

FALCON HF

The air diffuser for the greatest comfort with large airflows

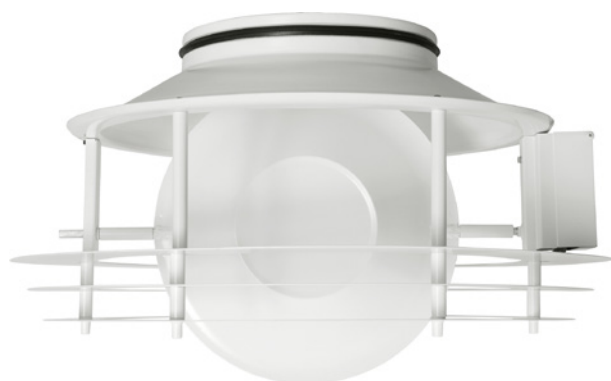


- ▶ Ideal for cooling or heating
- ▶ Same pressure drop for cooling and heating
- ▶ Low sound level

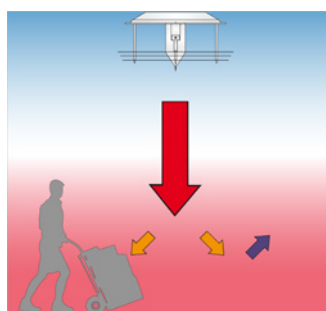


Always the best comfort with FALCON HF

Hot supply air



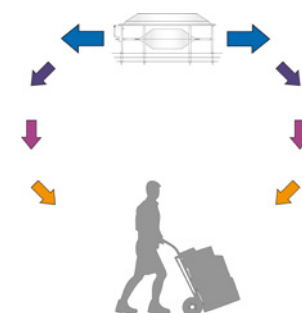
Warm supply air is pushed down vertically before it is mixed, producing the set heat in the occupancy zone.



Cold supply air



Cold supply air is pushed out to the sides where it is mixed before it reaches the occupancy zone, thus preventing draughts.



► Ideal for cooling or heating

FALCON HF features an innovative design that provides unbeatable thermal comfort with both cold and hot supply air.

The outlet cone is set in the horizontal position for cold supply air. The supply air is then pushed out to the sides where it is mixed in a controlled manner without draught in the occupancy zone.

When hot supply air is needed the outlet cone is set in the vertical position and the air is then pushed down so that it really reaches the occupancy zone before mixing occurs.

► Same pressure drop for cooling and heating

The air diffuser gives the same pressure drop regardless of the outlet cone position. This facilitates configuration and eliminates the need of a damper in the duct system. No need to adjust the air handling unit's fans when switching from cooling to heating mode.

► Low sound level

The design of the air diffuser produces a low noise level regardless of the position of the outlet cone. In addition to the comfort advantages, it also means lower investment costs, as it is possible to use smaller ducts and/or fewer air diffusers.

Application area

FALCON HF is the perfect solution for large premises with high ceilings, for example, shopping centres, warehouses, sports arenas, convention centres and other public buildings.

Adjustment of the distribution pattern

As standard FALCON HF is designed for manual adjustment of the outlet cone.

Mounted damper motor (as in the photos above) is available as an accessory. The control unit is also available as an accessory, where adjustments are governed via the set temperature difference between supply and room air.

Design

Standard finish is white RAL 9003 (NCS S 0500-N). Other colours available on request. The duct spigot is equipped with rubber sealing rings, size 315 and 400.

Quick Guide

Airflow - sound level for horizontal spread (cooling)						
FALCON HF Size	25 dB(A)		30 dB(A)		35 dB(A)	
	l/s	m³/h	l/s	m³/h	l/s	m³/h
315	348	1253	402	1447	464	1670
400	534	1922	618	2225	716	2578
500	923	3323	1080	3888	1261	4540