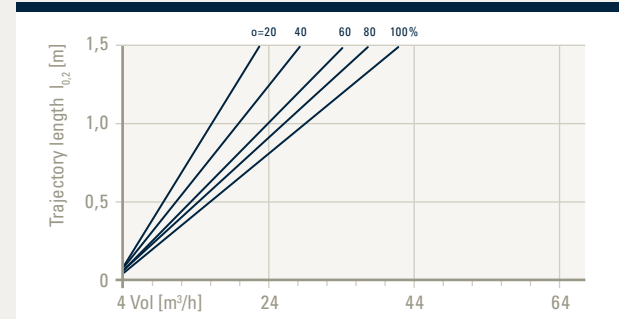

With volume flow regulator and filter
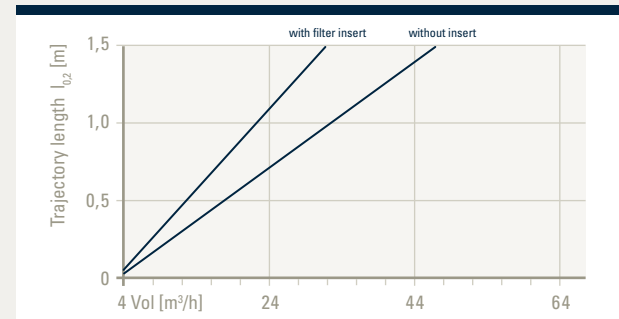

TRAJECTORY LENGTH

The trajectory length $I_{0,2}$ displayed in the diagram indicates the distance between outlet and the point in the air current (Isotherm) at which the speed drops to 0.2 m/s.

Recommended installation for supply air: Ceiling installation: 1 m distance from both sides of corner to vent edges. Wall installation: 0.3 m distance from both sides of corner to vent edges. For exhaust air, no minimum distances.
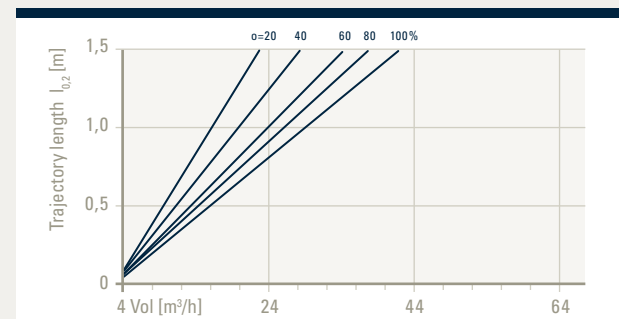
With volume flow regulator

With filter insert / without insert

With volume flow regulator and filter

ø 4

180

180

10
15

10   99   10

All dimensions in mm.

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SURFACE-MOUNTED AIR VENT FOR SUPPLY AND EXHAUST AIR

DESCRIPTION

- Surface-mounted air vent for supply and exhaust air, for flexible use in all interior spaces
- Installation on ceilings and walls
- 100 percent free cross section for DN 125 air ducts
- Combination option with tecanno inserts for air regulation and filtration
- Flush cover guarantees unchanging design
- Symmetrical, flow-optimised passage of air
- Protected design patent, hand crafted in Germany
- Made of sheet steel with electrostatic powder coating (RAL colour 9016-20, layer thickness approx. 60 μm)
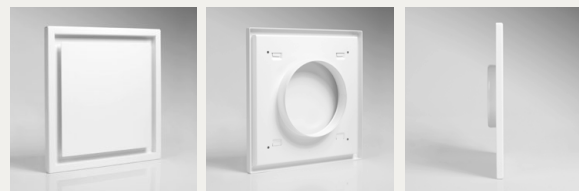
TECHNICAL DATA

Manufacturer	Tecanno
Type	Vent ONE 125
Dimensions L x W x H (mm)	224 x 224 x 12
Connecting Piece ø (mm)	124
Weight (g)	750
Standard RAL colour	9016-20
Item No.	0001125-9016-20

ACCESSORIES	VOLUME FLOW REGULATOR	FILTER INSERT	REPLACEMENT FILTER (5 x)
Item No.	10125	20125	30125

Accessories, if required, must be ordered separately.

MATERIAL

Made of sheet steel with electrostatic powder coating (RAL colour 9016-20, layer thickness approx. 60 μm).

