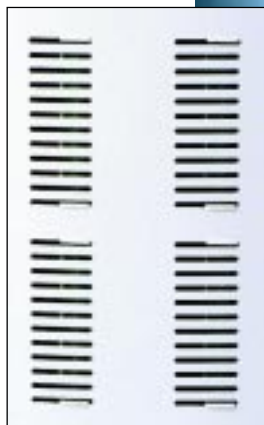


- **Easy adjustable adjacent zone**
- **Environmental friendly**
- **Easy to install and commission**
- **Test nipple for measuring the air flow rate**
- **Maintenance free**



Function

The new X-Series Displacement Terminal provide a completely new method of using Displacement Ventilation.

The patented X-series nozzle has been designed using 20 years experience in the design and use of Displacement Terminals.

They provide the following advantages:

Adjustable adjacent zone

Air direction from panel can be changed without the use of tools or technical expertise.

When the direction is modified the air is still supplied equally over the entire face of the panel and the pressure characteristic remains the same.

Induced air

A main consideration in the use of Displacement Terminals with low supply air temperature is the low floor temperature which can be created in a badly designed system.

Because of the higher level of mixing created by the X-Series nozzle, lower air supply temperatures can be used and consequently the Displacement Ventilation performs with higher load factors.

Construction

The X-series are designed for multiple use. Built around aluminium profiles the unit can be rapidly installed and

easily dismantled should internal duct cleaning be required.

A shaped edge takes away the uneven line normally created between wall and panel.

With its very rigid construction damage is unlikely but should this occur it is a simple matter to change any section of the unit.

Environmentally Friendly

The new X-series units were designed to protect the environment in that all materials can be recycled and the reduction in transport sizes reduces shipping and transport loads on the environment.

Installed Economy

When calculating the cost of a panel it is essential to include the labour cost of installing and commissioning.

As the adjacent zone and panel are smaller they reduce the floor area which need to be allowed.

Maintenance, running costs and pressure losses all reduce the use of energy in the system.

If refurbishment is required of the building where X-series are installed then they can easily be refitted.

Design

Standard panel height is 2 metres with the facility for a duct cover to fit between the top of the panel and ceiling.

Although the length of the aluminium profile can be cut at works the profile can also be cut on site as the front plate overlaps the cover.

It is recommended that the panel is mounted 100 - 150 mm above the floor.

Many types of X-Series are available:

RVX is a shallow bow shaped panel.

RAX is a half round wall model.

VRX is a quarter round corner model.

Alternative design

An aluminium profile can be used to cover the nozzle slits (RVXs). The increased turbulence means that the induction of warm air is improved giving rise to a higher floor temperature.

This patented system provide a very attractive appearance often preferred by architects and designers.

Material

Front and rear: Steel

Corner profiles: Aluminium

X-Nozzles: ABS plastic

Even the powder coat finish uses no solvent for degreasing as our system uses steam for this purpose.

Specials

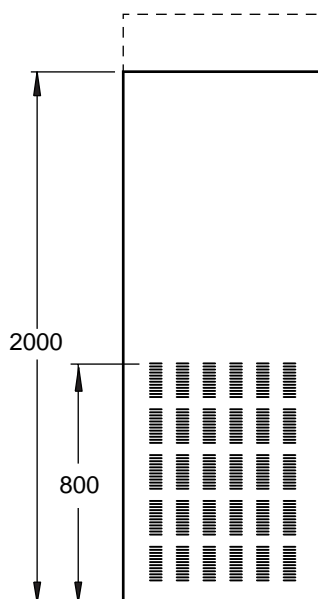
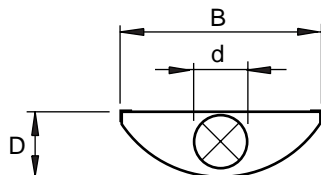
RAX, VRX and RVX can be provided with a standard perforation (ø3 mm, 6 mm pitch) or special perforation together with the REPUS nozzle. See our special leaflet.

Technical data

Pressure drops, sound data and adjacent zone are given in the diagrams. Sound levels are shown at 10 m² Sabine.

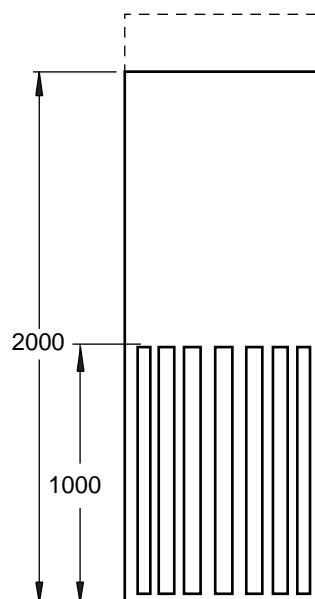
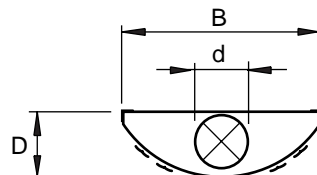
Dimensions and weight.

