

VQA

Innovative low velocity system



Description:

The VQA low velocity terminal unit is designed for individual flow adjustment and is suitable for applications with highest aesthetic requirements. VQA is available to suit many different installations including, but not exclusively flat, round, half-round, quarter-round, hexagonal, etc. and additionally, special shapes are possible on request.

The perforated front panel with slot holes is invisibly welded to the plenum chamber with round equalizing nozzles inside (spigot connections either rectangular or round). Quick removal for flow adjustment or cleaning purposes is possible, with all screws and fastenings hidden.

Function:

The newly developed adjustable round housings with integrated nozzles behind the front plate ensure ideal flow characteristics. The adjustable housing can be used to influence the direction of flow over a range of 360 degrees, with the nozzles for further fine-tuning of the flow direction, ensuring uniform multidirectional distribution across the active area.

The low average exit velocities in conjunction with lower temperatures make the air less buoyant due to density differences and evenly spread in all directions, forming a displacement flow. At heat sources the air rises due to convection, up into the ceiling space. For difficult and tight installations the air stream can be widened.

Material:

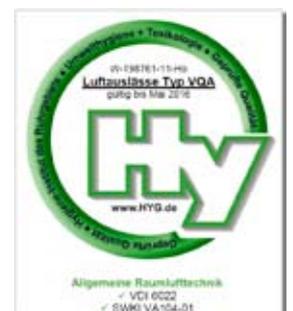
Steel, galvanized, powder-coated in white (RAL 9010)

Accessories/options:

- powder coating in other RAL colours to choice
- floor socket - **FS**
- wall mounting frame - **BR**
- channel lining - **KV**
- wall fixing - **WH**

Certifications:

