

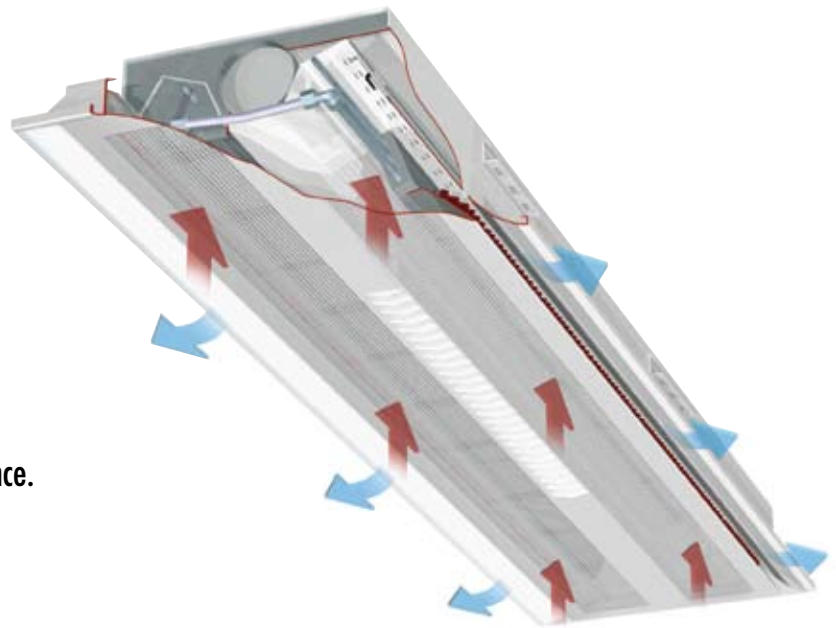


# 36CB CHILLED BEAMS



**DISCREET OPTIMUM COMFORT**

# Chilled beam systems – design for optimum comfort



The 36CB range offers a comprehensive range of air conditioning beams suitable for applications where optimum comfort in the room is of importance.



Designed to ensure draught-free and quiet air flow for perfect room air comfort conditions, the 36CB range offers a cooling and heating solution combined with efficient ventilation and ensures:

- Energy savings
- Advanced comfort
- Flexibility
- Multi-service integration.

## Operating principles of Chilled beam systems

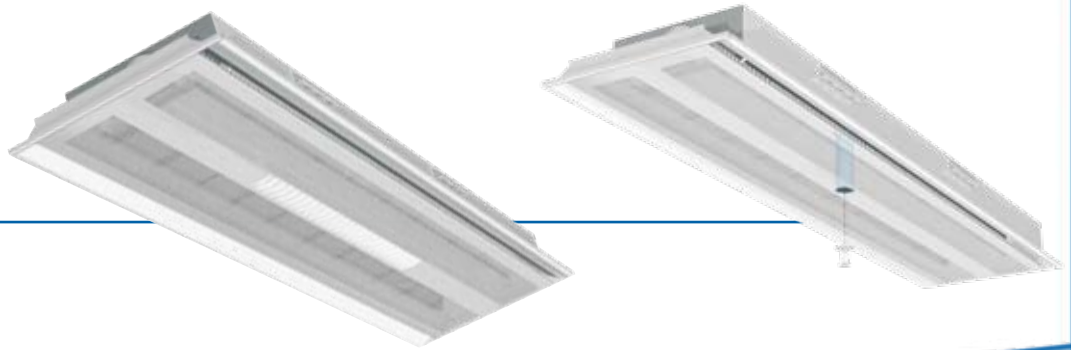
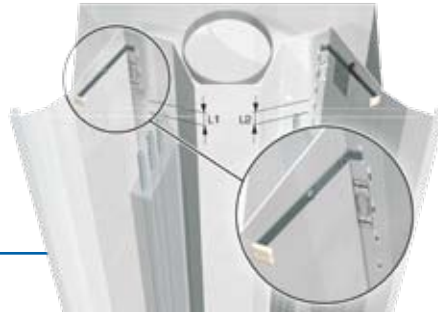
Active chilled beam systems use primary air that has been pre-cooled using chilled water and dimensioned to fulfil the requirements of good air quality for the occupied area. Induced room air is then cooled or heated by the beam to meet the room requirements.

*“The 36CB range is a complete range of chilled beams and accessories suitable for ventilation, cooling and heating in all applications including high cooling demands and/or where there is a requirement for individual temperature control.”*

# New chilled beam 36CB - IQID – From a basic beam to a multi-service beam

The 36CB IQID is an integrated system for ventilation, cooling and heating, fulfilling most indoor air requirements:

- Comfort Control
- High air flow function (2 rows of holes)
- Flow pattern control
- Heating
- Controls
- Lighting and provision for a sprinkler system.



