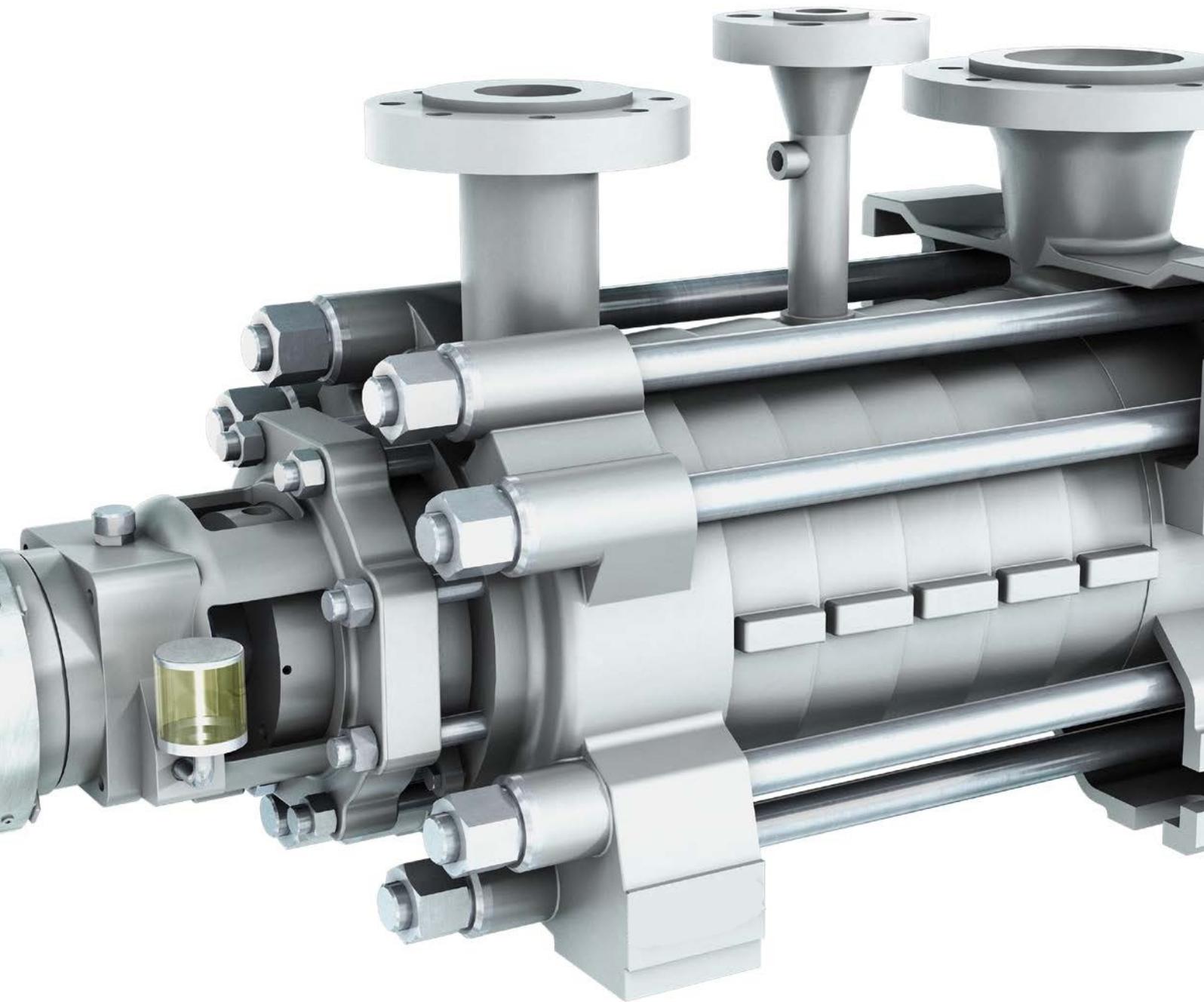


MC high pressure
stage casing pump



Features and benefits

1 Casing support

- Foot or shaft centerline mounted for large sizes and high temperatures

2 Branches

- Large suction branches optimize inlet flow
- Reduce noise levels through low branch velocities
- Allow higher forces and moments

3 Impellers

- Modular hydraulics for high efficiency in a wide range of operating conditions
- Low net positive suction head required (NPSHR) first stage; double suction first stage can be provided for selected sizes

4 Shaft

- Stiff design resulting in higher critical speed than running speed and small shaft deflection
- Areas subject to wear are protected

5 Intermediate take-off

- Up to two bleed-off nozzle are possible

6 Hydraulic thrust balancing system

- Axial thrust can be balanced by balance drum with thrust bearing or by balance disc without thrust bearing

7 O-rings

- Casing sealing by confined O-rings, therefore unaffected by rapid temperature variations and high pressures

8 Multiple bearing types

- Antifriction bearings for low cost and hydrodynamic bearings for higher energy services