- VDI 6022
- SWKI VA104-01



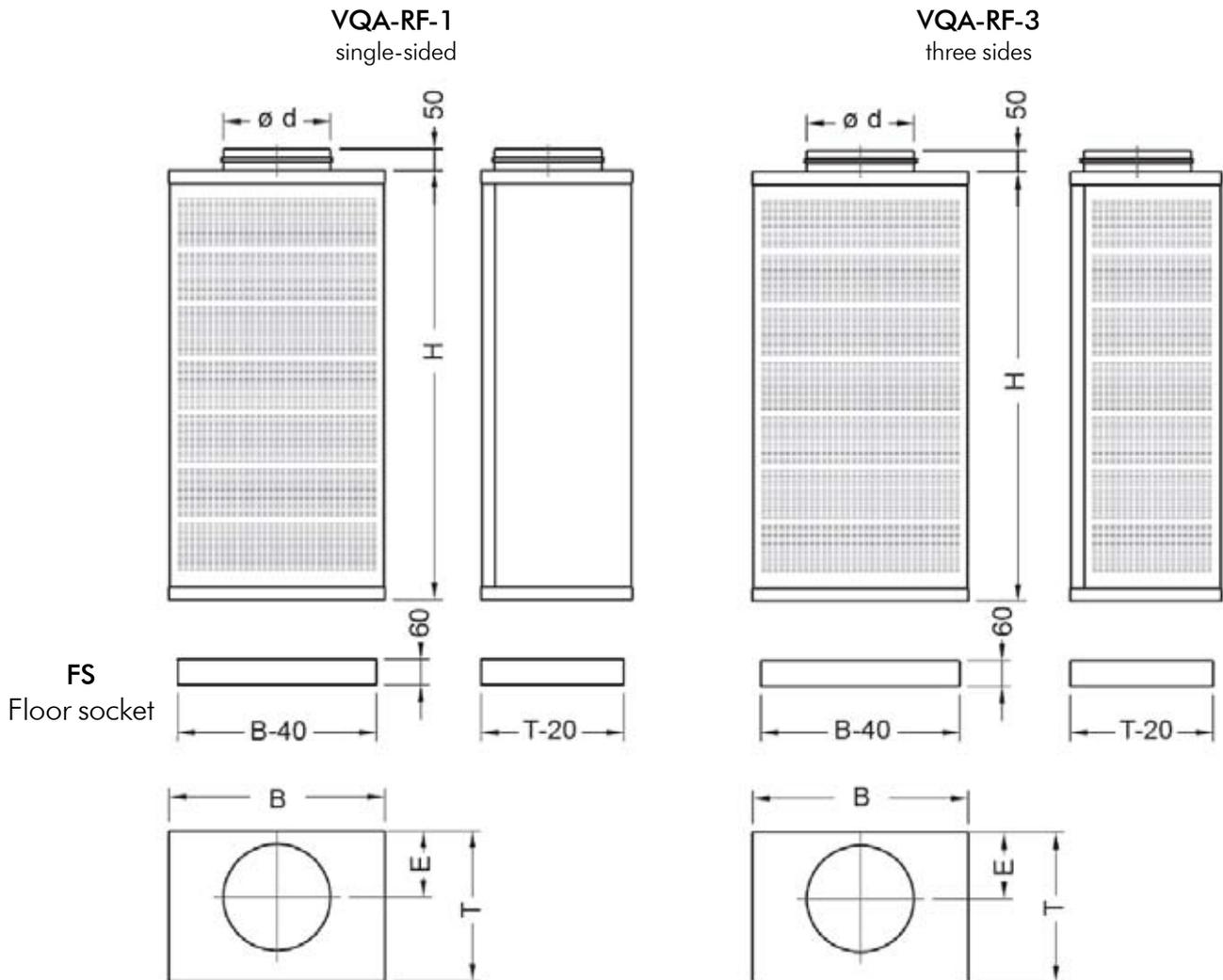


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VQA-RF: Rectangular low velocity terminal for free-standing position in front of the wall, choice between 1 side (VQA-RF-1) or 3 sides (VQA-RF-3) discharge.



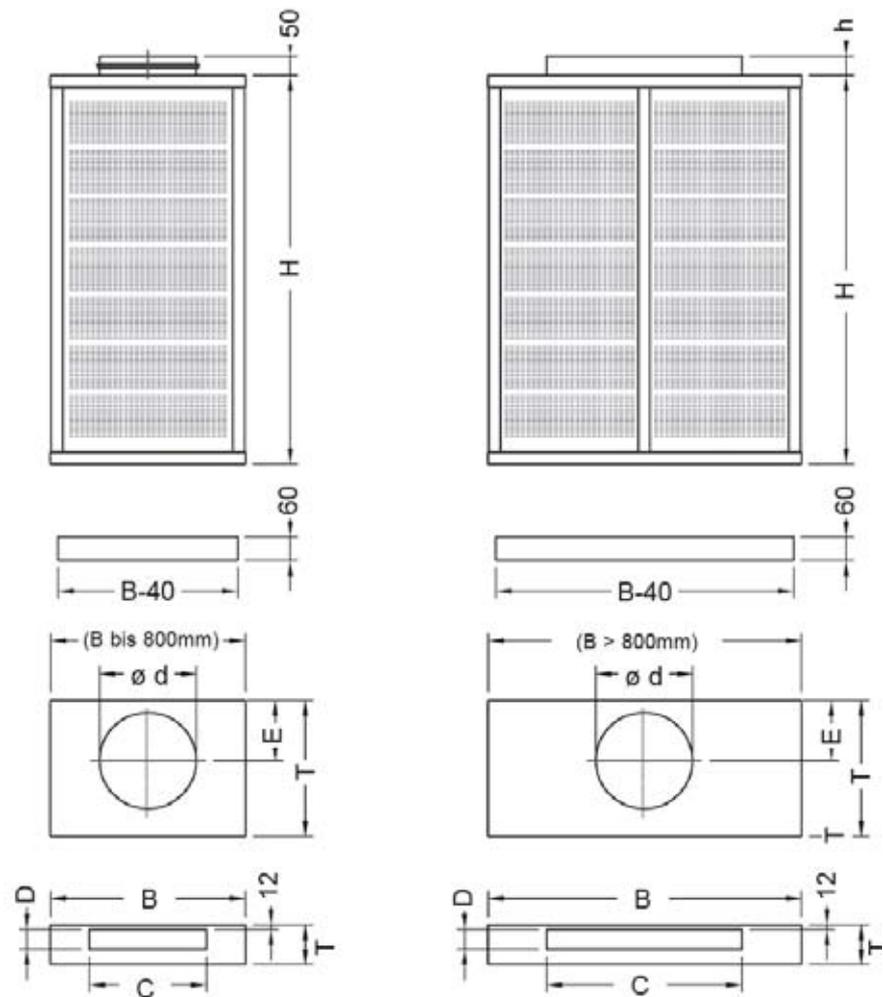
| Size: | B [mm] | H [mm] | T [mm] | ϕd [mm] | E [mm] |
|------------|-----------|-----------|-----------|------------------|-----------|
| 125 | 350 | 600 | 200 | 123 | 93 |
| 160 | 350 | 600 | 250 | 158 | 110 |
| 200 | 400 | 800 | 300 | 198 | 130 |
| 250 | 500 | 1000 | 350 | 248 | 155 |
| 315 | 600 | 1250 | 400 | 313 | 188 |
| 400 | 750 | 1500 | 500 | 398 | 230 |
| 500 | 1000 | 1750 | 600 | 498 | 280 |
| 630 | 1250 | 2000 | 750 | 628 | 345 |



