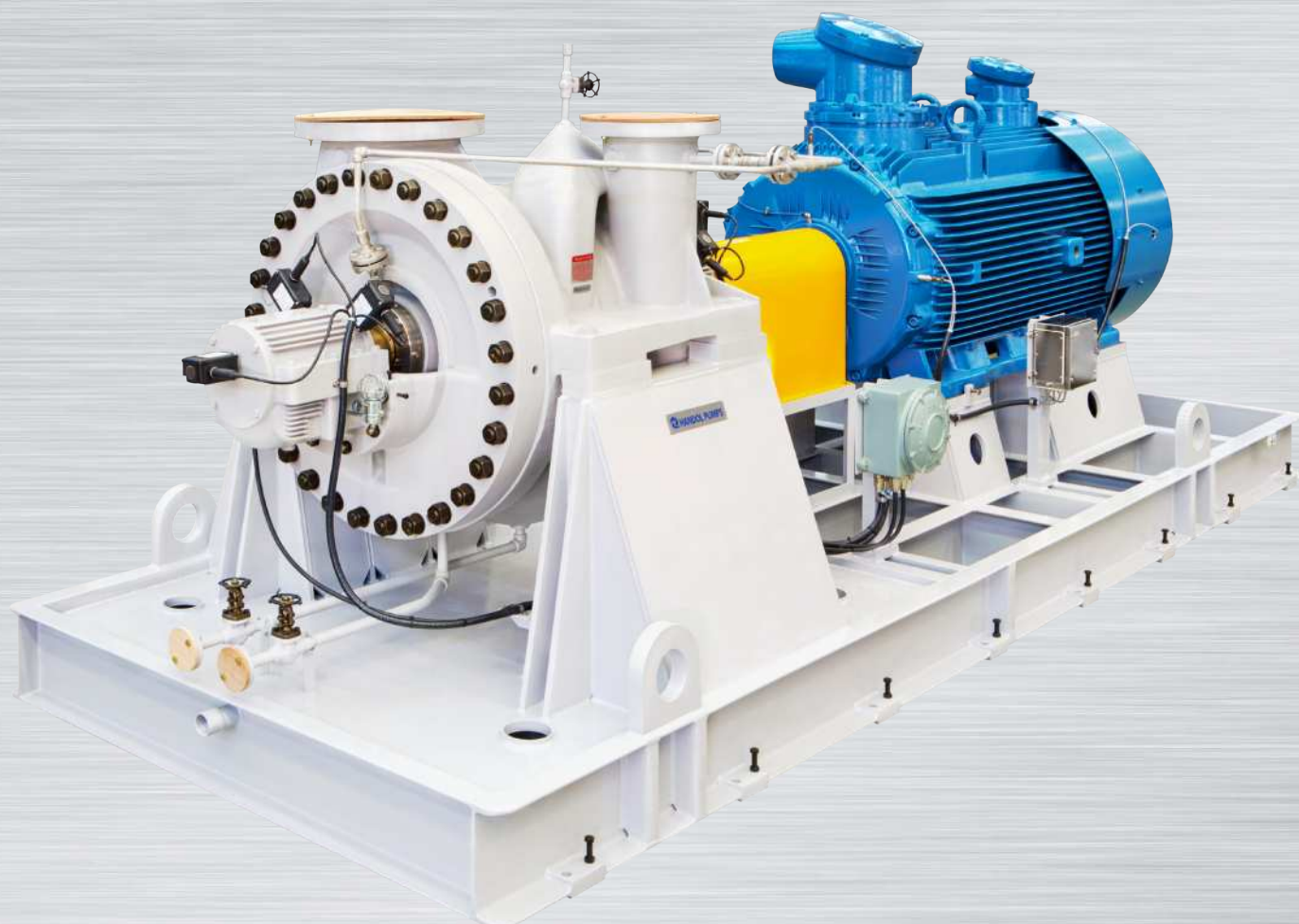


# RT

API 610 / ISO 13709 Type BB2

Radially Split Two-stage Pump



## FEATURES AND BENEFITS

### 1 Casing

- Radially split for high pressure and high temperature services.
- Centerline-mounted and heavy duty design, which keeps pump alignment under extreme service conditions.
- Casing cover on outboard end allows removal of rotor without disturbing suction and discharge piping.
- Class 300 RF flange is standard, other classes and facings are available.

### 2 Impellers

- Cast impellers are finished overall for the maximum hydraulic efficiency and perfectly balanced dynamically.
- Double suction first-stage impeller is available for lower NPSHR (Model RT-D).

