CASE STORY

Efficient cooling of Infosys' Data Center

A large Data Center needs a powerful cooling solution. Infosys Technologies Ltd., a leading IT company with its headquarters in Bangalore, India, wanted a cost-efficient solution with high efficiency. They opted for a SWEP brazed plate heat exchanger (BPHE), due to its additional advantage of having a low carbon footprint

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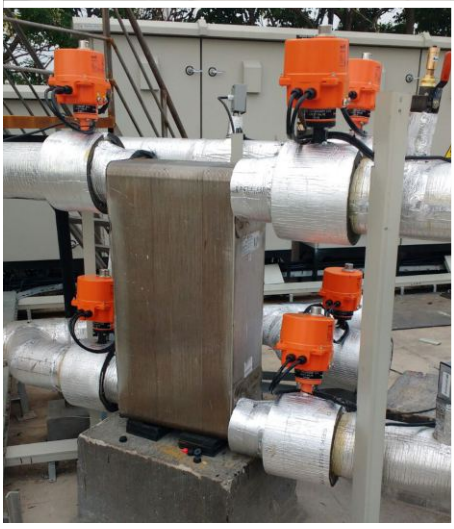

SWEP B439.

Infosys Technologies was founded in 1981 and is a global leader in consulting, technology, out-sourcing and next-generation services. With clients in more than 50 countries, Infosys helps enterprises transform and thrive in a changing world through strategic consulting and operational leadership.

At Infosys, responsibility extends beyond business. The Infosys Foundation provides assistance to some of the more socially and economically depressed sectors of the communities where the company is active. An ethical and honest behavior in all interactions creates long-term relationships with clients, partners and employees. With this approach to business, it is easy to understand why the Infosys executives opted for a cost-efficient and environmentally-friendly solution when they, in cooperation with Schneider Electric, had to come up with a solution for a Data Center cooling application.

“SWEP is a major market player of brazed plate heat exchangers (BPHEs) in the world today”, says Infosys. “We selected SWEP based on the parameters on the selection sheet provided by its sales executive. After the installation of the B439, we know that the design parameters are in line with the selection and that the efficiency meets our requirements.”

BPHE’s are used for a critical single phase water-to-water application where cooling temperature of data center needs to be maintained throughout the operation. The B439 is designed for high heat transfer. It has two plate types, which can also be used together, suitable for a wide range of heating, cooling, and industrial applications. With 4" connections it handles up to 156 m³/h (686 gpm) water flow. Another advantage is the size. “The B439 is compact and have good MOC (Material of Construction)”, says Infosys. “We are going to closely observe the application to check life expectancy and other parameters, but so far we are more than satisfied with the great response from the sales team. The Data Center is the most energy-efficient one at Infosys and the performance of the heat exchanger plays a major role in its efficiency.”

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