



Dantherm[®]

Environmental Air Management

LonWorks[®] communication

**COMFORT VENTILATION
WITH HEAT RECOVERY
FOR OFFICES, RESTAURANTS
AND INSTITUTIONS ETC.**



VentR

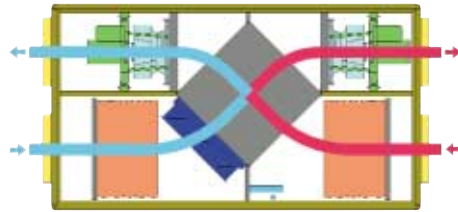


VentC



INTERNAL CLIMATE

The working environment in recent times has come under much evaluation. A badly ventilated room does not provide ideal working conditions. The installation of a ventilation unit provides not only a better and healthier working environment, also from an economic point of view it is a splendid idea, because today's efficient heat recovery systems and low operational costs



VentC

The VentC unit has a diagonal flow heat recuperator and thus offer the advantage that exhaust air and supply air do not get in contact with each other. Therefore this unit is especially suitable for industrial use, but of course also for comfort ventilation.

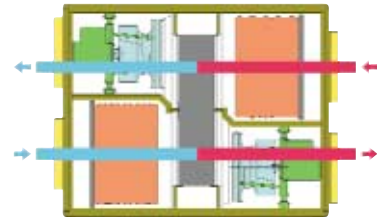
VENT UNITS - IN GENERAL

Air handling units for comfort ventilation with diagonal flow heat exchangers or heat wheels. They are extremely energy-saving thanks to the direct-driven plug fans with frequency-converters. Each type of Vent units are available in 3 sizes and it is thus possible to find exactly the unit that matches the requirements. The size and weight of the units allow easy manoeuvring through a standard door. The units are fitted with an integral, factory-mounted control, with a wall mounted control unit.

ADVANTAGES

- Economical operation
- High efficiency
- Low noise level
- Easy manoeuvring through standard door opening
- Re-heat coil can be left out (VentR))
- Free choice between diagonal flow heat exchangers and heat wheels

will assure a relatively quick pay back period. Throughout the development of the Vent units, Dantherm recognized the importance for small compact units, offering different air volumes and maximum efficiency. The units are suitable for a number of installations in institutions, schools, offices, conference rooms, production rooms etc.



VentR

The VentR unit is a heat wheel version. It is compact and gives a high energy recovery efficiency. The unit is especially ideal for comfort ventilation.

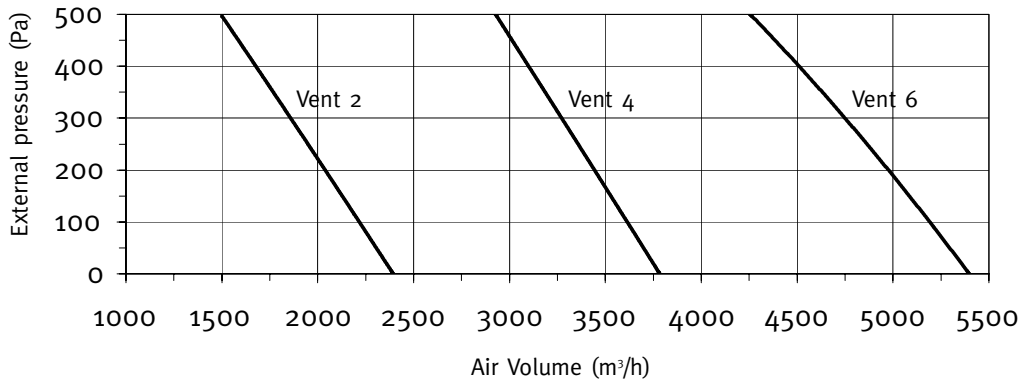
STANDARD VERSION

- Hot-galvanized cabinet with 50 mm insulation
- Filters: Fresh air F7/exhaust F5
- Energy-saving plug fan
- Motors with built-in frequency converters
- Heat wheel with up to 85% efficiency
- Diagonal flow heat exchanger with up to 65% efficiency
- By-pass for free cooling and defrosting
- Bottom frame
- Integrated control with micro processor technique
- Control unit for wall mounting

