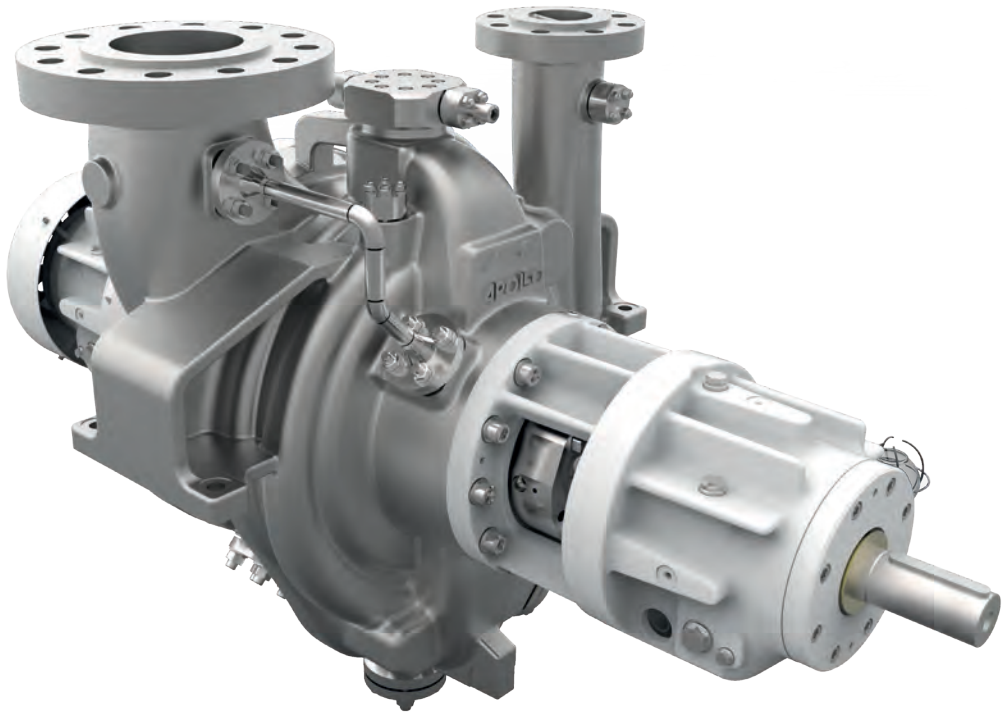
HEAVY-DUTY, RADIALLY SPLIT, TWO-STAGE PROCESS PUMP, BETWEEN BEARING VERSION

KGR

API 610 / TYPE BB2



Due to heavy-duty between bearings design, lowest NPSH values and highest energy efficiency the pumps of this range are suitable for a variety of applications:

- Refineries
- Offshore engineering
- Oil and Gas industry
- Power Plants

Design

- Radially split, centerline-supported volute casing pump of double-volute design
- 1st impeller of single-flow design
- Between bearing pump type, BB2 according to API 610
- axial thrust compensation by means of back-to-back arrangement of impellers
- bearing design: antifriction bearings, mixed – or sliding bearings
- Seal chamber according to API 610 / ISO 13709 / API 682

Operating data

Nozzle size (mm)	from 40 to 250
Capacity	up to 1600 m^3/h
Head	up to 600 m
Design pressure	up to 80 bar
Speed	up to 3600 rpm
Temperature limits	up to 400 °C