## Chilled beams with FPC (Flow Pattern Control)

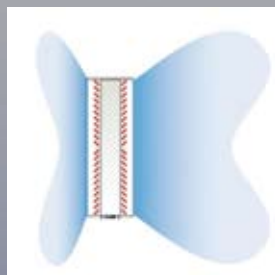
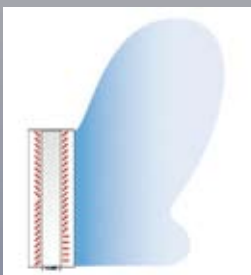
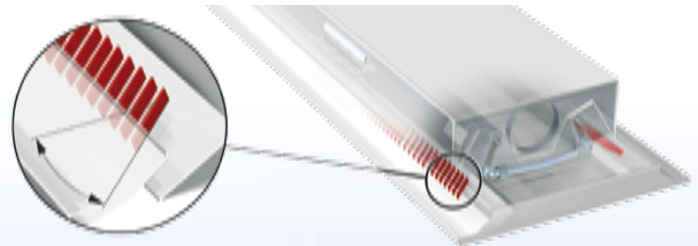
The 36CB is truly unique with the FPC (Flow Pattern Control) function that provides high flexibility in new buildings or refurbishments. The combination of FPC and Comfort Control gives the 36CB beam its unique characteristics.

IQ Beams with FPC function

- Adjustable air vanes in the outlet
- Optimized for minimal noise and pressure drop



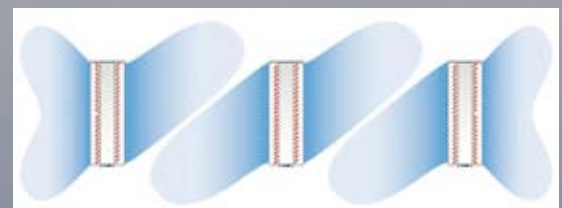
- Sections of 300 mm
- Adjustable air vanes: 0° + 15° + 30° + 45°
- Unique combination with Comfort Control



IQ Beams with FPC function

Highest possible efficiency can be maintained by adjusting the Comfort Control and air vanes!

A combination of different angles on one side is possible.



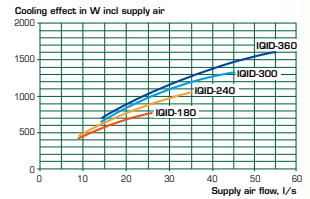
When increased air flow is required, the flow pattern can be adapted to maintain optimal comfort in the room!

# Quick selection guide

## Induction beams

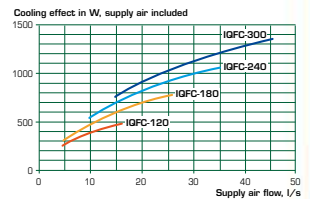
### IQID

- IQID chilled beam for flush mounting into false ceilings
- Very flexible – available in a wide range of versions from basic to multifunctional
- Suitable for standard 600 mm false ceiling modules
- Mounting brackets for quick and easy mounting – lift up – snap on
- Available with the following functions: Comfort control, function for high air flow (2 hole rows), Flow Pattern Control (FPC air deflector), heating, control and regulation equipment, lighting and provision for a sprinkler system



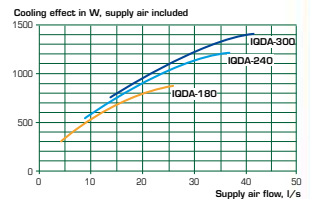
### IQFC

- IQFC chilled beam for exposed installation
- Air flow through beam is directed diagonally upwards
- Capacity and flow directions are easily set
- The bottom plate can be pushed aside to enable adjustment of air flow and capacity for inspection and cleaning
- Patent pending sound attenuator
- Enclosures for connections available as accessories
- Mounting brackets for quick and easy mounting – lift up – snap on



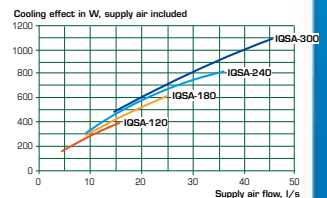
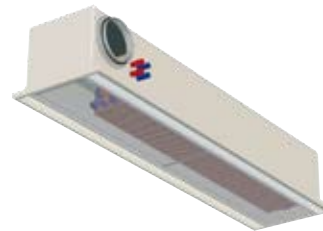
### IQDA

- IQDA customized beam for exposed installation
- Exclusive and slimline design
- Capacity and flow directions are easily set
- Patent pending sound attenuator
- Mounting brackets for quick and easy mounting – lift up – snap on



### IQSA

- IQSA chilled beam for integration into false ceilings
- Suitable for standard 300 mm false ceiling grids
- Capacity and flow directions are easily set
- The bottom plate can be pushed aside to enable inspection and cleaning
- Patent pending sound attenuator
- Mounting brackets for quick and easy mounting – lift up – snap on.



### IQTA

- IQTA chilled beam for exposed installation
- Air and water connection within extended casing (300 mm/600 mm)
- Available in three standard lengths, 210, 270 and 330 mm
- Installed using special brackets attached to the wall or ceiling
- The bottom plate can be pushed aside to enable inspection and cleaning.