Front view

Back view

Side view

TENDER SPECIFICATION

Tecanno air vent ONE 125 for supply and exhaust air in design-type construction. For installation on ceilings and walls via 125 mm connecting pieces. 100 percent freely usable cross section. Can be combined with VOLUME FLOW REGULATOR or FILTER INSERT from Tecanno. The flush cover ensures a consistently slim design with a symmetrical, flow-optimized air throughput. Vent made of sheet steel with electrostatic powder coating (RAL 9016-20). Hand crafted in Germany. Registered design patent.
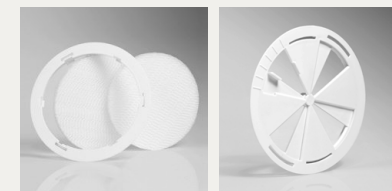Manufacturer: Tecanno
Type: Vent ONE 125
Dimensions L x W x H (mm): 224 x 224 x 12
Item No.: 0001125-9016-20

CONFIGURATION

The air vent has a 100 percent freely usable cross-section that accepts a VOLUME FLOW REGULATOR or FILTER INSERT. The VOLUME FLOW REGULATOR can be combined with a filter. Adding a VOLUME FLOW REGULATOR to the air vent allows the air flow rate to be regulated. This facilitates a variety of acoustic data and pressure reductions. For exhaust air filtration, the FILTER INSERT with 3M High Air Flow (HAF) filter material is ideal. The two inserts can be inserted into the vent connecting piece separately and can also be ordered separately. The flush cover hides the hybrid system and ensures a consistently slim design.

FILTER INSERT 125

VOLUME FLOW REGULATOR 125

ACCESSORIES

To supplement the air vents, we provide inserts for air regulation or air filtration.

- VOLUME FLOW REGULATOR: For supply or exhaust air. The VOLUME FLOW REGULATOR for air regulation can be combined with a filter (Item: REPLACEMENT FILTER) to allow exhaust air regulation.
- FILTER INSERT: For exhaust air. The FILTER INSERT must be combined with a filter. It provides a free filtration surface (exhaust air cannot be regulated).
- REPLACEMENT FILTER: 5 filters for use in the VOLUME FLOW REGULATOR or FILTER INSERT.

You will find more information under Configuration (to the left) and on the relevant accessories' data sheets.

ORDERING INFORMATION

Air vent:	Vent ONE 125
Accessories:	VOLUME FLOW REGULATOR 125 or FILTER INSERT 125 (comes with 2 filters)

Example order
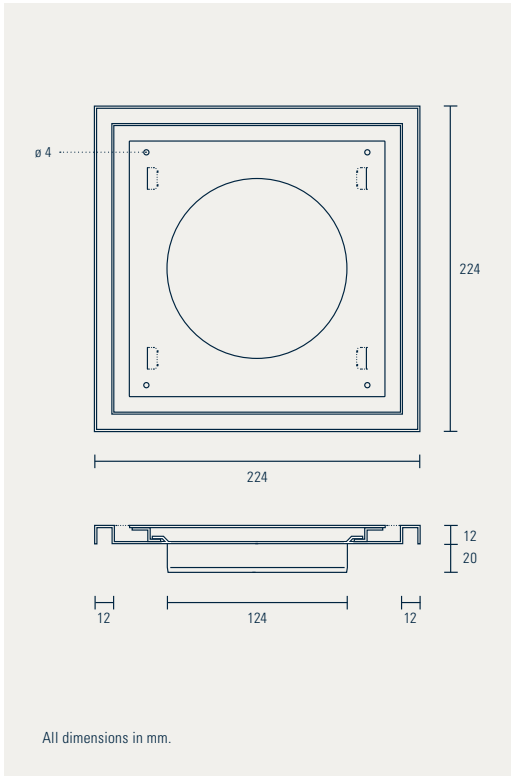
Position 1:	Vent ONE 125
Position 2:	VOLUME FLOW REGULATOR 125*

* The VOLUME FLOW REGULATOR for air regulation is not integrated into the vent and must be ordered separately, as required. If neither the FILTER INSERT nor the VOLUME FLOW REGULATOR is indicated on the order, the order will be shipped without accessories.
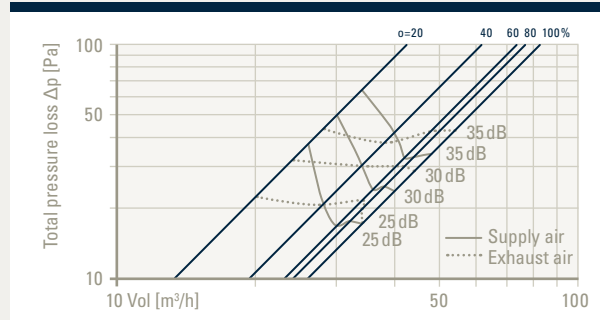
tecanno
TECHNOLOGY MEETS DESIGN

