

FRESH 80

Air supply vent • 2004-01-01



Standard Approval
Certification
no. 2150/80



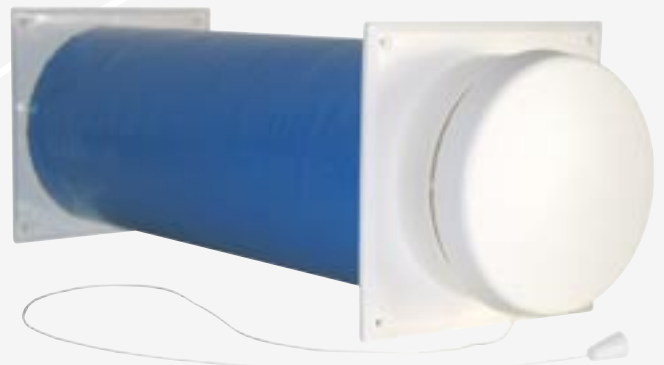
- Easy open/close-mechanism
- Condensation protected
- Adjustable distribution pattern
- Several filter-alternatives
- Complete range of accessories

Fresh 80

Classic wall vent designed to provide a continuous airflow into the building/house. The vent is supplied with filter and condensation protection. Fresh 80 is also available in a sound reduced model (Fresh 80dB).



Fresh 80



Fresh 80-dB

Specification

Product	Description	Art. no.
Fresh 80 Individually packed	Complete vent with wall pipe Ø81/85 mm	180001
Fresh 80 Bulk	Complete vent with wall pipe Ø81/85 mm	800001
Fresh 80 Internal part	Internal part	800011
Fresh 80-dB Bulk	Complete sound-reduced vent, wall pipe Ø81/140 x 400 mm	805121

The vent can easily be adjusted to suit special requests (larger cover plates, other pipe-lengths etc).

Technical facts

Capacity:	5,2 l/s at 10 Pa
Wall opening:	Ø86 mm for Fresh 80 or Ø150 mm for Fresh 80-dB
Material:	ABS-plastic (recyclable)
Colour:	White, RAL 9010

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Description/function

Standard

Air supply vent for wall mounting. The vent is capable of providing the room with large quantities of fresh air without causing draught.

Fresh 80 is used with self induced air supply and mechanical exhaust ventilation.

A complete set contain internal part, 2 x 150 mm-pipes and external grille.

The pipes fit telescopically which provides a flexible join.

Internal part

The internal part is supplied with standard filter and condensation protection. The vent can easily be open/closed with the pull cord. Minimum-flow can be set by adjusting the setting screw (see illustration below).

The distribution pattern can be adjusted by using an air deflector (accessory).

The vent has three filter-alternatives; Standard filter (dust & insect filter), Pollen filter (EU3) and Environmental filter (EU7).

Sound-reduced vent

The sound-reduced model has another wall pipe compared with standard. Besides the dB-pipe it also contain two coverplates (#165). The internal adapter is shortened in order to give optimal sound-reduction. The pipe length is 400mm as standard but can easily be cut to requested length (max.1200mm).

Mounting

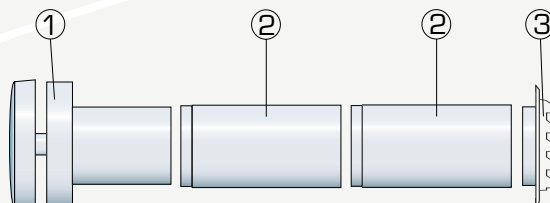
A high placing is recommended preferably above a radiator. With this solution the incoming air mixes with the convection flow of warm air, ensuring maximum comfort.

When using the vent in rooms with under-floor-heating we recommend to use an air deflector (ensures a better mix of air and prevents draught, accessory).

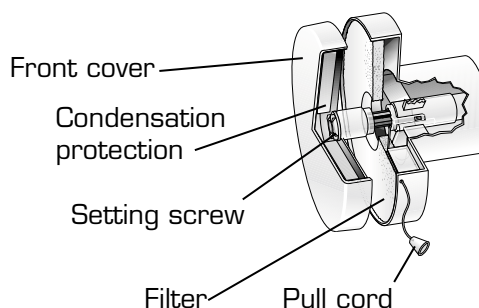
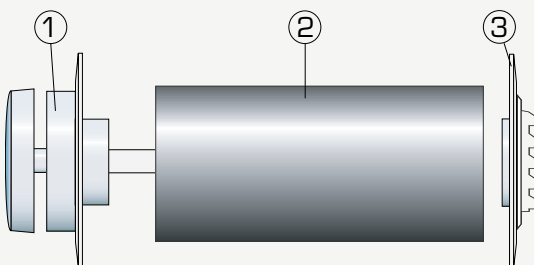
Minimum-flow setting

Minimum-flow is set by taking off the cover. Insert a small screwdriver into its rim. The vent-opening is infinitely variable by adjusting the setting screw (see illustration).

