

Product profile



BITZER SE

Peter-Schaufler-Platz 1
71065 Sindelfingen // Germany
Tel +49 7031 932-0
bitzer@bitzer.de // www.bitzer.de

Unser Zeichen // Our Ref.

Abs. // Sender	Stefanie Holst
Abt. // Dept.	Head of Corporate Communications and Marketing Content
Tel Dw. // Ext.	+49 7031 932-4327
E-Mail	stefanie.holst@bitzer.de

BITZER KE series: water cooled condensers for efficient and flexible system concepts

The water cooled condensers of the BITZER KE series offer energy-efficient solutions¹ for a wide range of applications. With condensing capacities from 5 to 2,600 kW, a wide variety of configuration options and versions for natural and synthetic refrigerants, they can be flexibly integrated into a wide range of system concepts. Operation is possible with both fresh water and cooling brine.

Regardless of whether they are used in process cooling, liquid chillers for comfort cooling or high-capacity heat pump applications, the KE series has been developed to provide a balanced combination of performance, energy efficiency and operational reliability. The newly developed design enables low approach temperature differences between the leaving water temperature and the condensing temperature, thereby contributing to efficient system operation. At the same time, the compact design ensures high performance within a limited installation space.

For maximum adaptability, the condensers are available in two-pass or four-pass versions, with eleven shell diameters and ten standard tube lengths. This enables planners and system builders to tailor the components precisely to the requirements of each individual project.

The KE series is available for hydrocarbons, ammonia (R717), HFCs, HFOs and HFC/HFO blends. In addition, BITZER offers special versions for high temperature heat pumps as well as designs for increased pressure requirements.

¹ Cf. www.bitzer.de/empco

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The KE series replaces the previous BITZER K, CXP and CRF condenser series. Connection dimensions and overall dimensions have been designed to enable straightforward replacement of existing condensers.



As an independent specialist for refrigeration, air conditioning and heat pump technology, BITZER is present all over the world: with products and services for refrigeration, air conditioning and process cooling as well as transport, BITZER ensures optimum temperature conditions for trade in goods, industry processes and indoor climate control – always striving for the highest possible energy efficiency and quality. BITZER is represented all over the world with 74 sites in 40 countries, including its sales companies and production facilities. Trade and service partners included, the BITZER network of manufacturing, development and sales extends to almost all countries in the world. In 2025, 4,500 employees generated a turnover of €1.135 billion; expenditure for research and development totalled €67 million.

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Image: Water cooled condensers of the KE series