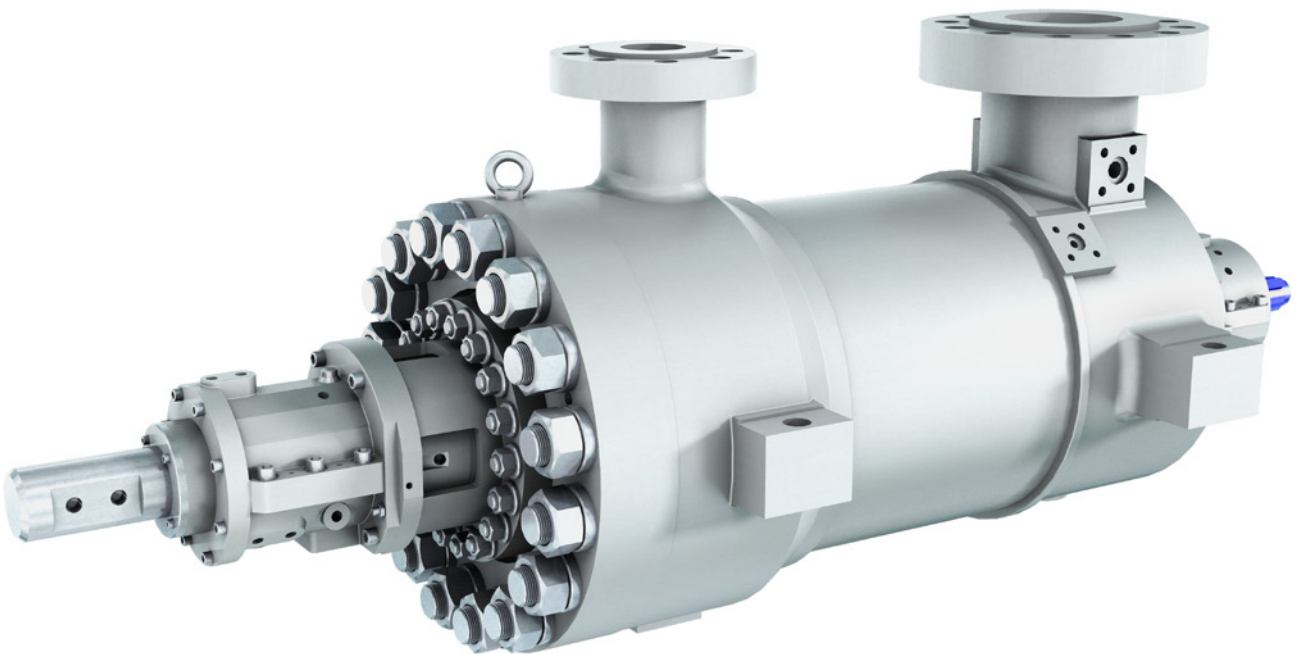


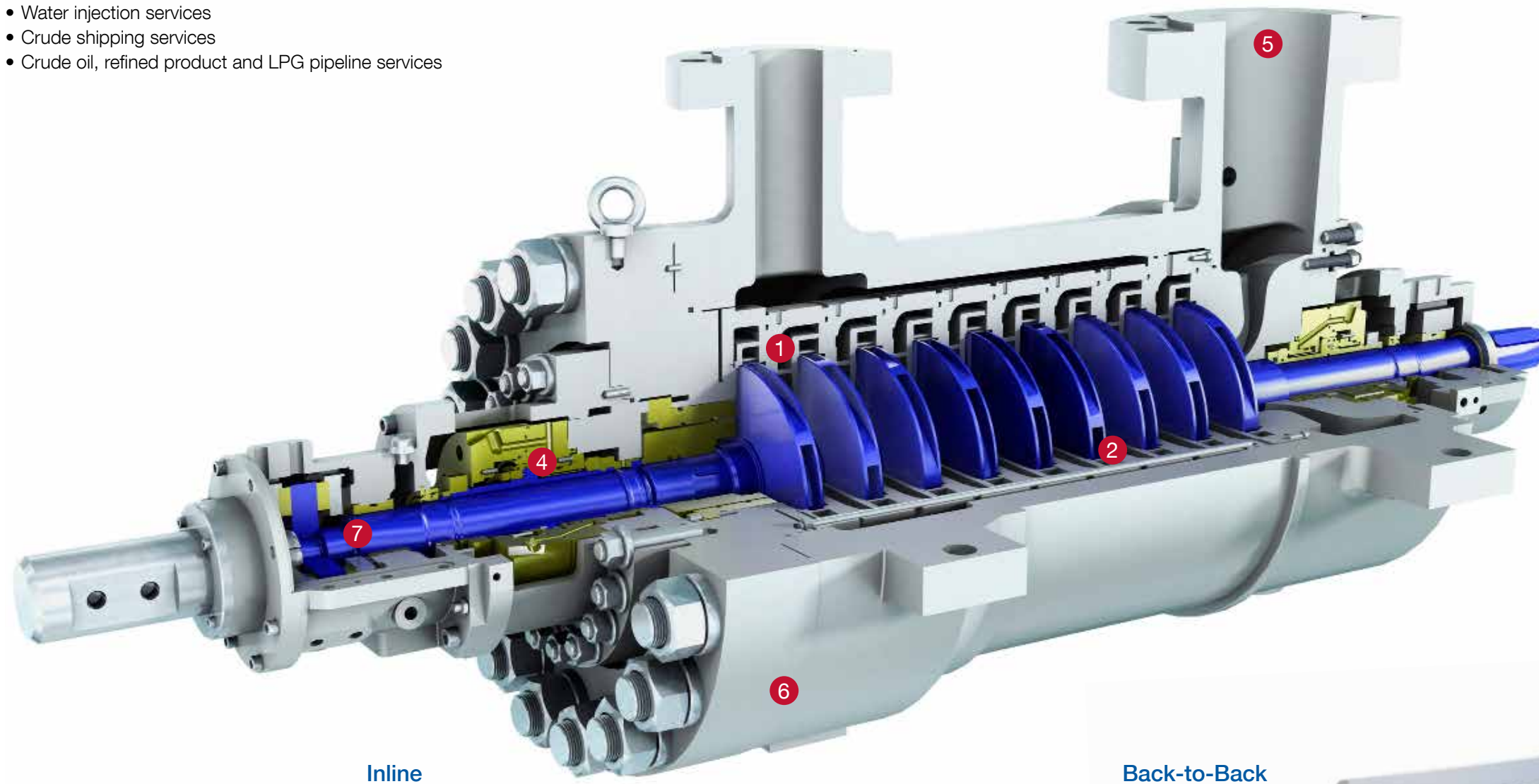
GSG Diffuser Style Barrel Pump



Main Applications

The GSG is a BB5 type pump built to the latest edition of ISO 13709 (API 610). Thousands of Sulzer GSG pumps are installed around the world in:

- Power plants
- Refineries
- Petrochemical plants
- Gas processing plants
- Water injection services
- Crude shipping services
- Crude oil, refined product and LPG pipeline services



Features and Benefits

- 1 High head per stage balanced radial loads**
 - Allows replacement of individual stage pieces vs. entire inner volute
- 2 Inline rotor**
 - Lowest cost multistage barrel pump
- 3 Back-to-back rotor**
 - Center and throttle bushings stabilize the rotor for higher stage counts even with low density fluids
- 4 Multiple bearing types**
 - Anti-friction bearings for low cost, hydrodynamic for higher energy services
- 5 Suction region of pump rated for discharge pressure**

