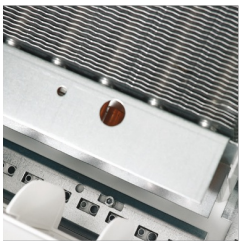
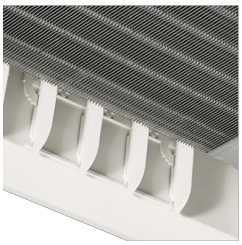




Conforme à VDI 6022

DID614

ACTIVE CHILLED BEAM WITH FOUR-WAY AIR DISCHARGE AND HORIZONTAL HEAT EXCHANGER, SUITABLE FOR SUSPENDED CEILING SYSTEMS

Active chilled beam for heating and cooling, with 2-pipe or 4-pipe heat exchanger, for integration with various ceiling systems.

- Preferably for room heights up to 4.20 m
- High heating and cooling capacity with a low conditioned primary air volume flow rate and low sound power level
- High comfort levels due to low airflow velocity in the occupied zone
- Five nozzle variants, including a variant with adjustable twin nozzles, to optimise induction
- Removable front, fixed with magnets

Optional equipment and accessories

- Regulating equipment

APPLICATION

Active chilled beams of Type DID614 for the integration into various ceiling systems, preferably for room heights up to 4,20 m

- Particularly suitable for suspende ceiling system
- 2-pipe or 4-pipe heat exchangers enable good comfort levels with a low conditioned primary air volume flow rate
- Energy-efficient solution since water is used as a medium for heating and cooling
- Adjustable JetSplit air control blades (optional) allow for the manual adjustment of the four-way air discharge
- Large volume flow rate range due to the adjustable twin nozzles (optional)
- Delivered with measuring outlet

DESCRIPTION

Materials and surfaces

- Casing, spigot, nozzle plate and front is made of galvanised sheet steel
- Heat exchanger with copper tubes and aluminium fins
- Exposed surfaces are powder-coated with RAL 9003 - gloss 30
- JetSplit air control blades made of polypropylene, UL 94, flame retardant (V0))

Construction

- Spigot is suitable for circular ducts to EN 1506 or EN 13180
- Removable front, fixed with magnets, secured with safety cables
- 4 suspension points for on-site installation
- Five nozzle variants to optimise induction

TECHNICAL INFORMATION

JetSplit for airflow control

When a high cooling capacity is required in a very small space, the JetSplit fins can be adjusted to ensure that authorised air velocities in the occupied zone are not exceeded. The airflow from each baffle can easily be distributed to suit the geometry of the room. If the use of the room changes, the air distribution can easily be adjusted by changing the setting of the JetSplit fins of the chilled beam.

- It is possible to adjust several JetSplit blades at the same time.

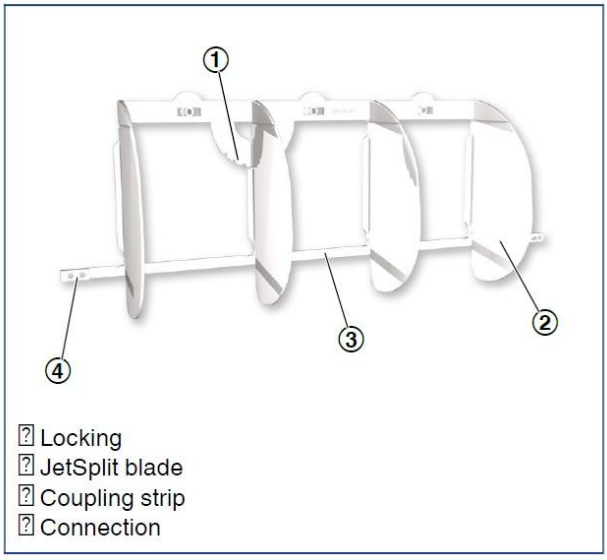
- For fine adjustments, the rows of JetSplit blades can be disconnected from each other and individually adjusted. - To adjust an entire row of JetSplit blades, use both hands to move the two outermost blades as needed.

- The maximum possible adjustment is 45° to the right or left in 15° increments.

- The JetSplit blades are factory set for straight airflow.

If the airflow is directed to the sides, the capacity on the water side will be slightly affected. JetSplit blades set at 45° can cause a loss of up to 5%.

Set of JetSplit air control blades



Nominal length	600, 1200 mm
Length	593, 598, or 1193, 1198 mm
Height	230/245/285 mm
Widht	593, 598 mm
Primary air spigot, diameter	125/160/200 mm
Max. operating pressure, water side	10 bar
Max. operating temperature	75 C

DID614 – 0 – 4 – HE – R – A1 / 593 x 593 – 160 – SL – RAL 9006 / KV24 / HV24
1 2 3 4 5 6 7 8 9 10 11

1 Type

DID614 Active cilled beam

2 Design variant

No entry: perforated front with circular holes, encased

3 Heat exchanger

2 2-pipe, cooling
4 4-pipe, heating/cooling

4 Nozzle variants

HE High Efficiency
S1 Standard, small
S2 Standard, large
HP High performance
DA Double adjustable nozzles
Factory setting: all nozzles are open
DA-F Double fixed nozzles

5 Position of water connection

R Right side
L Left side

6 Water connections

No entry: plain pipe tails, Ø12 x 1mm
A1 Tectite 12mm to ½" external thread****
A2 Tectite 12mm to ½" internal thread****

7 Overall dimensions [mm]

L x B, nominal size 600 x 600
593 x 593 (A-edge/plasterboard)
598 x 598 (DS/DC)
575 x 575 (E-edge T24)
584 x 584 (E-edge T15)
L x B, nominal size 1200 x 600
1193 x 593 (A-edge/plasterboard)
1198 x 598 (DS/DC)
1175 x 575 (E-edge T24)
1184 x 584 (E-edge T15)

8 Primary spigot

125 125 mm*
160 160 mm**
200 200 mm***

9 Exposed surface

No entry:powder coated **RAL 9003 - gloss 30**
SL-RAL Special finish
SL-NCS Special finish

10 Cooling valve - actuator

No entry: none
KV Cooling valve****
KV 24 Cooling valve and actuator 24V on/off with adjustable kV****
KV 230 Cooling valve and actuator 230V on/off with adjustable kV****

11 Heating valve - actuator

No entry: none
HV Heating valve****
HV 24 Heating valve and actuator 24V on/off with adjustable kV****
HV 230 Heating valve and actuator 230V on/off with adjustable kV****

* Only with nozzle variant HE, S1 og DA
** Only with nozzle variant S2, HP, DA og DA-F
*** Only with nozzle variant S2 or HP, and standarddimension1200x600
****Supplied in loose parts