VQA-RE: Rectangular low velocity terminal for arrangement on the floor, in the wall and in the ceiling.

VQA-RE

FS
Floor socket



| Size: | B [mm] | H [mm] | T [mm] | Ø d [mm] | E [mm] | CxD [mm] | h [mm] |
|-------------|-----------|-----------|-----------|-------------|-----------|-------------|-----------|
| 125 | 350 | 600 | 200 | 123 | 93 | / | / |
| 160 | 350 | 600 | 250 | 158 | 110 | / | / |
| 200 | 400 | 800 | 300 | 198 | 130 | / | / |
| 250 | 500 | 1000 | 350 | 248 | 155 | / | / |
| 315 | 600 | 1250 | 400 | 313 | 188 | / | / |
| 5010 | 900 | 900 | 150 | / | / | 500x100 | 50 |
| 6020 | 1200 | 1500 | 250 | / | / | 600x200 | 50 |
| 8025 | 1500 | 2000 | 300 | / | / | 800x250 | 50 |



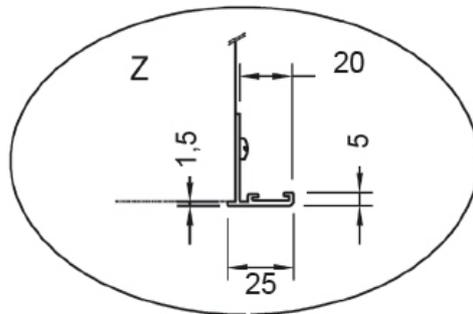
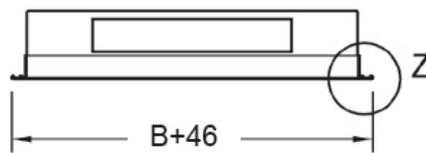
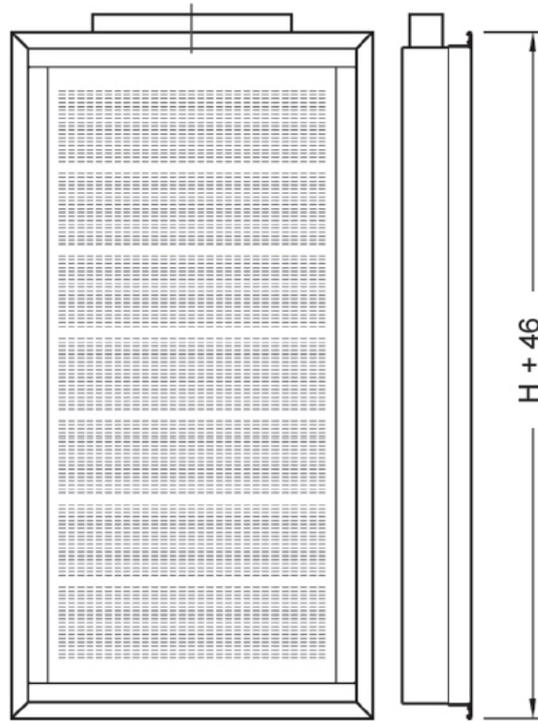
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Innovative low velocity system



