

Overview

**air diffusion**

# Displacement terminals

## Displacement terminals

# Best comfort at close range

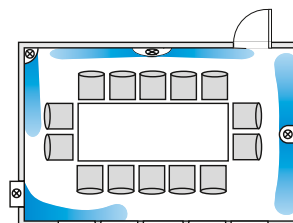


**DCP:** VARIZON® Circular low velocity air diffusers with adjustable spread pattern

Swegon's displacement terminals are made to effectively discharge air at low velocity. To ensure good comfort in rooms, most of the air terminal devices are equipped with Swegon's flexible Varizon® air distribution system, which makes it possible to alter the diffusion pattern. In rooms with high ceilings, substantial energy savings are possible by installing Swegon's displacement terminals with Varizon®.

Swegon offers displacement terminals in many different designs for a wide range of airflows.

Maximal flexibility with discs in Swegon's Varizon® system.



With Varizon®, the terminal can be set to move the near zone away from critical areas – low risk for draught!

## Benefits

### Adjustable diffusion pattern

Varizon®, diffusion system makes adjustment of diffusion image possible.

- Increased comfort. You can be in the vicinity of the air diffuser and not experience draughts.

### Effective at low air velocity

Effective air exchange despite low discharge velocity, means lower demands on air handling unit capacity.

- Good ventilation efficiency with maintained good comfort.
- Lower installation costs with smaller air handling units.

## Brief facts

### Sizes

14 different models.

### Airflow

Up to 3000 l/s (11000 m<sup>3</sup>/h).

### Other

Available in optional colours. Versions suitable both for comfort and industrial ventilation.

For complete specifications, visit: [www.swegon.com](http://www.swegon.com).



## Booster terminal

# The combination that alternates warm with cold

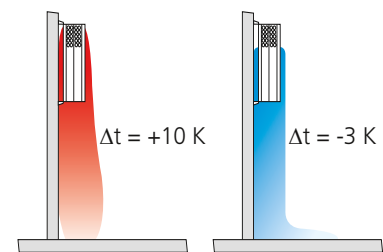


**BOC:** Low velocity air diffuser with heating and cooling function

BOC is a unique air diffuser because it can alternate displacement ventilation. The air diffuser is designed for use in buildings with high ceilings (e.g. sports centres, shopping centres, industries, etc.) and can be either installed suspended from the ceiling or secured to a wall. In this way, BOC doesn't take up any floor space.

When the room needs to be heated, air is discharged downward through the discs in the upper section of the diffuser (mixing ventilation). When the room needs to be cooled, the lower section of the diffuser serves as a displacement air diffuser, supplying air below room temperature at low velocity to the room.

Thanks to the Varizon® air distribution system, the diffusion pattern of the chilled air can also be adjusted to prevent draughts.



*BOC - both a displacement and mixing air terminal.*

### Benefits

#### Can alternate between heating and cooling

When cooling is required BOC serves as a displacement terminal, but when its Booster function is active, it presses hot air downward.

- Great flexibility. It automatically adjusts itself to meet room requirements.

#### Suspended installation

The BOC can be suspended from the ceiling or secured to a wall.

- More floor space for other uses.

#### Joint operation with the GOLD

Swegon's GOLD air handling unit can automatically control the settings of the air terminal devices.

- High and lasting indoor comfort!

### Brief facts

#### Size

Six sizes: Ø200-Ø630 mm.

#### Airflow

Up to 1800 l/s (6500 m³/h).

#### Other

Adjustable between mixing and displacement function.

Accessory: VHC control equipment.

For complete specifications, visit: [www.swegon.com](http://www.swegon.com).

## Displacement units with Booster function

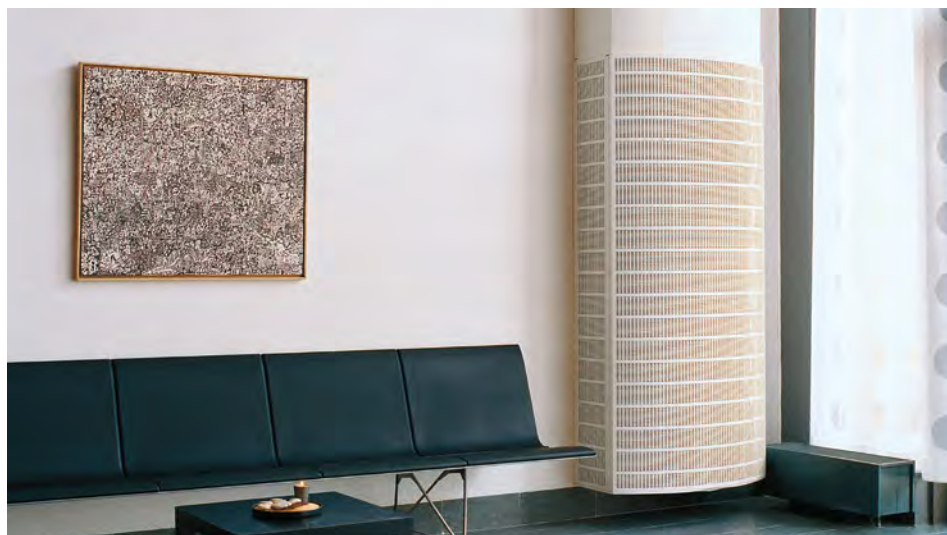


### **BOC Varizon®** Displacement unit with heating function.

**q 160–1600 l/s, 580–5760 m³/h**

- Varizon® air diffusion system
- For rooms heated and cooled by air
- Electric actuator or manual setting
- For rooms with high ceiling heights
- Requires no floor surface
- Connection sizes: Ø200-630 mm

