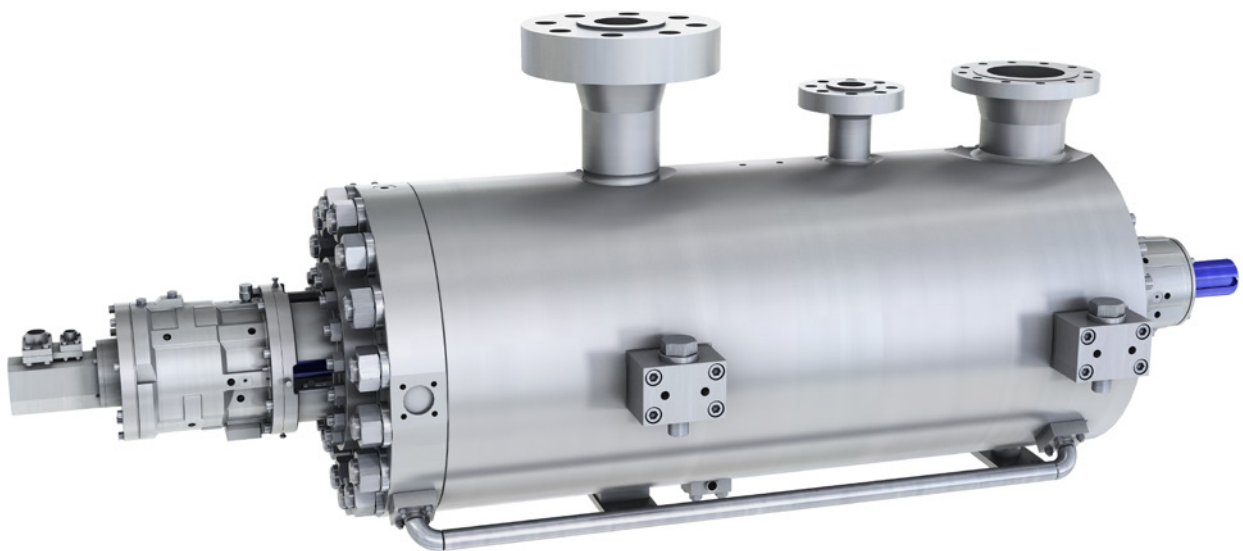
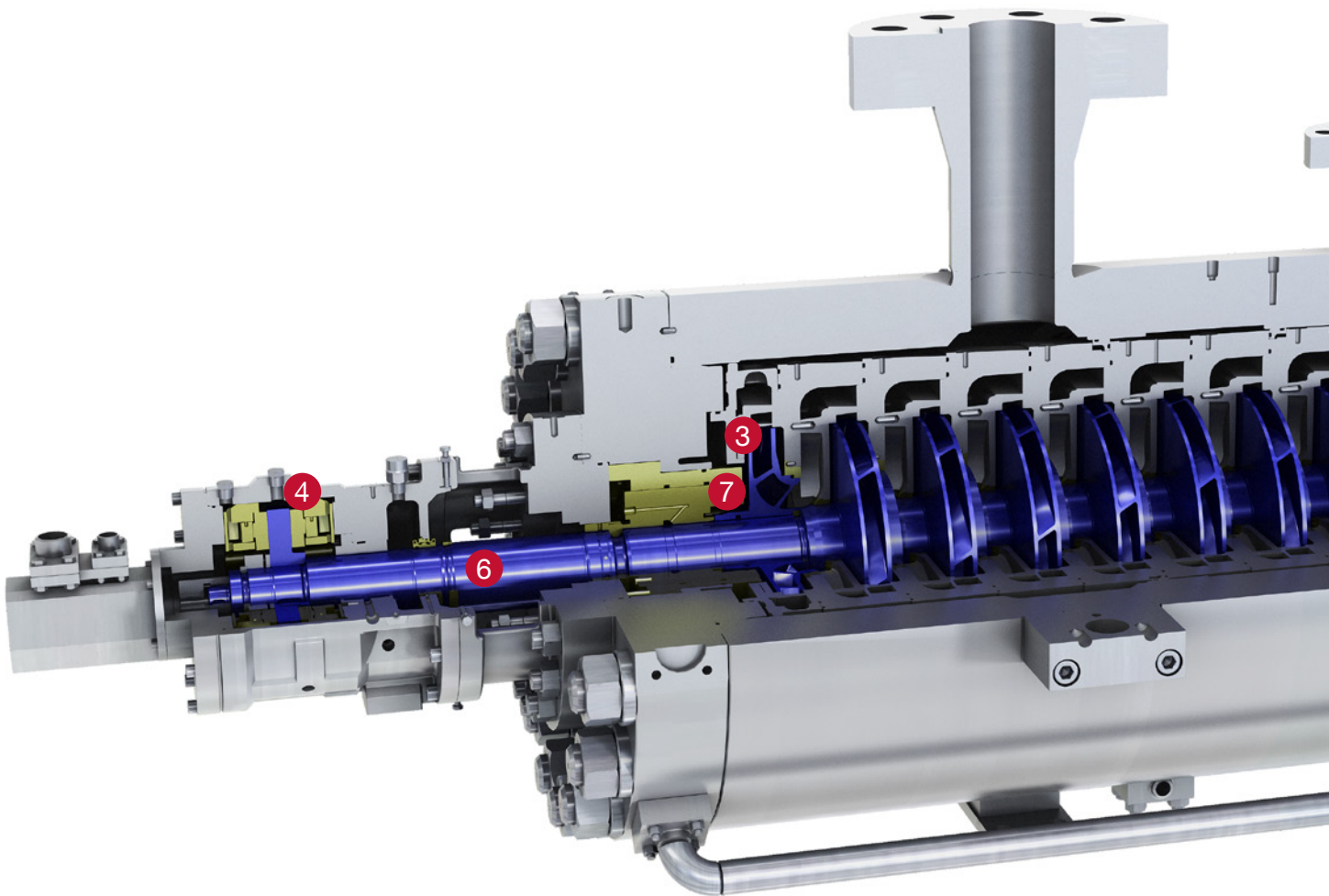


