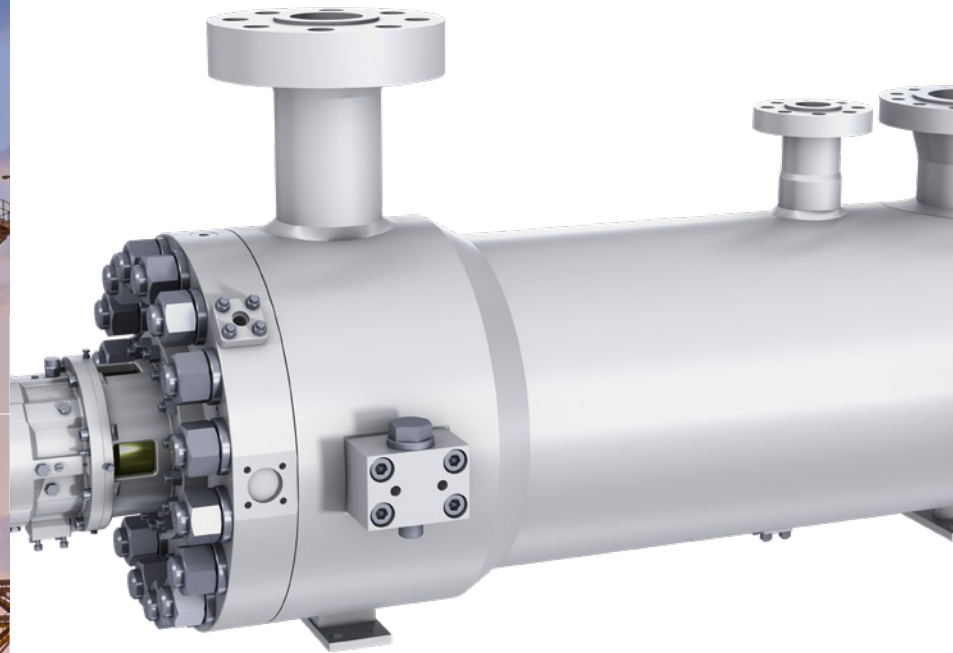


# SULZER

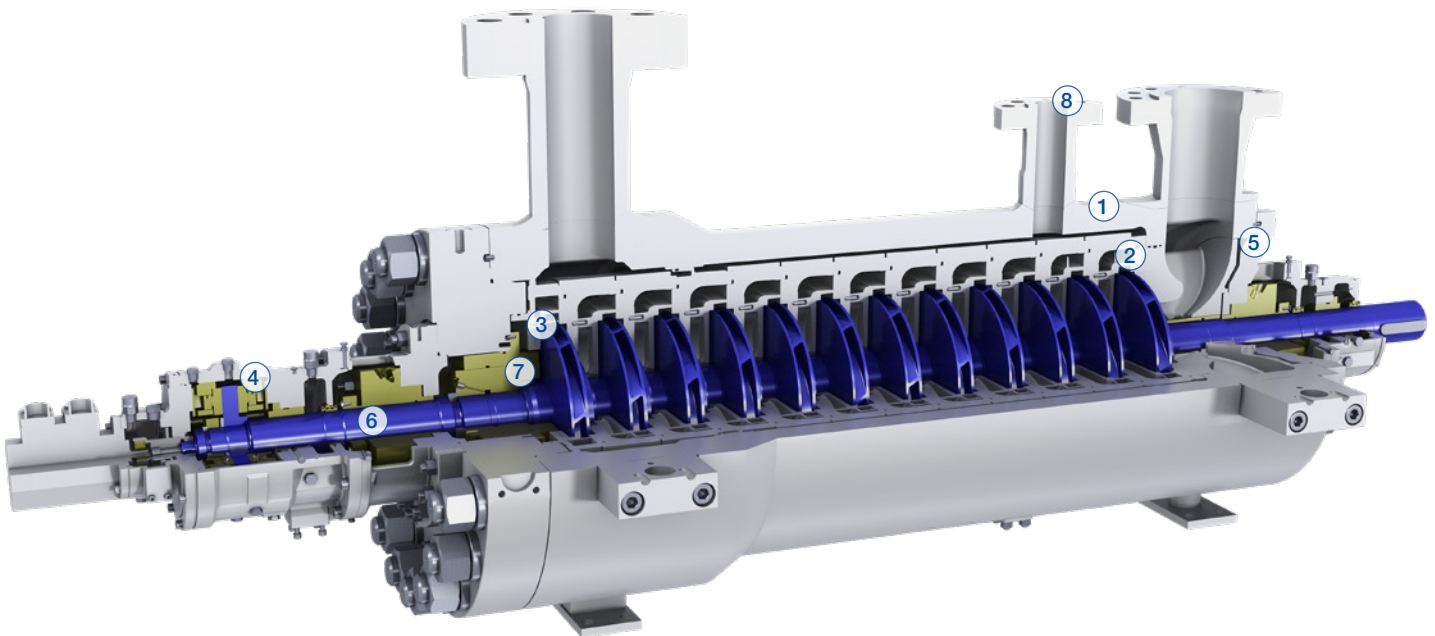
Flow Equipment

## GSG-BFP diffuser style barrel pump for feedwater applications



# Main industries and applications

The GSG-BFP 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

- Each impeller is securely retained in both directions by a split ring with a key to transmit the torque

### 4 Multiple combinations of bearing types

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

### 5 Suction cover sized for 65 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

# Specifications

## Materials

### Pump part

Pressure retaining components

Impellers

Diffusers

Shaft

Balancing device

### Material

Alloyed carbon steel

Chrome steel

Chrome steel

Chrome steel

Chrome steel

## Operating data

### Capacities

#### 50 Hz

Up to 1'000 m<sup>3</sup>/h

#### 60 Hz

Up to 5'300 USgpm

### Heads

Up to 2'800 m

Up to 10'500 ft.

### Discharge sizes

Up to 250 mm

Up to 10 in.