VQA-RE: Accessories - wall mounting frame (BR)

VQA-RE-BR
surrounding frame
-optional-

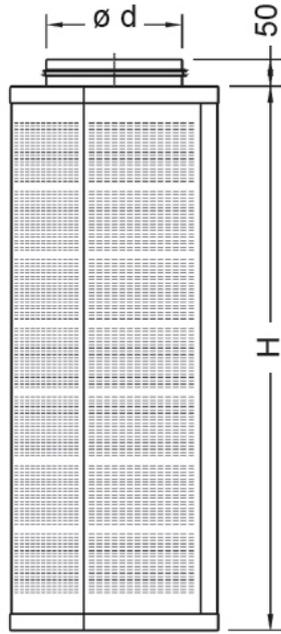


VQA

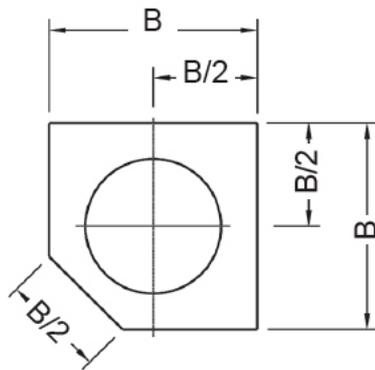
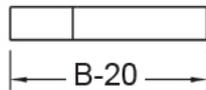
Innovative low velocity system



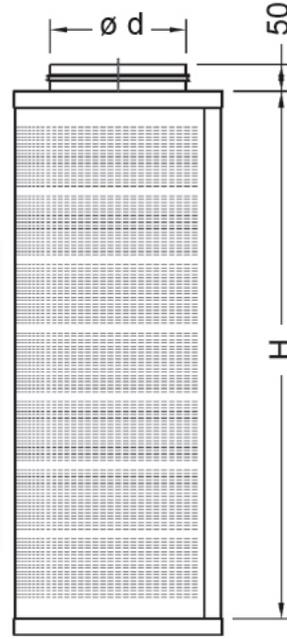
VQA-VH
quarter hexagonal



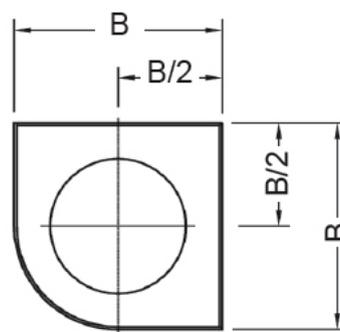
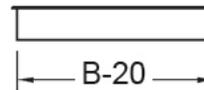
FS
Floor socket



VQA-VR
quarter round



FS
Floor socket



Size:

B
[mm]

H
[mm]

$\varnothing d$
[mm]

| | | | |
|------------|-----|------|-----|
| 125 | 255 | 600 | 123 |
| 160 | 290 | 600 | 158 |
| 200 | 330 | 800 | 198 |
| 250 | 380 | 1000 | 248 |
| 315 | 445 | 1250 | 313 |
| 400 | 530 | 1500 | 398 |
| 500 | 630 | 1750 | 498 |
| 630 | 760 | 2000 | 628 |

