



Press Information

More Space to Save Energy: deltaclima Coolwall® provides double cooling capacity on equal space

Reiskirchen, 21.02.2011: Weiss Klimatechnik is presenting a unique solution for air-conditioning of data centres on the ISH fair this year:

deltaclima Coolwall®

is the name of the new product changing the complete engineering room into a cooling unit and offering an extremely high cooling capacity at low energy consumption.

The advantages of the deltaclima Coolwall® are given in its construction: The new cooling system is functioning as an air-conditioning cabinet indeed, though it disclaims the unit housing. So the complete height and width of the engineering room can be used for cooling the air. Thus the enlarged cooling surface combined with the flexible air flow with fans in the false floor enables a duplicated cooling capacity in comparison with the precision cooling plants.

The deltaclima Coolwall® consists of a wall with cooling and filter module. Special energy-saving EC fans behind the cooler wall guarantee the necessary air flow. Cooling can be optimally adapted to the needed capacity by the number of fans and construction of the heat exchangers. Furthermore, higher water temperatures can be used owing to the extended cooler surfaces affording the longer utilization of the indirect free cooling at corresponding exterior temperatures. Moreover, the energy consumption of the fans in comparison with air-conditioning cabinets is considerably decreased, as the internal pressure losses are reduced. The modular control is a further specific feature of the system not only controlling the cooling unit but also the whole equipment.

Weiss Klimatechnik GmbH

Greizer Straße 41-49
35447 Reiskirchen-Lindenstruth
Germany

Telefon: +49 (0) 6408/84 65 00
Telefax: +49 (0) 6408/84 87 20

www.wkt.com

ict@wkt.com



As the Coolwall® can be obtained as warm and cold room concept it is absolutely flexible – the new system can be individually adapted to each room architecture. Thereby this product innovation is primarily designed for big-size data centres with a cooling capacity of 400 to 500 kW. So the installation costs of the Coolwall® are considerably lower in price in comparison with previous precision air-conditioning units.

Focussing the cooling of large surfaces Weiss anticipates a future trend: „Small data centres will die off and will be centred up in large data centres“, Dipl.-Ing. Stephan Lang, head of sales department ICT at Weiss, is completely convinced. “Always higher loads have to be dissipated with the incentive at the same time to save energy”. The aim to fulfil this demand is always the motive force for Weiss Klimatechnik GmbH to develop energy-efficient and high-capacity innovations. Here the Coolwall® is the forceful advancement of the successful deltaclima® series. With this energy and space saving system the air-conditioning specialist recaptures the pioneering task with the intelligent cooling of large-space data centres.

As concerns the company

Weiss Klimatechnik GmbH offers air-conditioning for the information and telecommunication technology, hygiene air-conditioning solutions for all functional areas in the hospital as well as clean rooms for all classes and applications by its divisions ICT, Mediclean®, Ultraclean®, Ultraconstant® and service. A bulky service package completes the business activities.

The company Weiss Klimatechnik GmbH has been emerged from Karl Weiss GmbH founded in 1956 and belongs to the Weiss Group together with the sister company Weiss Umwelttechnik GmbH. This Weiss Group is employing about 1.800 persons in 14 countries, 850 of them are located in Reiskirchen-Lindenstruth in Hesse. Both companies themselves are represented by various subsidiaries and holdings worldwide.



Since 1978 Weiss belongs to the Schunk Group, an international technology group with more than 60 executive associations and about 8.000 staff members in 26 countries. Being specialised in system and material engineering this group of companies provides a large scale of products and services in the fields of carbon technology and ceramics, environmental simulation and air-conditioning technology, sintered metal and ultra-welding technology.

Press Contact:

Schunk Group
Mrs. Daniela Grosche
Rodheimer Straße 59
35452 Heuchelheim / Germany
Phone: +49 (0) 641 / 608-17 59
Fax: +49 (0) 641 / 608-2817 59
E-mail: daniela.grosche@schunk-group.com