(Note: API 682 mechanical seal is not normally rated for such high pressure)

 - Now standard on GSG-HPI
- 6 Cartridge design on all but smallest sizes**
 - Allows bundle to be removed without major disassembly which saves time
- 7 Dynamically balanced rotor**
 - For smooth operation

Back-to-Back



GSG Diffuser Style Barrel Pump



Oil and gas



Hydrocarbon processing



Power generation



Pulp and paper



General industry



Chemical processing

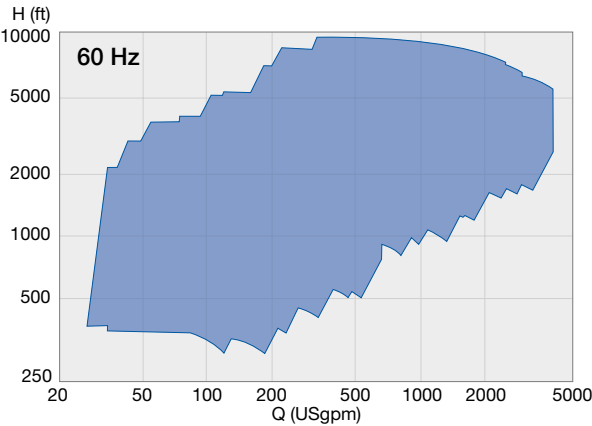
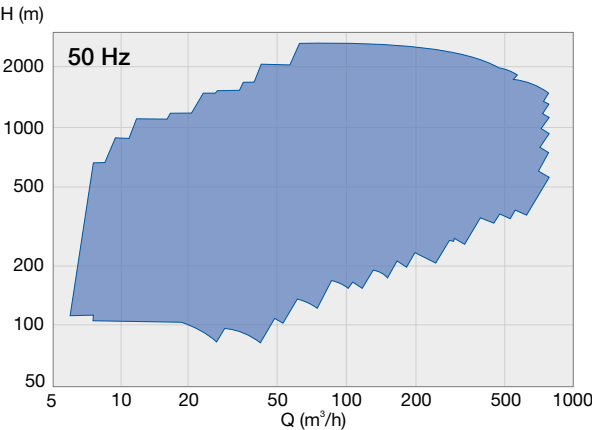


Water and wastewater

Operating data

50 Hz		60 Hz
40 to 200 mm	Pump sizes	1.5 to 8 in
up to 900 m ³ /h	Capacities	up to 4,600 USgpm
up to 2,600 m	Heads	up to 10,000 ft
up to 300 bar	Pressures	up to 4,500 psi
-50 to 425°C	Temperatures	-45 to 800°F

Performance ranges



Materials

Material codes

API 610 S-6, S-8, C-6, A-8, D-1, D-2

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



www.sulzer.com

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