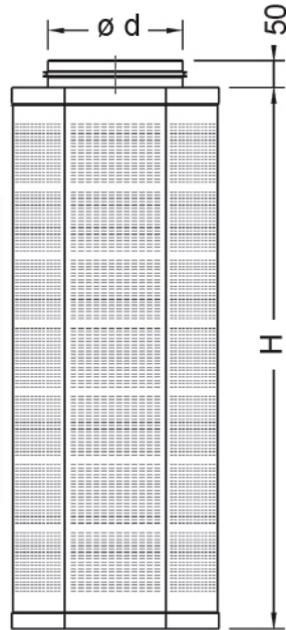


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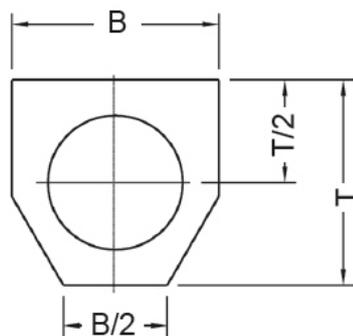
Innovative low velocity system



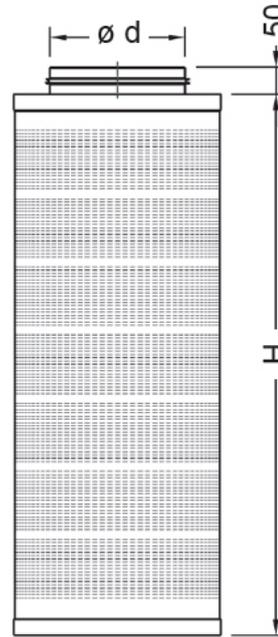
VQA-HH
semi-hexagonal



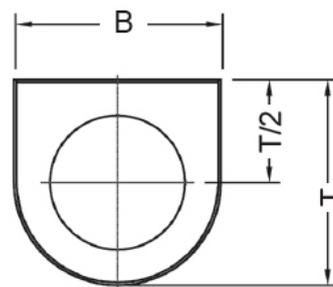
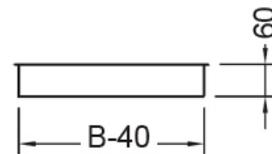
FS
Floor socket



VQA-HR
semicircular



FS
Floor socket



| Size: | B [mm] | T [mm] | H [mm] | $\varnothing d$ [mm] |
|------------|-----------|-----------|-----------|-------------------------|
| 125 | 255 | 255 | 600 | 123 |
| 160 | 290 | 290 | 600 | 158 |
| 200 | 330 | 330 | 800 | 198 |
| 250 | 380 | 380 | 1000 | 248 |
| 315 | 445 | 445 | 1250 | 313 |
| 400 | 530 | 530 | 1500 | 398 |
| 500 | 630 | 630 | 1750 | 498 |
| 630 | 760 | 760 | 2000 | 628 |