Size	ø d	B	D	kg
RVX 100	100	400	155	16
RVX 125	125	500	175	18
RVX 160	160	600	215	22
RVX 200	200	750	255	29



RVX 100-200

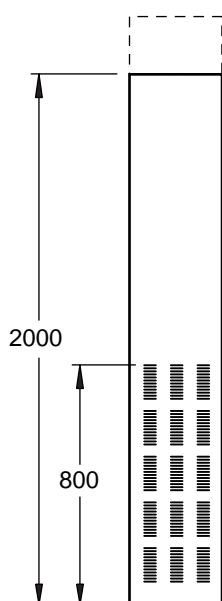
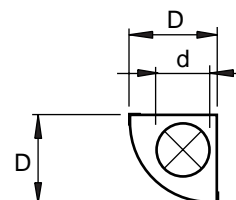
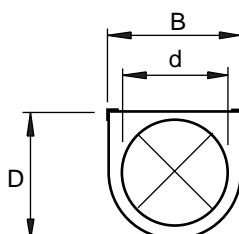
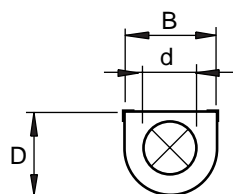
Size	ø d	B	D	kg
RVXS 100	100	400	155	16
RVXS 125	125	500	175	18
RVXS 160	160	600	215	22
RVXS 200	200	750	255	29



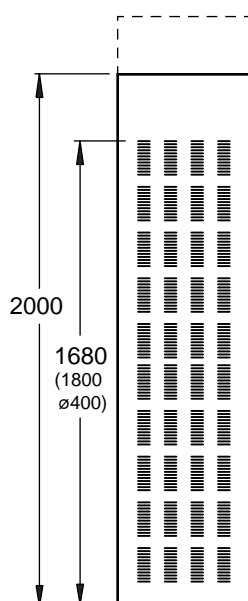
RVXS 100-200

Size	ø d	B	D	kg
RAX 200	200	350	350	21
RAX 250	250	350	350	23
RAX 315	315	400	400	26
RAX 400	400	500	500	29

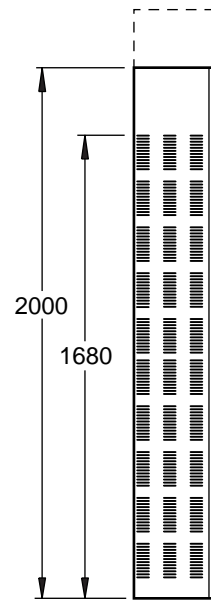
Size	ø d	D	kg
VRX 125	125	200	14
VRX 160	160	250	16
VRX 200	200	300	20
VRX 250	250	400	25
VRX 315	315	450	28



RAX 200

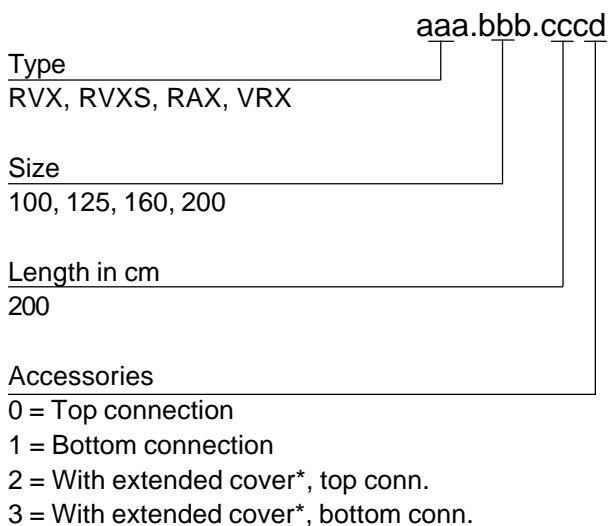


RAX 250-315



VRX 125-315

Product code



*The duct cover can be made to measure.

Descriptive text

REPUS[®] supply air panel type.....The panel must be equipped with REPUS[®] X-nozzles for internal air distribution.

Material: Galvanised sheet steel

Paint: White (RAL 9010)

Accessories:

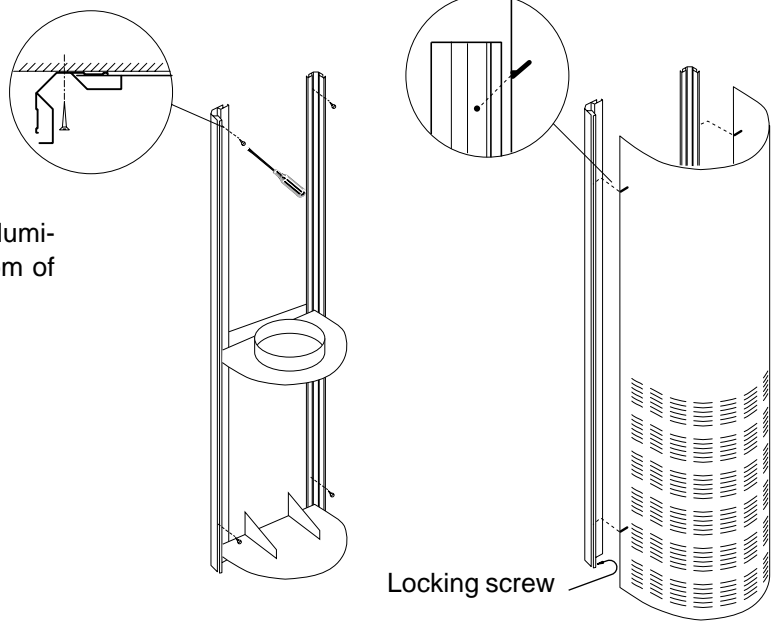
Maintenance

The panel is designed for ease of maintenance. The front is easy to dismantle if cleaning is necessary. To clean the panel use a damp cloth and a mild detergent.

