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Pumps • Valves • Service



CHTC – Boiler feed pump

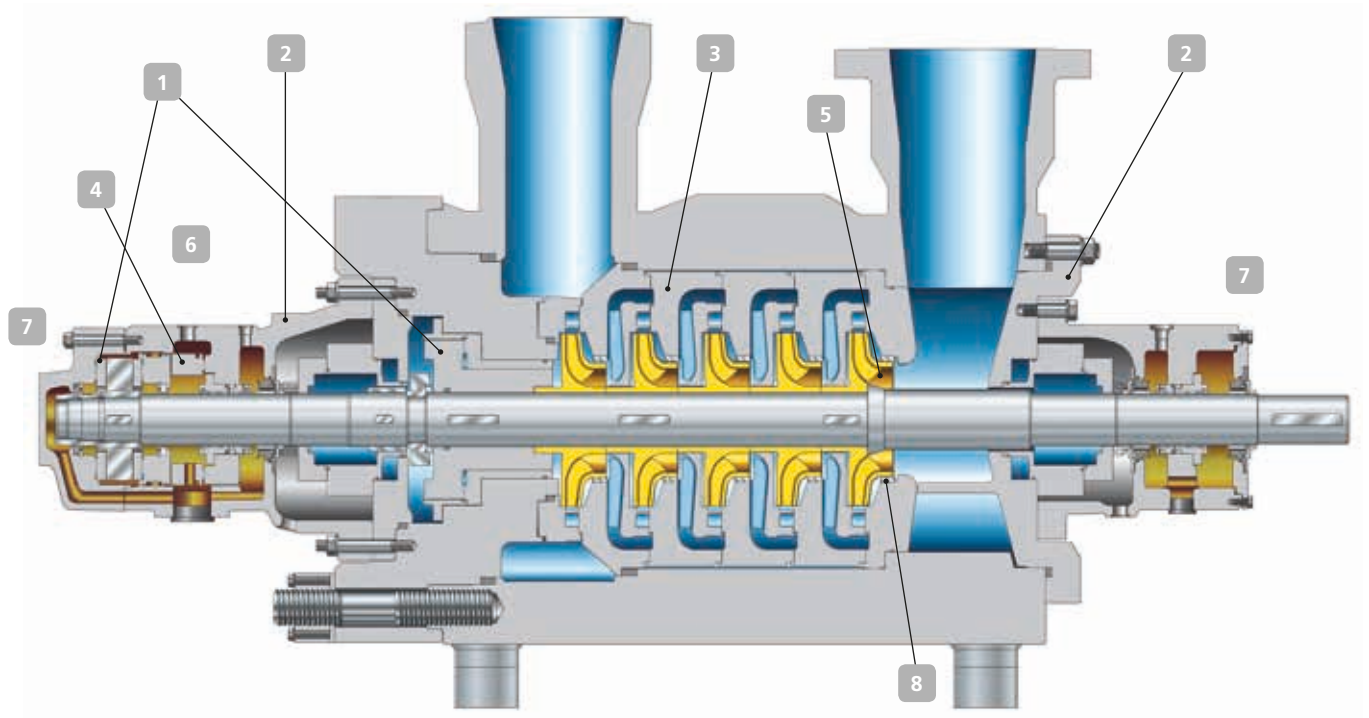


Applications:

- Handling of boiler feed water and condensate in power stations and industrial facilities
- Generation of pressurised water for descaling equipment

More information: www.ksb.com/products

CHTC – Boiler feed pump



High operating reliability

- 1 In the case of axial thrust balancing by double drum, the residual axial thrust is absorbed by a tilting-pad thrust bearing
- 2 Optimisation of casing design in terms of line of action of force
- 3 Adaptation of pump casing to rotor deflection line

Long service life

- 4 Transmission of axial forces to the bearing housing by means of a cardanic ring avoids wear on the thrust bearing
- 5 Low NPSH value thanks to fitting of suction stage impeller as a standard

Materials

Barrel	Carbon steel
Stage casing	Chromium steel
Impeller / diffuser	Chromium steel
Shaft	Quenched and tempered steel

Ease of service

- 6 Replacement of pump cartridge without having to remove the pump from the piping
- 7 Maintenance work on wear parts with no opening of the pump

Reduced operating costs

- 8 Efficiency improvement through cellular surface wear rings

Technical data*

Capacity	up to 1,280 m ³ /h
Head	up to 4,200 m
Operating pressure	up to 420 bar
Temperature	up to 200 °C
Speed	up to 6,750 min ⁻¹
Frequency	50/60 Hz

*Higher ratings on request



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