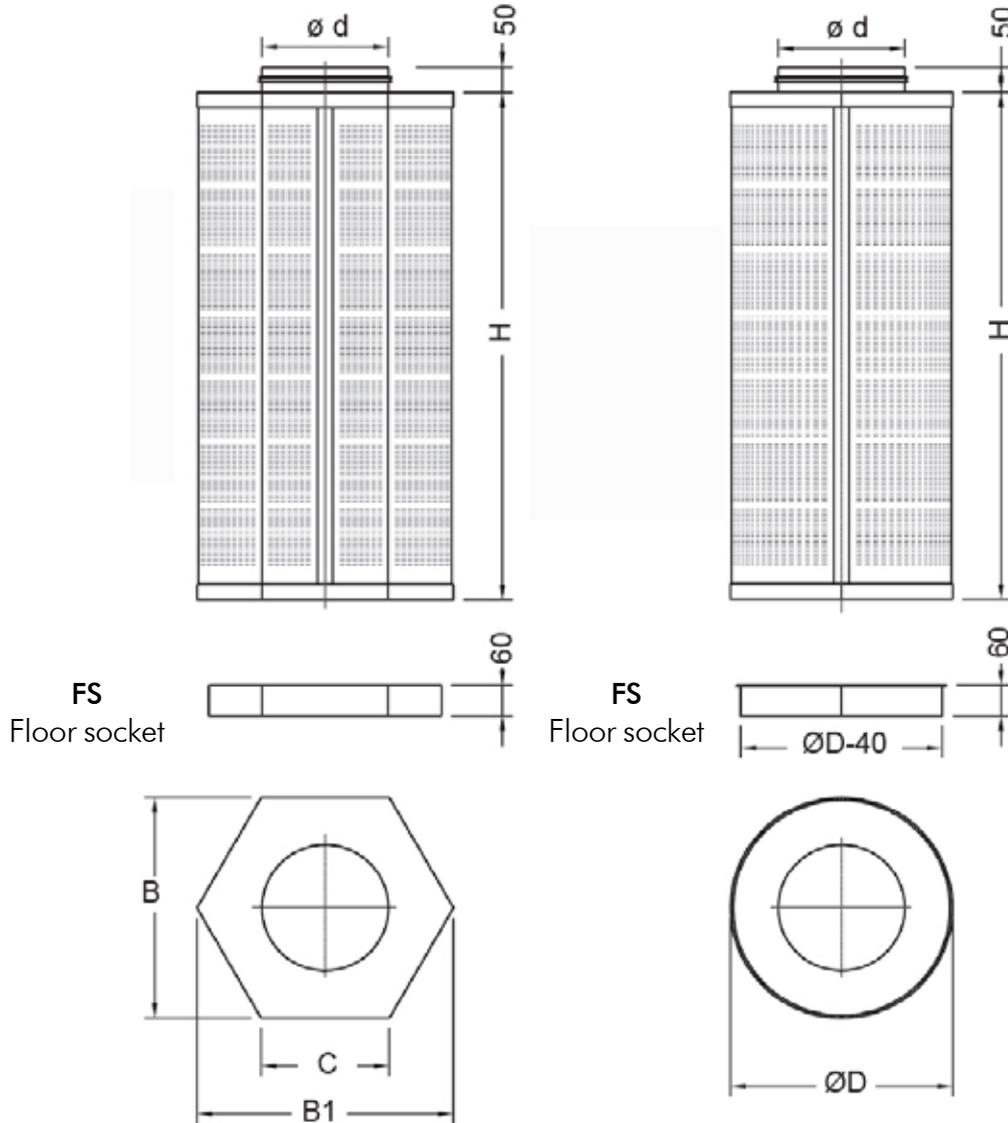
VQA

Innovative low velocity system



VQA-RH
hexagonal

VQA-RU
round



| Size: | ø D [mm] | B [mm] | B1 [mm] | C [mm] | H [mm] | ø d [mm] |
|------------|-------------|-----------|------------|-----------|-----------|-------------|
| 160 | 345 | 345 | 399 | 164 | 600 | 158 |
| 200 | 385 | 385 | 445 | 222 | 800 | 198 |
| 250 | 435 | 435 | 502 | 251 | 1000 | 248 |
| 315 | 500 | 500 | 577 | 289 | 1250 | 313 |
| 400 | 585 | 585 | 676 | 338 | 1500 | 398 |
| 500 | 685 | 685 | 791 | 395 | 1750 | 498 |
| 600 | 815 | 815 | 941 | 471 | 2000 | 628 |