Installing

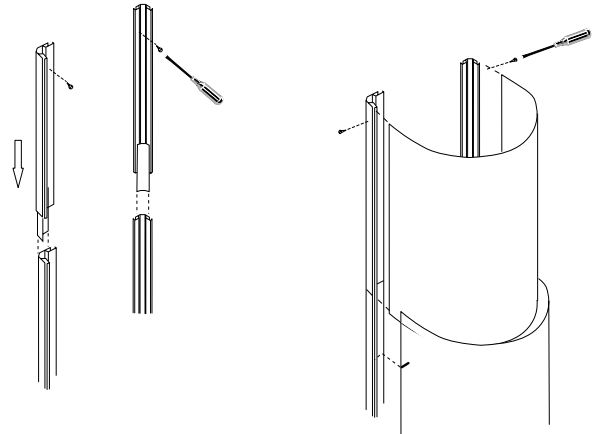
Panel without duct cover plate

1. Loosen the locking screw at the bottom of the panel.
2. Pull out the front (up and out)
3. Screw the back plate to the wall through the aluminium profile. Leave 100 mm between the bottom of the unit and the floor.
4. Replace the front cover and the locking screws.



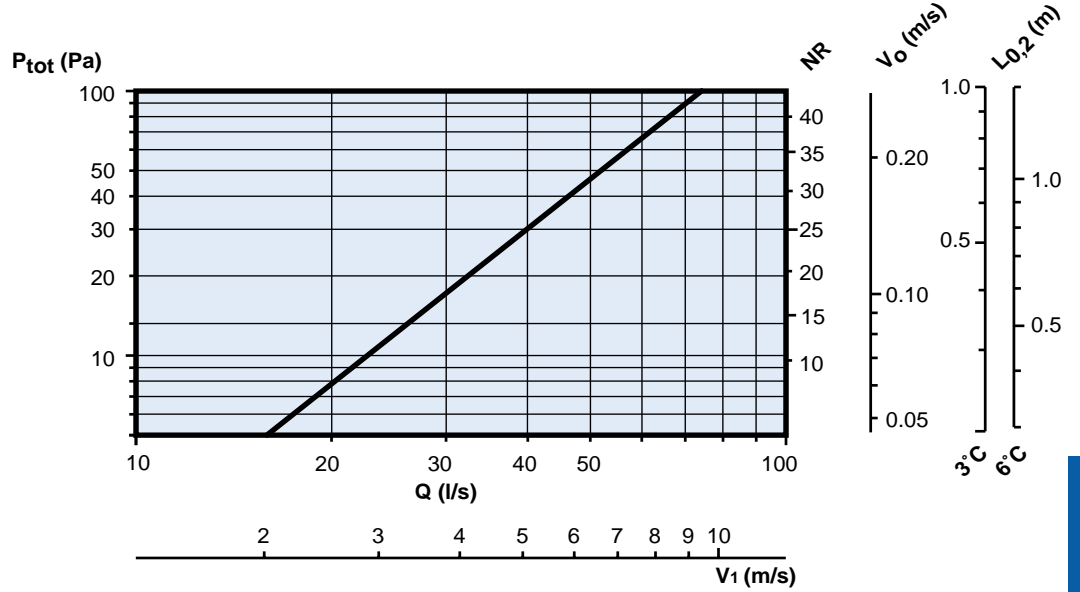
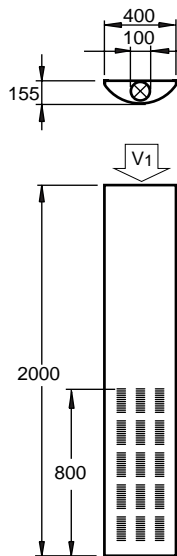
Panels with duct cover plate.

1. Loosen the locking screw at the bottom of the panel.
2. Pull out the front (up and out)
3. The two extension profiles are cut to the right length or ordered to the right dimensions. With the cut end upwards press into the panel profile.
4. Screw the back plate and the extension to the wall through the aluminium profile. Leave 100 mm between the bottom of the unit and the floor.
5. Press the duct cover into the profile and insert screws from each side passing through the profile.
6. The panel front is replaced to overlap the duct cover and held in place using the locking screws.

