

HGC – Horizontal, multistage, high-pressure ring-section pump

Industry

Water

Waste Water

Energy

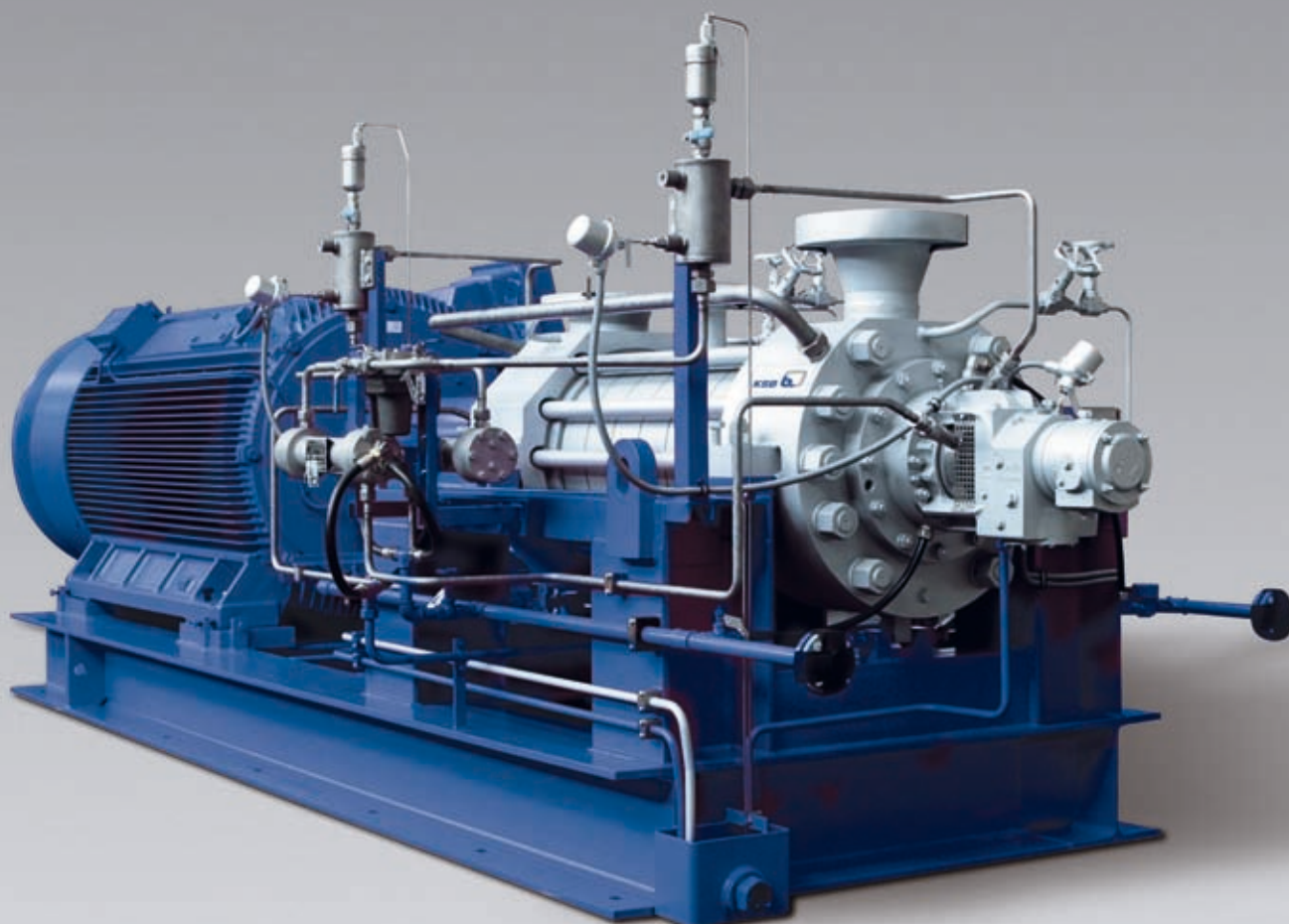
Building Services

Mining

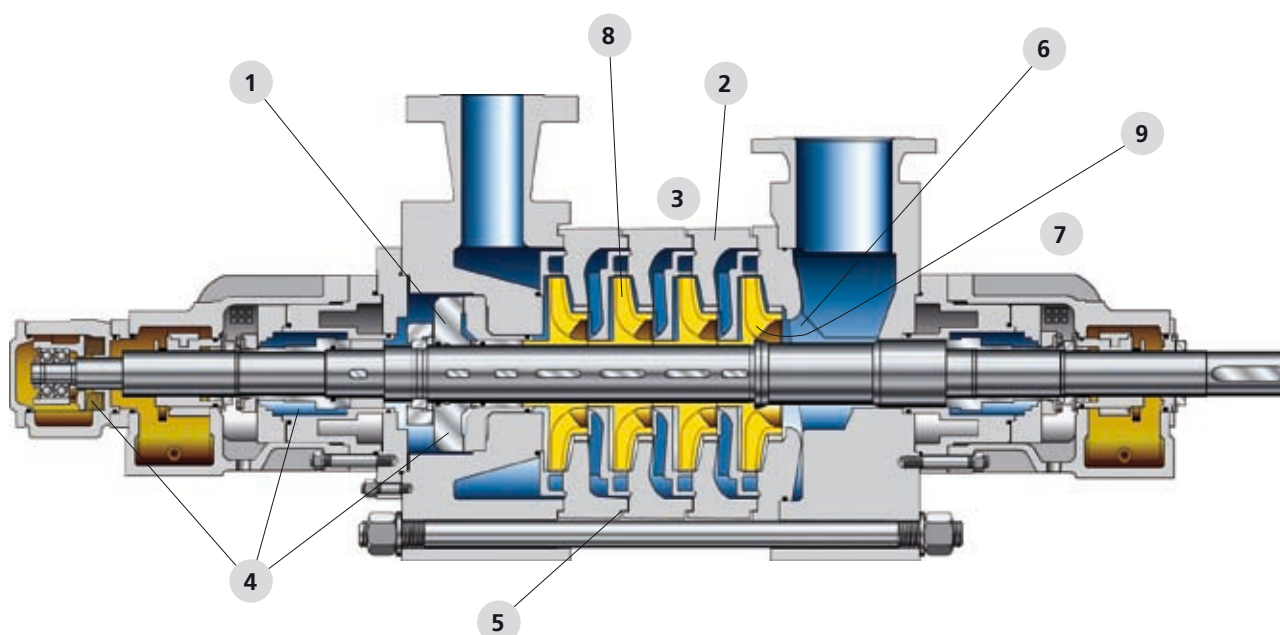
Applications:

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

Further information: www.ksb.com/products



HGC – Horizontal, multistage, high-pressure ring-section pump



High operating reliability

- 1 Axial thrust balancing by balance disc
- 2 Adaptation of pump casing to rotor deflection line

Tapping

- 3 Extraction of one or several partial flows of feed water for use elsewhere in the power station

Ease of service

- 4 Easy maintenance of wear parts (bearings, seal elements, balancing devices)
- 5 Metal-to-metal sealing of casing

Long service life

- 6 Avoidance of cavitation erosion inside the pump through hydraulically optimised inlet

Reduced energy costs

- 7 No pre-warming of pump required
- 8 More than 100 impeller/diffuser combinations with optimum efficiencies possible

Low capital expenditure

- 9 Double-entry inlet available as an option (so, in many applications, no booster pump is required)

Materials

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

Technical data

Capacity	up to 1,450 m³/h
Head	up to 4,200 m
Operating pressure	up to 420 bar
Temperature	up to 200 °C
Speed	up to 7,000 min⁻¹