### Discharge pressures

Up to 350 bar

Up to 5'080 psi

### Suction pressures

Up to 65 bar

Up to 940 psi

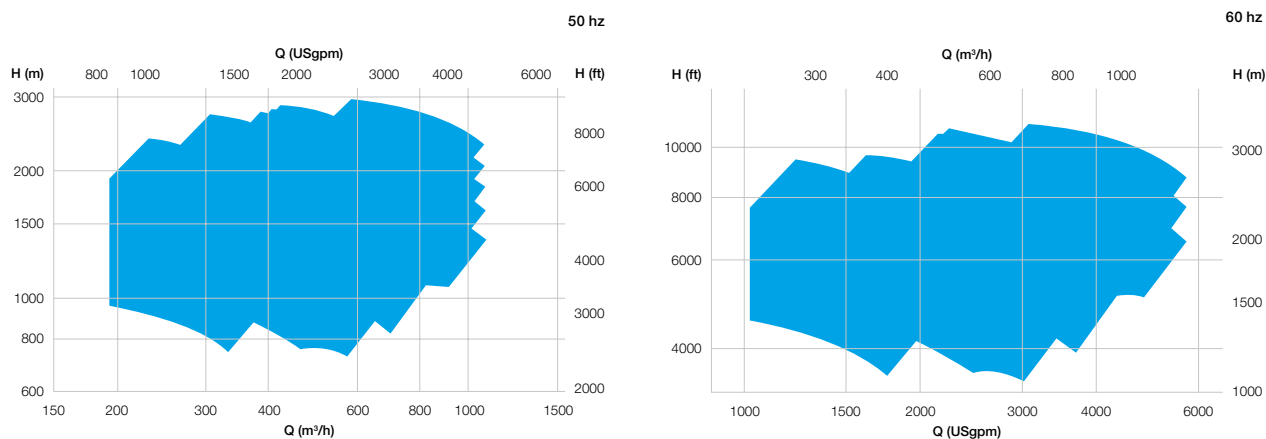
### Temperatures

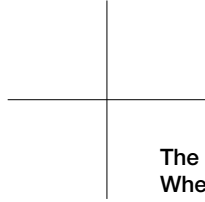
(higher temperatures upon request)

Up to 210°C

Up to 410°F

## Performance range





**The Sulzer Flow Equipment division keeps your processes flowing. Wherever fluids are treated, pumped, or mixed, we deliver highly innovative and reliable solutions for the most demanding applications.**

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The Flow Equipment division specializes in pumping solutions specifically engineered for the processes of our customers. We provide pumps, agitators, compressors, grinders, screens and filters developed through intensive research and development in fluid dynamics and advanced materials. We are a market leader in pumping solutions for water, oil and gas, power, chemicals and most industrial segments.

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