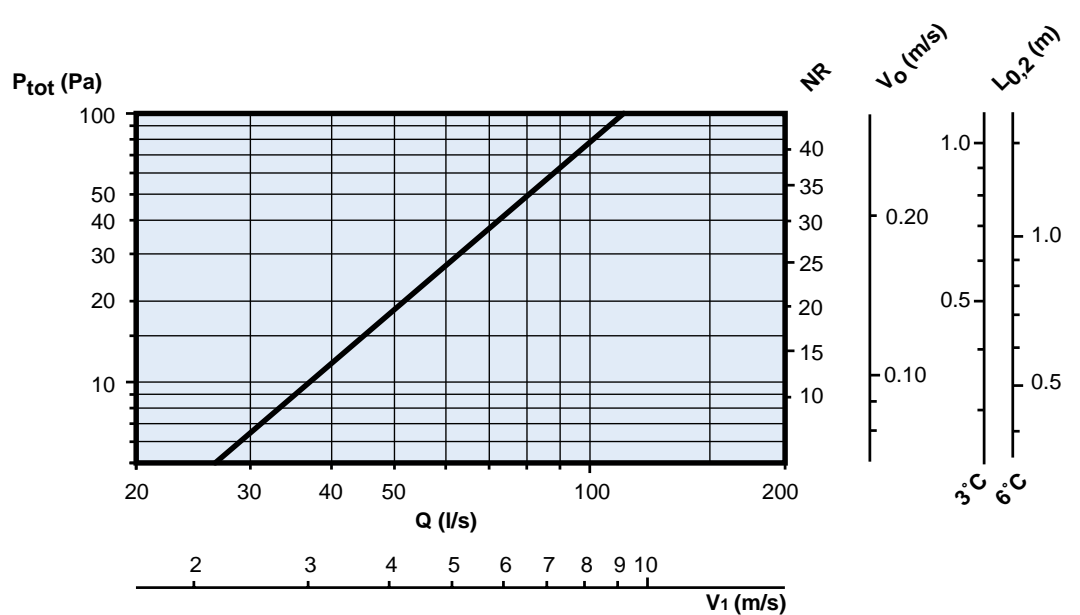
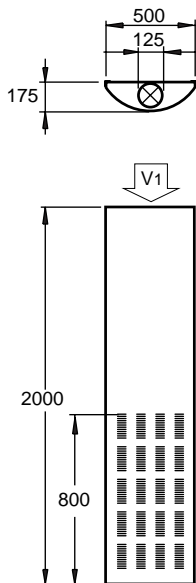


RVX

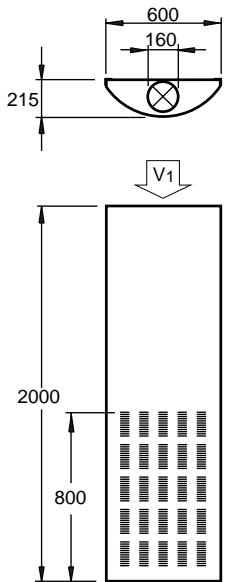
RVX100



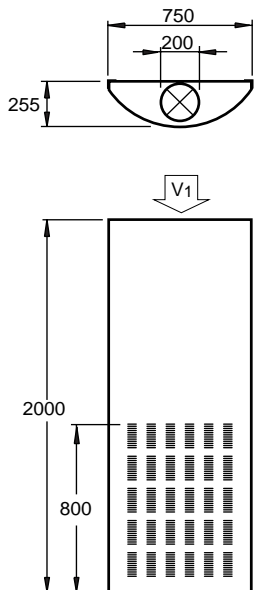
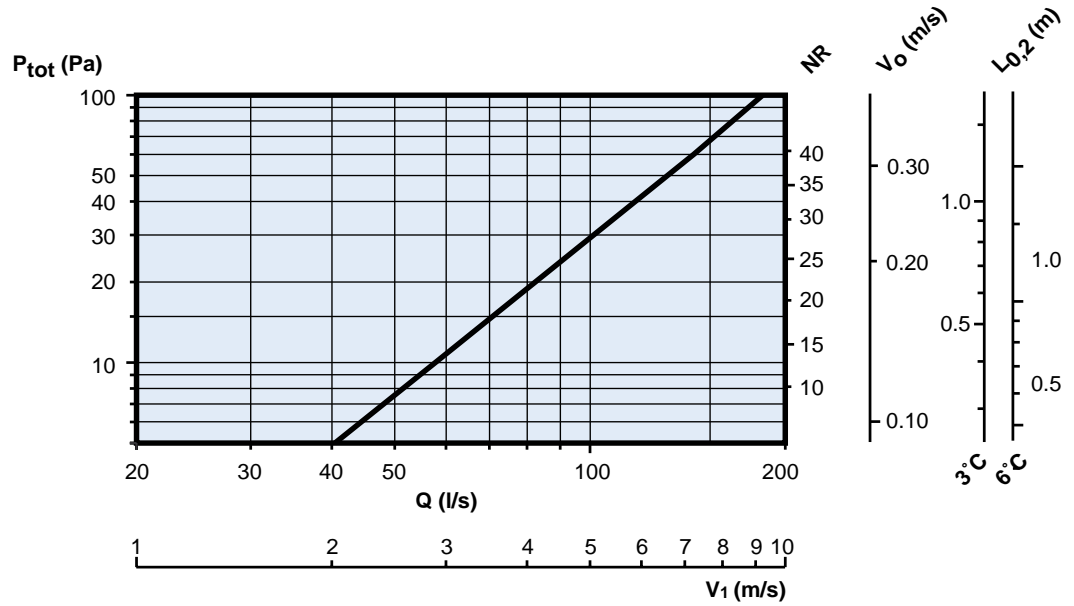
RVX125