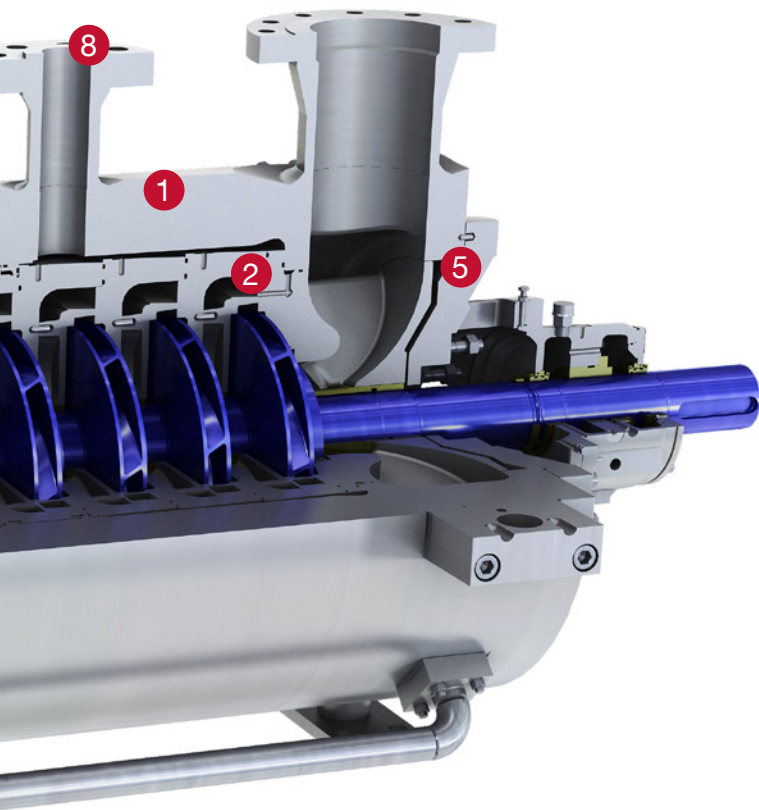
GSG Diffuser Style Barrel Pump for Feedwater Applications



Main Applications

The GSG is a BB5 type pump designed for feedwater applications in fossil and industrial power plants.





Features and Benefits

1 Barrel casing

- Lowest cost multistage barrel pump
- Centerline mounting absorbs high forces and moments
- Pre-warming not required

2 Diffuser type

- High head per stage and balanced radial loads
- Allows replacement of individual stage pieces

3 Rotor design

- Stacked rotor with staggered keyways to transmit torque

4 Multiple combinations of bearing types

- Hydrodynamic for higher energy services
- Self equalized tilting pad thrust bearing Kingsbury type to accommodate thrust variations in transient conditions

5 Suction cover sized for 50 bar suction pressure

6 Dynamically balanced rotor

- For smooth operation

7 Balance drum

- Balance drum and axial thrust bearing designed for long life under extreme operating conditions

8 Intermediate take-off

- Reduces head losses

GSG Diffuser Style Barrel Pump



Oil and gas



Hydrocarbon processing



Power generation



Pulp and paper



General industry



Chemical process industry

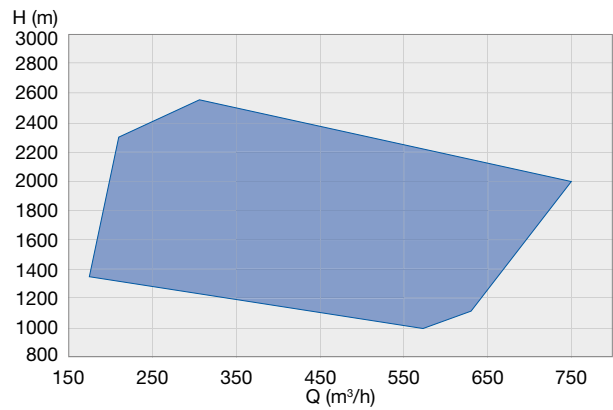


Water and wastewater

Operating data

	50 Hz
Discharge sizes	6 in / 8 in
Capacities	up to 700 m ³ /h
Heads	up to 2,500 m
Pressures	up to 282 bar
Temperatures	up to 210°C

Performance range



Materials

Pump part	Material
Pressure retaining components	Alloyed Carbon Steel
Impellers	Chrome Steel
Diffusers	Alloyed Carbon Steel, Chrome Steel
Shaft	Chrome Steel
Balancing device	Chrome Steel

We Do What We Say

Customer partnership

- We are a **reliable partner**
- We provide a **high level of service**
- We **make our customers more competitive**



Committed people

- We drive **accountability**
- We are **open and transparent**
- We are **team players**



Operational excellence

- We **focus on results**
- We take **initiative** and work within **established processes**
- We **act safely**



A Global Specialist at Your Doorstep

Sulzer serves clients worldwide through a network of over 150 production and service sites and has a strong footprint in emerging markets.



● Sulzer headquarters,
Winterthur, Switzerland



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