VENT ONE 125

DEFINITIONS
Vol in m³/h: Volume flow rate per air vent
o: Volume flow regulator opening degree in %
Δp in Pa: Total pressure loss
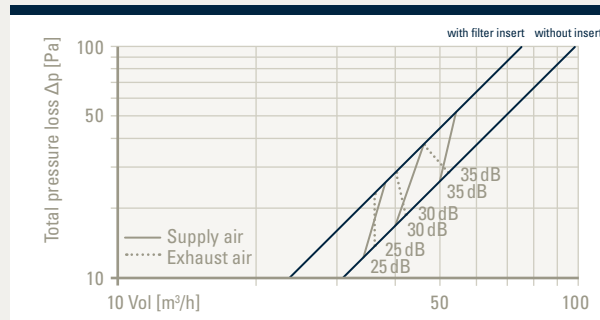L_{WA} in dB(A): A-weighted sound power level

SOUND POWER LEVEL / PRESSURE REDUCTION

The flow rate is set by turning the volume flow regulator (o = degree of opening), which can be inserted into the vent connecting piece as required. Alternatively, the filter insert serves as a dust filter. Without any insert, the valve has a freely usable cross section. The volume flow regulator can be combined with a filter.
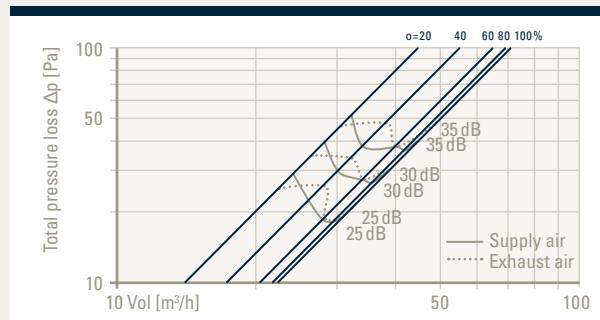
With volume flow regulator

With filter insert / without insert
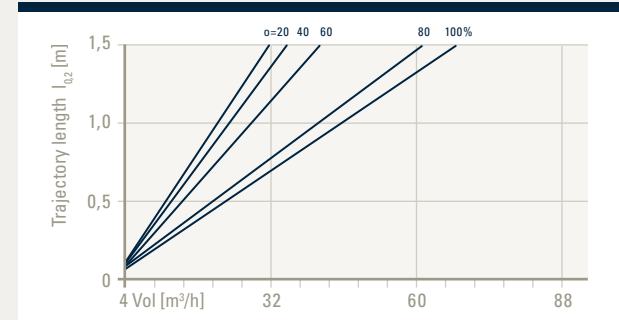

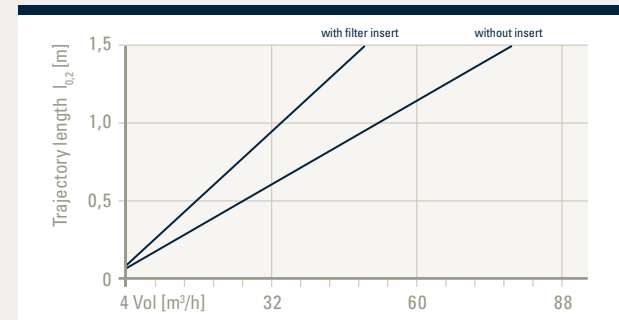### With volume flow regulator and filter

TRAJECTORY LENGTH

The trajectory length $I_{0,2}$ displayed in the diagram indicates the distance between outlet and the point in the air current (Isotherm) at which the speed drops to 0.2 m/s.

Recommended installation for supply air: Ceiling installation: 1 m distance from both sides of corner to vent edges. Wall installation: 0.3 m distance from both sides of corner to vent edges. For exhaust air, no minimum distances.

With volume flow regulator

With filter insert / without insert

With volume flow regulator and filter

All dimensions in mm.

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