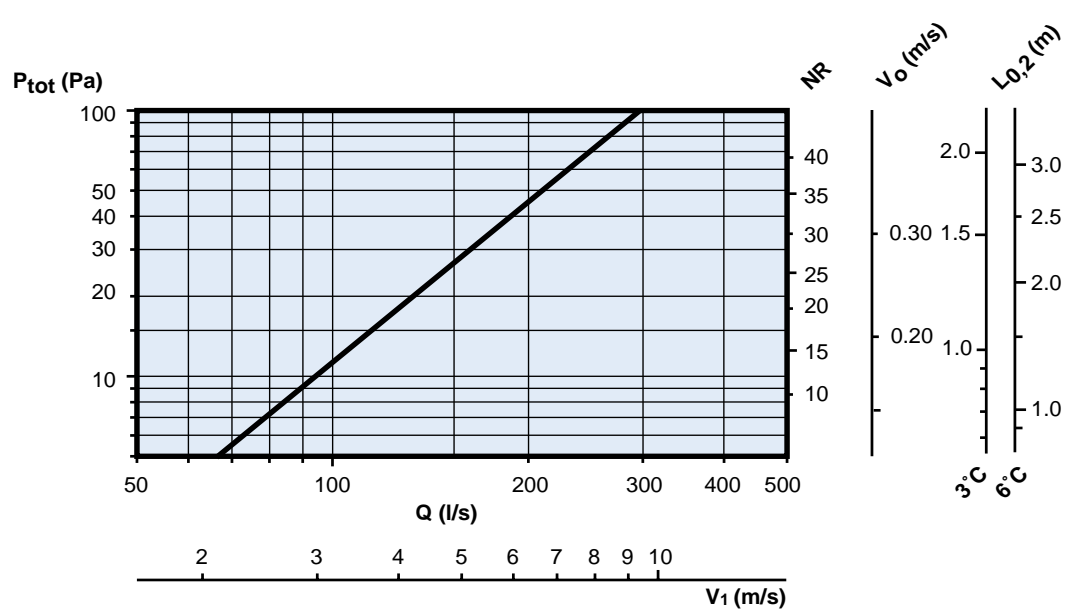
RVX



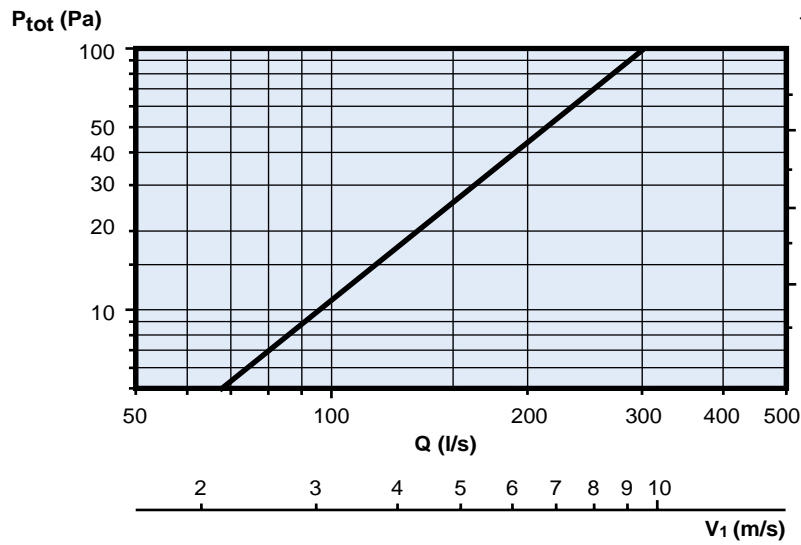
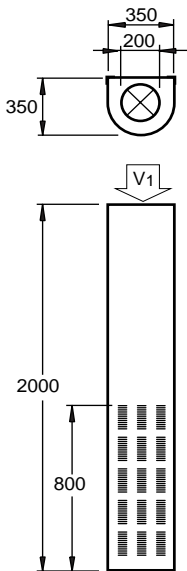
RVX160