## Displacement units



### **DBC Varizon®** Displacement unit with adjustable diffusion pattern.

**q 75–880 l/s, 270–3170 m³/h**

- Adjustable diffusion pattern and near zone
- Well-suited for all types of rooms where high demands are placed on design and finish
- Measurement tapping
- Connection sizes: Ø200–400 mm,  $\Phi$  200x600–300x600 mm



### **DCP Varizon®** Displacement unit with adjustable diffusion pattern.

**q 60–1200 l/s, 210–4320 m³/h**

- Adjustable diffusion pattern and near zone
- Well-suited for all types of rooms
- Measurement tapping
- Available in induction design
- Connection sizes: Ø125-630 mm



**DHC Varizon®**

Displacement unit with adjustable diffusion pattern.

**q 25–1750 l/s, 90–6300 m³/h**

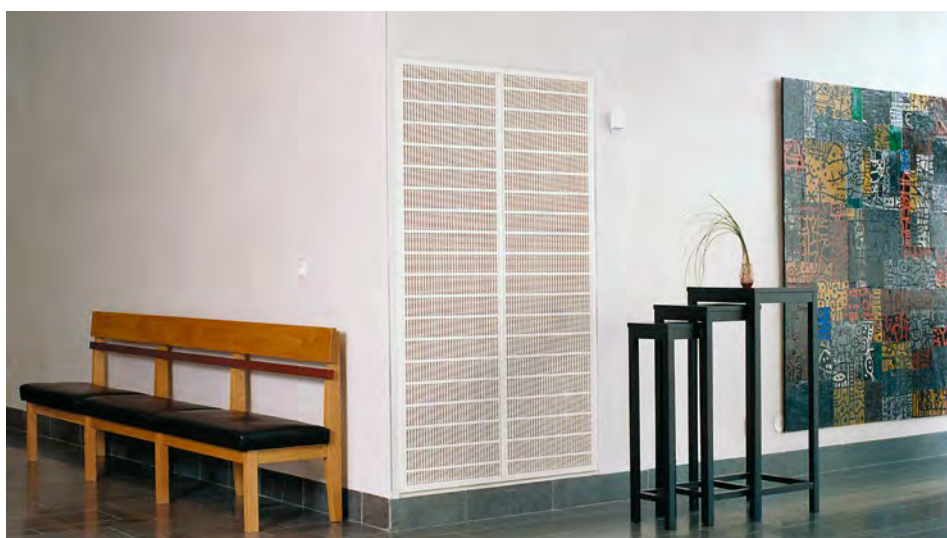
- Adjustable diffusion pattern and near zone
- Well-suited for all types of rooms
- Measurement tapping
- Available in induction design
- Connection sizes: Ø125-800 mm

**DIR Varizon®**

Displacement unit with adjustable diffusion pattern.

**q 30–150 l/s, 105–535 m³/h**

- For flush mounting in walls
- Adjustable diffusion pattern and near zone
- Well-suited for all types of rooms
- Measurement tapping
- Connection sizes: Ø100–200 mm

**DRI Varizon®**

Displacement unit with adjustable diffusion pattern.

**q 70–1150 l/s, 255–4140 m³/h**

- For flush mounting in walls
- Adjustable diffusion pattern and near zone
- Well-suited for all types of room
- Measurement tapping
- Connection sizes: Ø200–400 mm, Φ 250x800 mm



**DVC Varizon®**  
Displacement unit with adjustable  
diffusion pattern.

**q 25–580 l/s, 90–2090 m³/h**

- Adjustable diffusion pattern and near zone
- Well-suited for all types of rooms
- Measurement tapping
- Available in induction design
- Connection sizes: Ø125-400 mm



**DCC**  
Circular displacement unit for small  
airflows.

**q 15–25 l/s, 60–85 m³/h**

- The diffusers are mounted under chairs in the vertical step or in the horizontal plane of the floor.
- Fixed radial diffusion pattern
- Pressure raising insert



**DPG**  
Circular displacement unit for small  
airflows.

**q 10–35 l/s, 30–125 m³**

- The diffusers are mounted under chairs in the vertical step.
- Fixed diffusion pattern
- Pressure raising insert
- Maintenance free
- Suitable also as traditional wall diffuser near ceiling



## DRG

Rectangular displacement unit for small airflows.

**q 15–20 l/s, 50–70 m³/h**

- The diffusers are mounted under chairs in the vertical step.
- The perforated front plate has aerodynamically shaped discs.
- Adjustable diffusion pattern and near zone.



## LOCKZONE B

Vortex air diffuser for raised floors.

**q 10–60 l/s, 45–115 m³/h**

- Robust sheet steel design
- Can be used in combination with ALS commissioning box with damper function or dirt trap LOCKZONE T
- Connection sizes: Ø100–200 mm



We make every breath count.