

# AIR-WATER SYSTEMS – INNOVATIVE FUNCTIONS, INNOVATIVE DESIGN TROX INNOVATIONS AT THE BAU 2015

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Focus Design – this is the motto under which TROX proves once more its innovative potential at the BAU 2015 (Hall B1, Booth 120), which takes place from 19 to 24 January 2015 in Munich, Germany. The presentations revolve around the concept of separating function and design and the resulting freedom for architects and specialist consultants when turning technical challenges into aesthetic solutions.

A new highlight from TROX is the new Type DID614 active chilled beam with four-way air discharge and horizontal heat exchanger, suitable for grid ceilings with grid size 600 or 625. This new addition to the range of active chilled beams is about to set a new design standard.

The DID614 is, just like the DID604, available as a square (600 x 600 mm) or rectangular variant (1200 x 600 mm) and can be fitted with a 2-pipe or 4-pipe heat exchanger. The induced air grille can be easily removed; its elegant design with decreasing apertures towards the edges makes it an aesthetic element of modern ceiling systems. New options include water-side connections using push-fit couplings and new nozzle geometries such as the adjustable twin nozzles, which increase the range of applications of the units.

DID614 advantages at a glance:

- > 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 based on demand
- > Removable induced air grille, fixed with magnets, with decreasing apertures towards the edges
- > Adjustable air control blades to control the airflow in the room (optional)
- > Optimised control package for each project (optional)

*DID614 active chilled beams are available in two sizes, 600 x 600 mm square or 1200 x 600 mm rectangular; they are designed for a cooling capacity of up to 2 000 W or a heating capacity of up to 1600 W and for volume flow rates from 8 to 70 l/s or 30 to 250 m<sup>3</sup>/h.*

Customers' creative freedom was again given prominence in the development of the new DID642 active chilled beam. The slim active chilled beams provide more creative options. Whether low false ceilings in new buildings, or refurbished buildings with little clear height – the DID642 opens up a world of possibilities for designers and architects. The brilliant energy efficiency of the water-chilled system is a cool feature for serious cost controllers.

DID642 advantages at a glance:

- > Comfortable ventilation and air conditioning for rooms with a high cooling load
- > Particularly suitable for room heights up to 4.2 m
- > High heating and cooling capacity with a low conditioned primary air volume flow rate and low sound power level
- > Low airflow velocity in the occupied zone
- > Adjustable air control blades to control the airflow in the room (optional)
- > Hinged induced air grille with decreasing apertures towards the edges
- > Heat exchanger for 2-pipe or 4-pipe systems
- > Supply and extract air combination available
- > Wide border allows for free hanging or canopy-type installation (optional)
- > Optimised control package for each project (optional)



*DID642 active chilled beams come in sizes from 900 to 3000x600x170 mm (LxHxD) and have been designed for a cooling capacity of up to 2600 W or a heating capacity of up to 3500 W, and for volume flow rates of 8 to 85 l/s or 30 to 300 m<sup>3</sup>/h.*

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TROX is leading in the development, manufacture and sale of components, units and systems for the ventilation and air conditioning of rooms. With 30 subsidiary companies in 30 countries on 5 continents, 14 production facilities, and importers and representatives, TROX is present in over 70 countries. Founded in 1951, TROX generated in 2013 with a total of 3,700 employees around the globe revenues of €416 million.

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