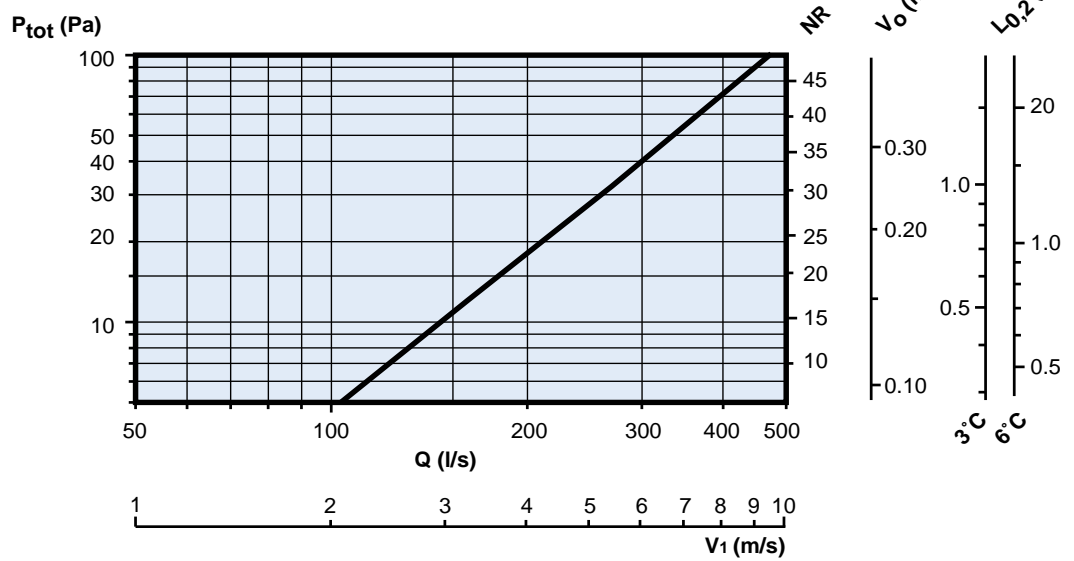
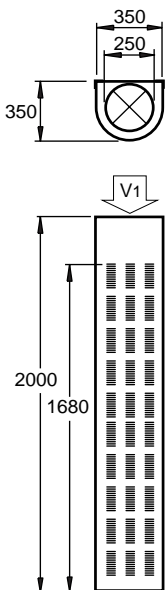
RVX200



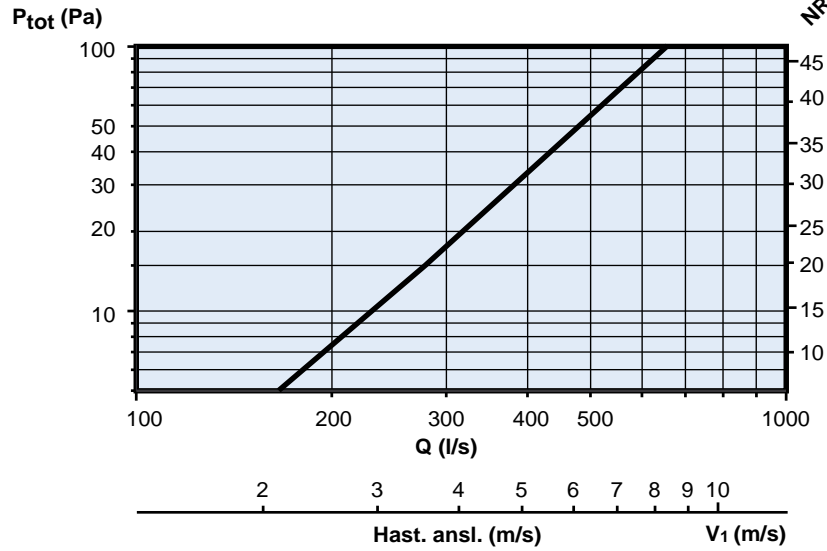
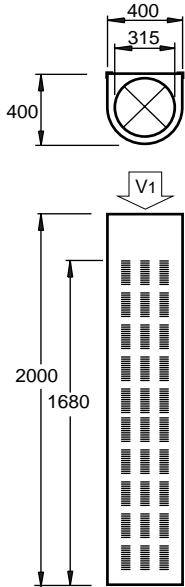
RAX200



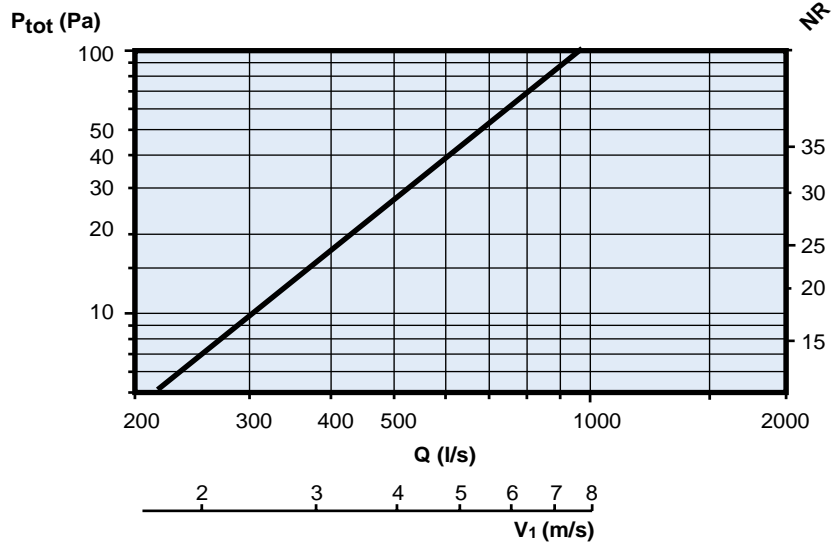
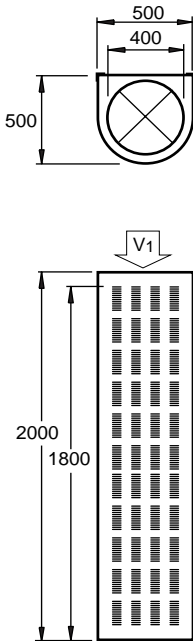
RAX250