Fresh 80, Ø85mm		
Pos.	Description	Art no
1	Fresh 80 Internal part	800011
2	Wall pipe Ø81/85 x 150 mm	800150
3	External grille #115	801151



Fresh 80-dB, Ø140mm		
Pos.	Description	Art no
1	Fresh 80 Internal part incl. cover-plate #165	805001
2	dB-pipe Ø81/140 x 400 mm	806004
3	External dB-grille incl cover plate #165 mm	805161



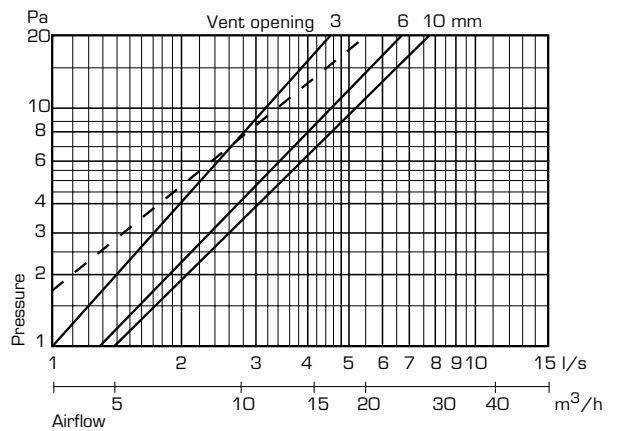
Technical data Fresh 80

Capacity at 10 Pa:	5.2 l/s
Hole opening:	Min. Ø86 mm
Max wall thickness:	360 mm. Additional wall pipes are available (150mm).
Material:	ABS-plastic (recyclable)
Colour:	White, RAL 9010
Sound reduction $D_{n,e,w}$	35 dB

Technical data Fresh 80-dB

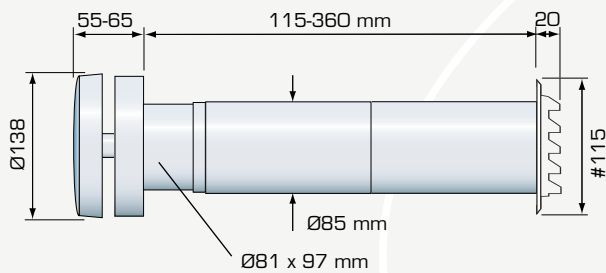
Wall opening:	Ø150 mm
Max wall thickness:	400 mm. For other lengths please contact Fresh AB.

Capacity

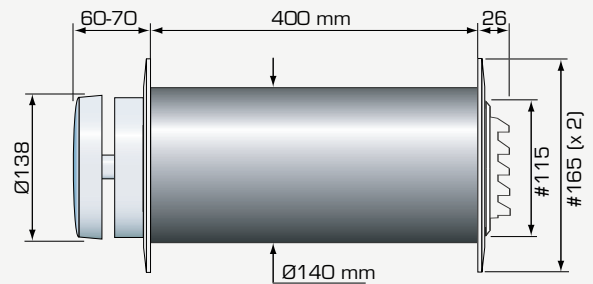


The dotted line illustrates pollen/environmental filter at 10 mm opening.

Dimensions Fresh 80

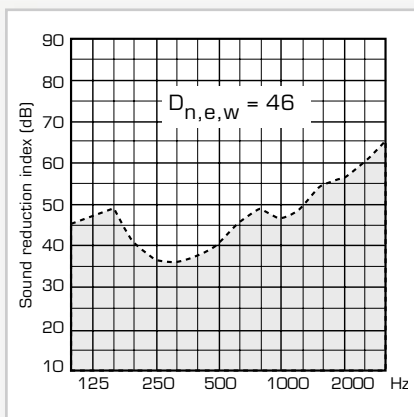


Dimensions Fresh 80-dB

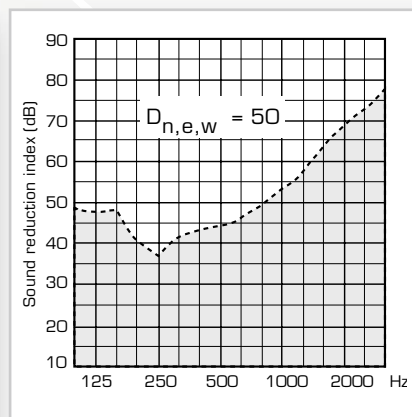


Sound data

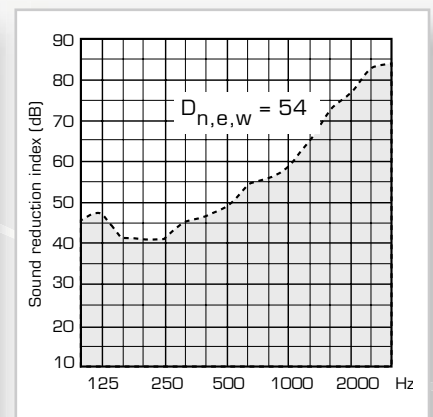
The diagrams show sound-reduction with fully open vent. The calculations are based on a reference area of 10 m².