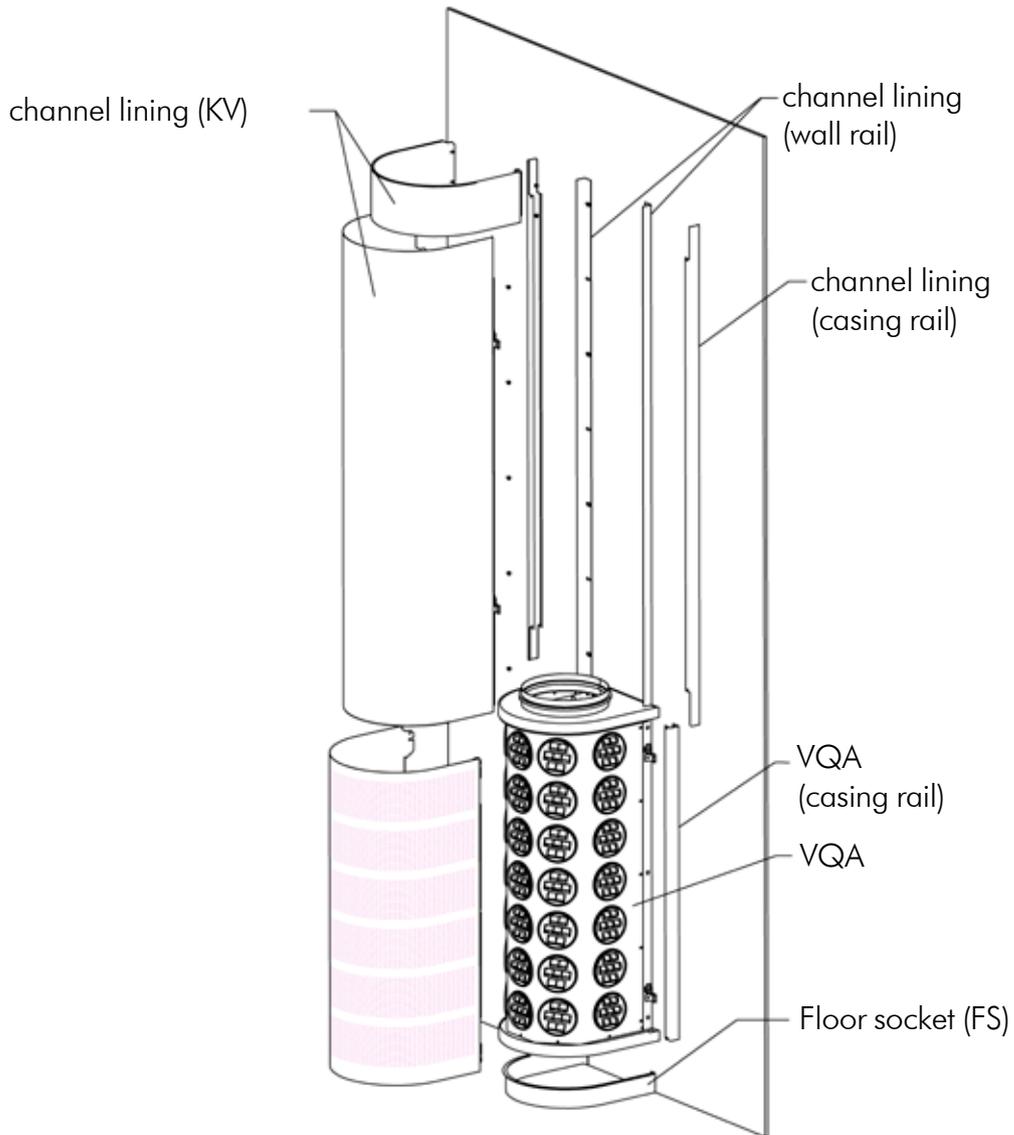


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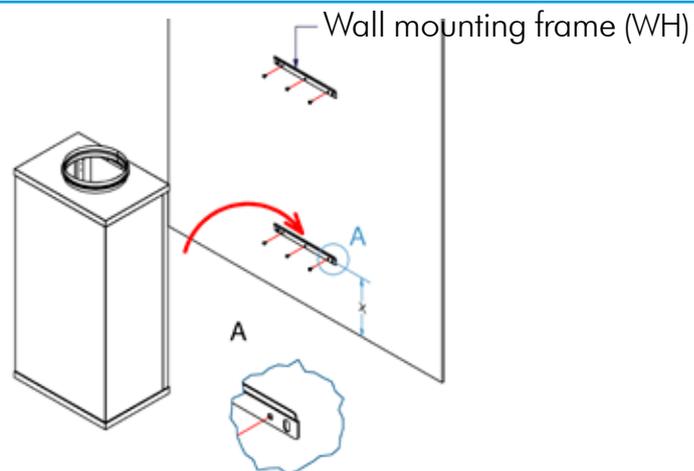
Innovative low velocity system



VQA-RE: Accessories - channel lining (KV)



VQA-RE: Accessories - wall mounting frame





Tender text:

VQA-RU

low velocity terminal in round shape comprising of two perforated half-roundfronts with horizontal slots, a plenum chamber unit with round housings with integrated nozzles for uniform multidirectional distribution, front panels removable, all screws and fastenings hidden.