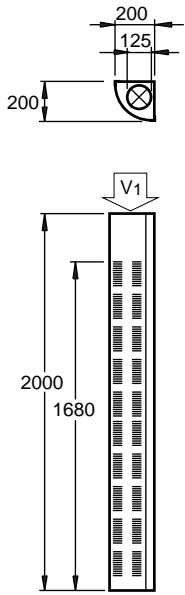


RAX315

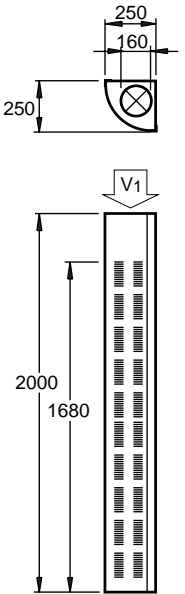
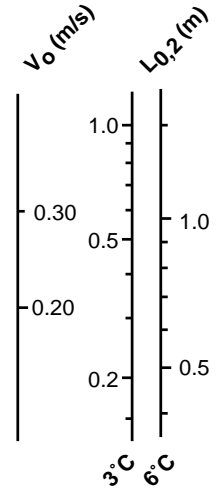
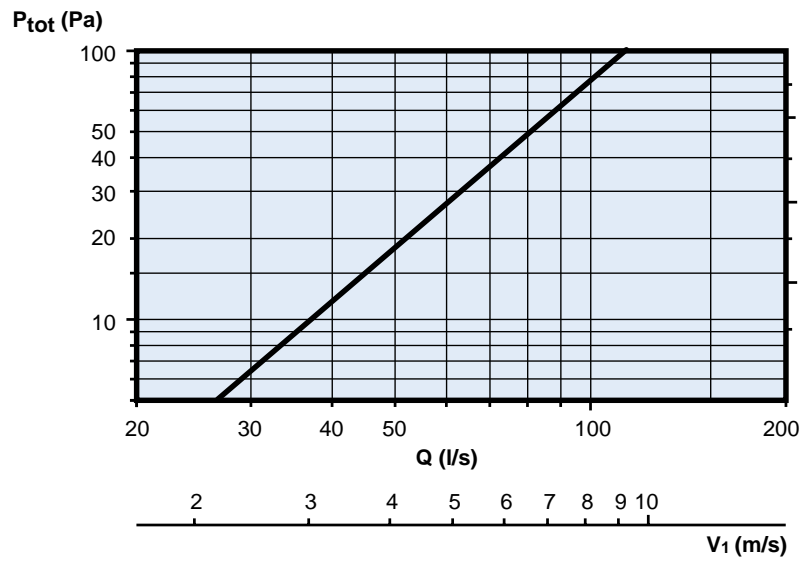


RAX400

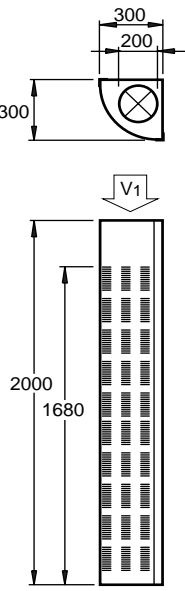
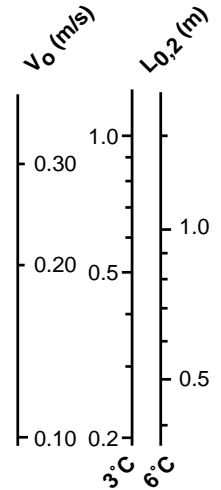
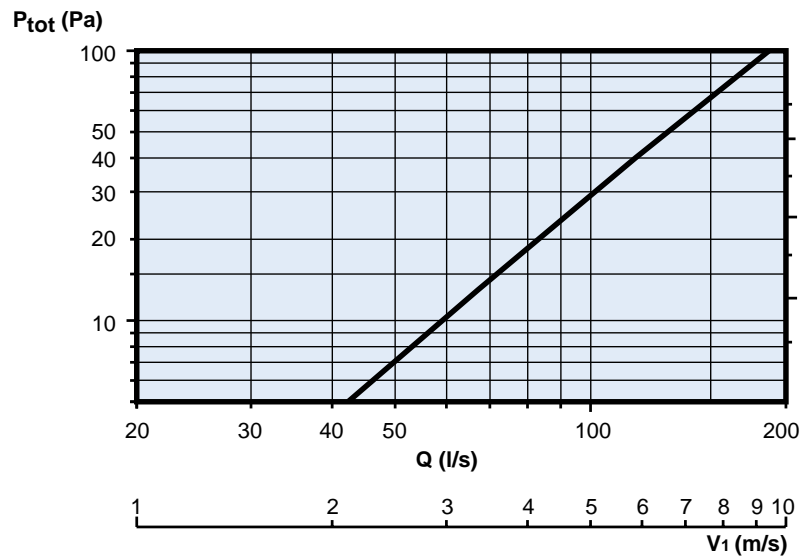




