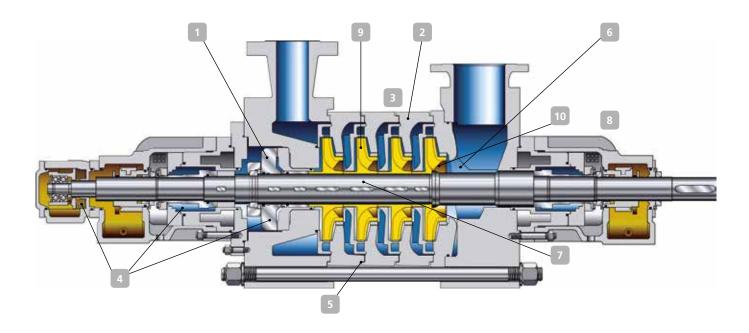


HGC – Boiler feed pump



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

Materials

Suction casing	Carbon steel
Diacharge casing	Chrome steel
Stage casing	Chrome steel
Impeller / Diffuser	Chrome steel
Shaft	Quenched and tempered steel

Long service life

- 6 Avoidance of cavitation erosion inside the pump through hydraulically optimised inlet
- 7 Variant straight shaft design featuring increased operation safety

Reduced energy costs

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

Low capital expenditure

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

Technical data*

up to 1,450 m³/h
up to 4,200 m
up to 420 bar
up to 200 °C
up to 7,000 m ⁻¹
50/60 Hz

^{*}Higher ratings on request