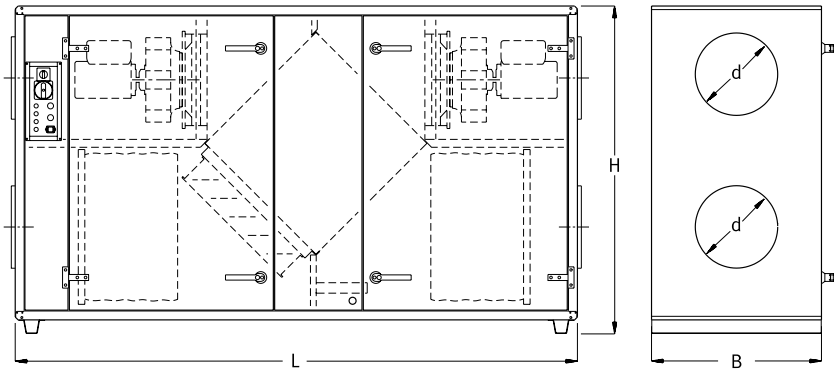
ACCESSORIES

- Fresh air/exhaust air dampers for duct mounting
- Roof for outdoor installation
- Re-heat coil for water and electricity for duct mounting
- Cooling coil for chilled water or direct expansion

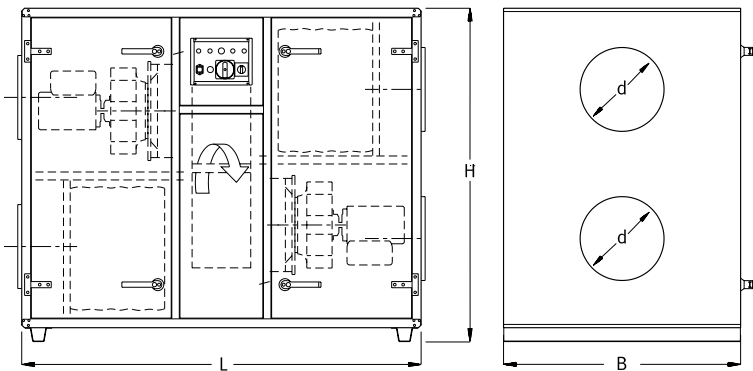
SELECTION CHART



VentC



VentR



Dimensions in mm	H ¹	L	B	Ø d	Weight in kg
VentC 2	1252	2150	650	315	280
VentC 4	1252	2150	890	400	330
VentC 6	1420	2365 ²	1400	500 ³	550
VentR 2	1252	1500	890	315	260
VentR 4	1252	1500	950	400	280
VentR 6	1420	1790 ²	1400	500 ³	490

¹ Height incl. bottom frame.

² These units can be separated in three parts, allowing manoeuvrability through a standard door.

³ VentC6 and VentR6 are with rectangular duct connection on the filter side (400 x 1000 mm.)

HEAD OFFICE

Denmark
A/S Dantherm
Jegstrupvej 4
DK-7800 Skive

Tel: +45 97 52 41 44
Fax: +45 97 52 61 34

E-mail:
dantherm.dk@dantherm.com
www.dantherm.com

EUROPEAN CONTACTS

England
Dantherm Limited
Hither Green
Clevedon
North Somerset
BS21 6XT

Tel: +44 (0)1275 876851
Fax: +44 (0)1275 343086

E-mail:
dantherm.co.uk@dantherm.com
www.dantherm.com

Norway
A/S Dantherm
Løkkeåsveien 26
N-3135 Torød

Tel: +47 33 35 16 00
Fax: +47 33 38 51 91

E-mail:
dantherm.no@dantherm.com
www.dantherm.com

Dealer network
throughout Europe

CONTROLS

The VentC and VentR units are fitted with newly developed control units with micro processors allowing an exact adaptation to the purpose. When developing these control units Dantherm has attached great importance to making the controls as simple and easily understood as possible to obviate operating failures. All important functions are factory-set, making it very easy to carry out the final adjustment on site.

The control is built into the unit and it controls preheating, reheating and recovery etc. The air volume is kept at a constant level by means of an ungraduated control, regardless of external pressure conditions. The separate wall mounted STCU control unit is connected to a socket in the unit. The temperature and air volumes can be independently and individually set for each day of the week.

A flow diagram in a separate cabinet is available as a supplement to the control unit. This will give a good survey of the actual running conditions.

ADVANTAGES

- User-friendly control unit
- Night cooling can be set for summer mode
- Constant air volume, even when filters are dirty
- It is possible to reduce the fresh air volume during the winter so that the re-heat coil can be left out (VentR)
- Possibility of controlling the air volume by using humidity, pressure or airquality sensors

ACCESSORIES

- Wall-mounted flow-diagram for indication of operation/faults
- Module for linking to LonWorks® communication

CORRECT DESIGN

For the design of the perfect ventilation unit Dantherm has developed a calculation programme that allows for the various circumstances that affect the choice of a correct unit.

The calculation programme is available through our website www.dantherm.com, or you may contact us by telephone.



Dantherm[®]
Environmental Air Management