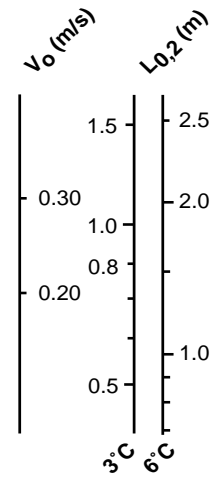
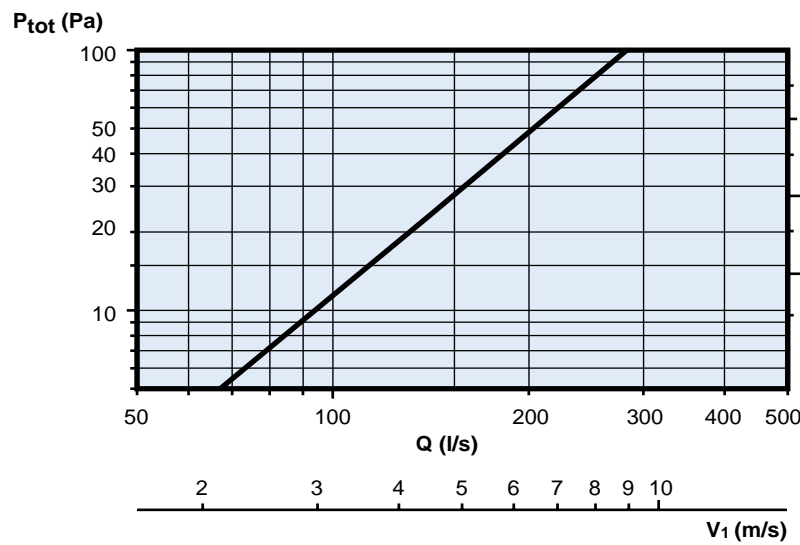
VRX125

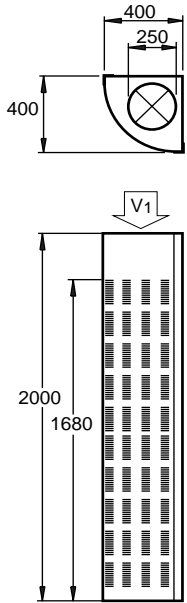


VRX160

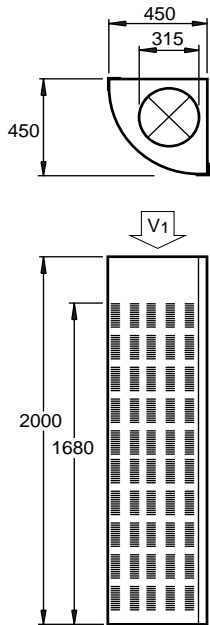
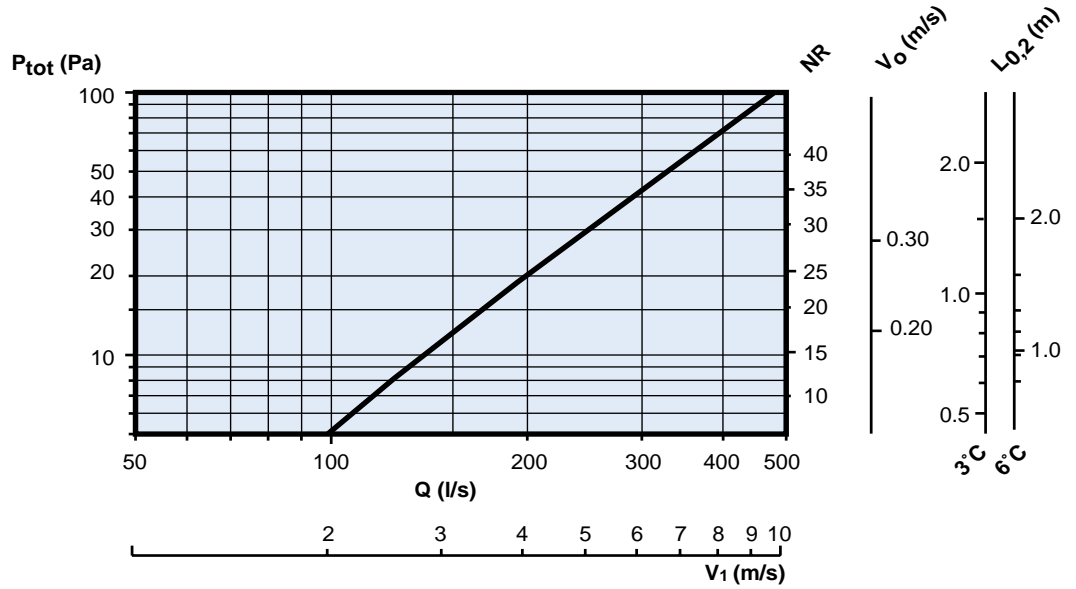


VRX200





VRX250



VRX315