APOLLO
Pumps | Pumping Systems

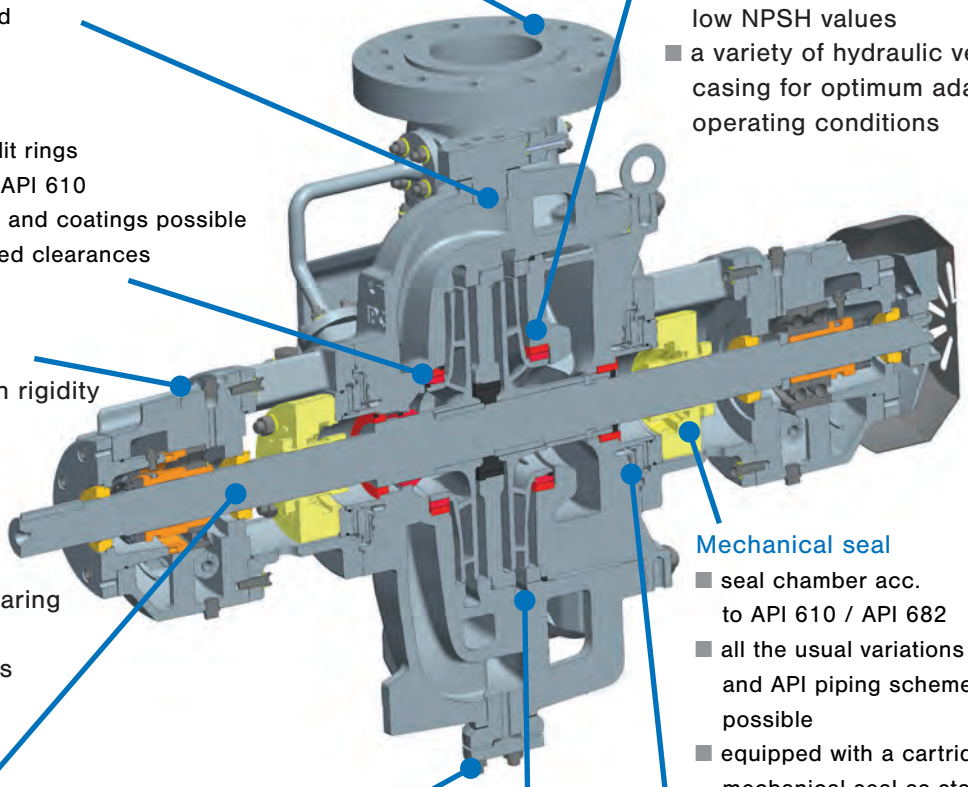
KGR Version

Volute casing
- discharge casing designed as volute
- double volute as standard
- 2x API nozzle loads

Flanges
- ASME or DIN EN / Version Class 600

Hydraulics
- Single suction impeller
- optimized suction chambers for low NPSH values
- a variety of hydraulic versions per casing for optimum adaptation to operating conditions

Wear and split rings
- replaceable wear and split rings
- clearances according to API 610
- different material options and coatings possible
- PEEK version with reduced clearances



Solid Bearing Housing
- 360° mounting for high rigidity
- antifriction bearings: standard / optional sliding bearings
- sump or fan cooling is possible
- high-grade metallic bearing isolators
- connections for various instruments available

Mechanical seal
- seal chamber acc. to API 610 / API 682
- all the usual variations of sealings and API piping schemes are possible
- equipped with a cartridge mechanical seal as standard
- stuffing box versions are possible

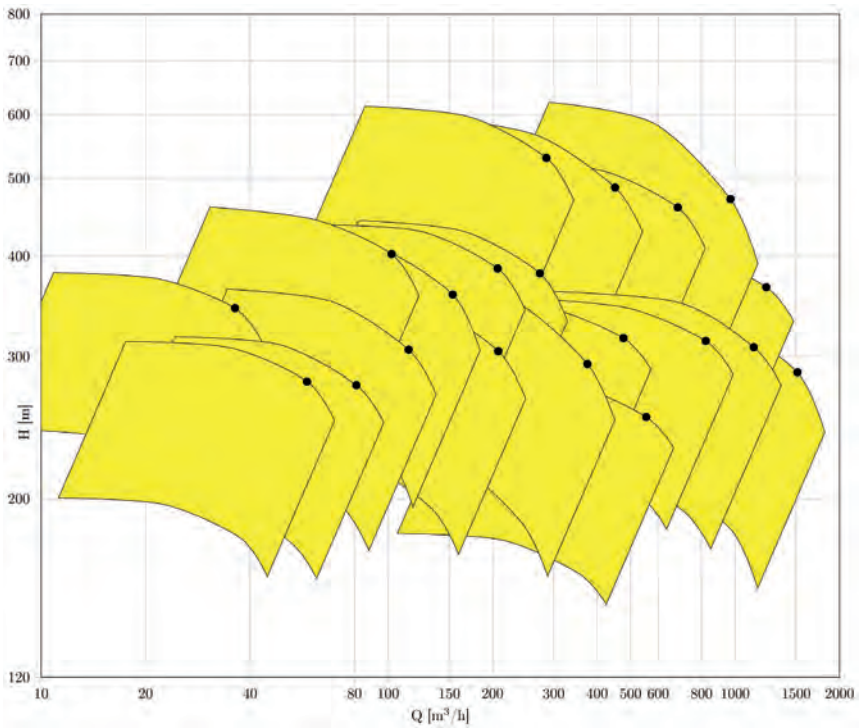
Stable rotor design
- optimized rotor-dynamic characteristics
- controlled shaft bending
- good vibration characteristics

Venting, Drainage
- via integral flanges
- welding on casing not necessary

Casing seal
- process-safe seal also under critical conditions

Jacket cooling
- efficient jacket cooling is available as an option

Performance range



APOLLO
Pumps | Pumping Systems

Apollo Gößnitz GmbH
Walter-Rabold-Str. 26
04639 Gößnitz/Germany

Phone: +49 (0)3 44 93/ 77-0
Fax: +49 (0)3 44 93/ 77-210
E-mail: info@apollo-goessnitz.de
www.apollo-goessnitz.de