Fresh 80-dB with 200mm wall pipe.



Fresh 80-dB with 300mm wall pipe.



Fresh 80-dB with 400mm wall pipe.

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Distribution pattern

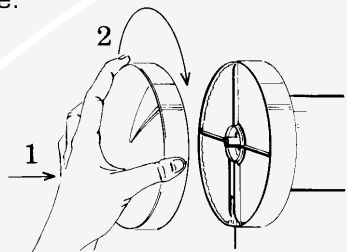
The diagrams show that Fresh 80 can handle up to 8 l/s at -15°C without causing draught problems.

The white areas show the distribution pattern for air movements above 0.15 m/s. The shaded part is the area outside the living/working-space.

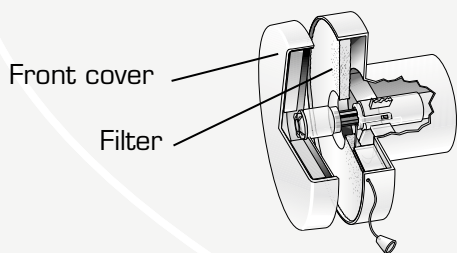
Maintenance

In order to ensure correct airflow and to retain good air quality it is important to keep the filter clean. We recommend to wash/replace the filter 1-2/year.

The Standard filter is washable (use a gentle soap/detergent). The Pollen filter and Environmental filter should be replaced with a new one.



In order to change filter, press the cover and turn it clockwise. Pull off the cover and remove the filter holder. The filter is now accessible to be washed/replaced.



Accessories



Wall pipes

Available in different lengths and sizes.



Cover plate

Available in different sizes and colours



Storm shield

Ø81 mm
Protection against heavy winds and water penetration



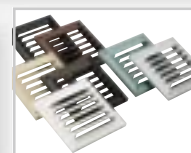
Air deflector

Regulates the air direction.



Filter

Pollen filter (EU3) and Environmental filter (EU7).



External grille

Available in different sizes and colours.

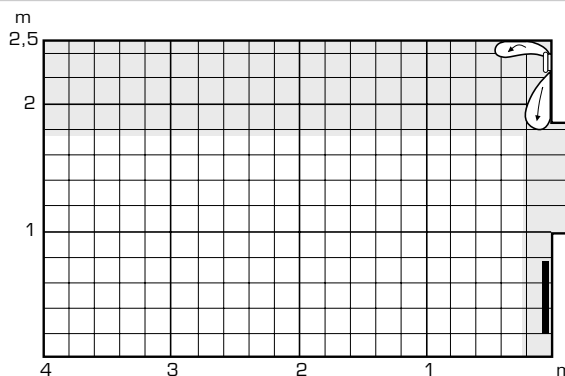


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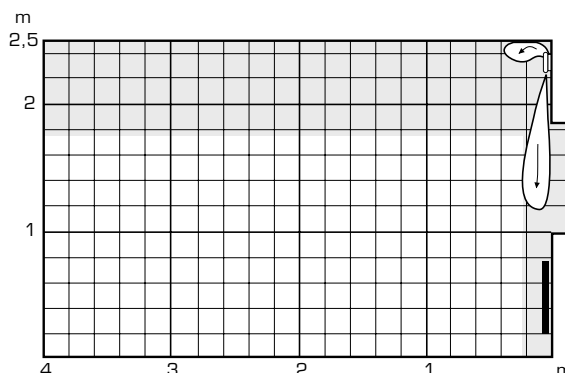


Outdoor temperature: 0°C

Airflow: 4,2 l/s

Indoor temperature: +24°C

Radiator capacity: 380 W

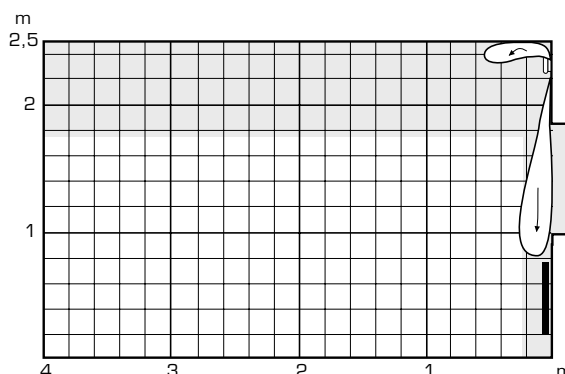


Outdoor temperature: -15°C

Airflow: 4,2 l/s

Indoor temperature: +24°C

Radiator capacity: 665 W



Outdoor temperature: -15°C

Airflow: 8,4 l/s

Indoor temperature: +24°C

Radiator capacity: 850 W