Terminal made from galvanized sheet steel, powder coated in white (RAL 9010), other RAL-colours to choices on request.

Certified according to the VDI 6022 and the SWKI VA104-01 guidelines.

VQA-HR

low velocity terminal in half-round shape comprising of a perforated half-round front with horizontal slots, a plenum chamber unit with round housings with integrated nozzles for uniform multidirectional distribution, front panels removable, all screws and fastenings hidden.

Terminal made from galvanized sheet steel, powder coated in white (RAL 9010), other RAL-colours to choices on request.

Certified according to the VDI 6022 and the SWKI VA104-01 guidelines.

VQA-VR

low velocity terminal in quarter-round shape comprising of a perforated front with horizontal slots, a plenum chamber unit with round housings with integrated nozzles for uniform multidirectional distribution, front panels removable, all screws and fastenings hidden.

Terminal made from galvanized sheet steel, powder coated in white (RAL 9010), other RAL-colours to choices on request.

Certified according to the VDI 6022 and the SWKI VA104-01 guidelines.

VQA-RH

low velocity terminal in hexagonal comprising of a perforated front with horizontal slots, a plenum chamber unit with round housings with integrated nozzles for uniform multidirectional distribution, front panels removable, all screws and fastenings hidden.

Terminal made from galvanized sheet steel, powder coated in white (RAL 9010), other RAL-colours to choices on request.

Certified according to the VDI 6022 and the SWKI VA104-01 guidelines.

VQA-HH

low velocity terminal in half-hexagonal shape comprising of a perforated front with horizontal slots, a plenum chamber unit with round housings with integrated nozzles for uniform multidirectional distribution, front panels removable, all screws and fastenings hidden.

Terminal made from galvanized sheet steel, powder coated in white (RAL 9010), other RAL-colours to choices on request.

Certified according to the VDI 6022 and the SWKI VA104-01 guidelines.



VQA

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VQA-VH

low velocity terminal in quarter-hexagonal shape comprising of a perforated front with horizontal slots, a plenum chamber unit with round housings with integrated nozzles for uniform multidirectional distribution, front panels removable, all screws and fastenings hidden.

Terminal made from galvanized sheet steel, powder coated in white (RAL 9010), other RAL-colours to choices on request.

Certified according to the VDI 6022 and the SWKI VA104-01 guidelines.

VQA-RF

low velocity terminal in rectangular shape comprising of a perforated front with horizontal slots, a plenum chamber unit with round housings with integrated nozzles for uniform multidirectional distribution, front panels removable, all screws and fastenings hidden.

Terminal made from galvanized sheet steel, powder coated in white (RAL 9010), other RAL-colours to choices on request.

Certified according to the VDI 6022 and the SWKI VA104-01 guidelines.

FS

floor socket, H = 60 mm, galv. sheet steel, powder-coated

BR

wall mounting frame made from extruded aluminium, powder-coated

KV

channel lining, galv. sheet steel, powder-coated

WH

wall fixing, galv. steel steel

Manufacture: SLT

Schanze Lufttechnik GmbH
Lenzfeld 8
49811 Lingen (Ems)
Tel.: 0591/9 73 37 - 0
Fax: 0591/9 73 37-50

Type:

VQA -

Quantity:

..... Stück

Code:

VQA - VR - 200 - FS - WH - KV

Quarter round low velocity system in size 200, with floor socket channel lining and wall fixing.