### 3 Shaft

- Designed to meet deflection and rotor dynamics requirements of API 610/ ISO 13709.
- Bearing and seal life is extended due to low shaft deflection.

### 4 Seal chambers

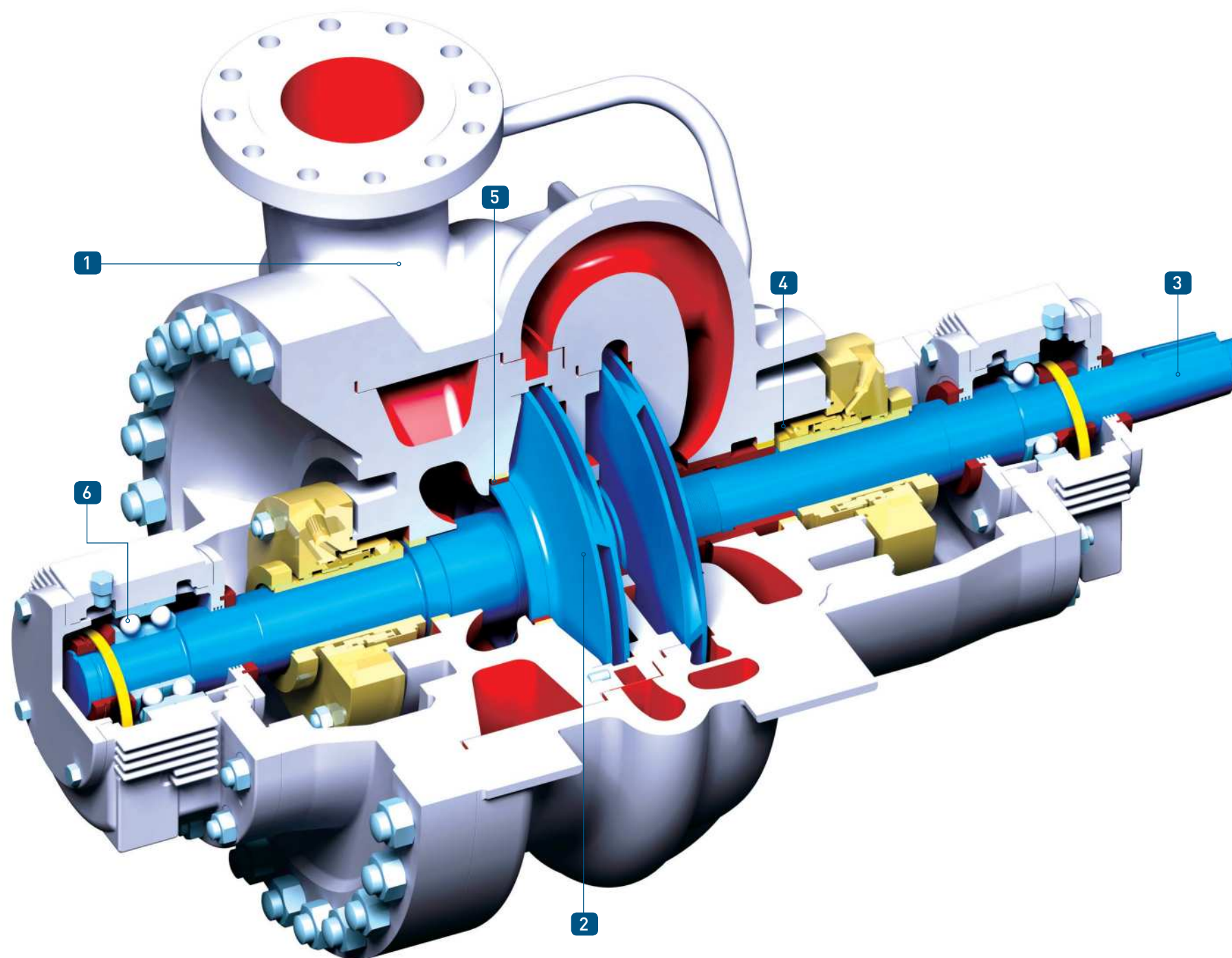
- Balance line causes both seal chambers to be near suction pressure for longer seal life.
- API 610 seal chambers accept various range of sealing options in accordance with API 682.

### 5 Casing and Impeller wear rings

- Renewable wear rings are positively secured.
- Non-metallic wear rings are available.

### 6 Bearings

- Ring oil lubricated radial ball and ball thrust bearings are standard.
- Oil lubricated with constant level oilers.
- Optionally, either ball bearing type or tilting pad type is installed as the thrust bearing in addition to the sleeve type Babbitt lined radial bearing.
- Pressure (Forced) lubrication is available.
- As for cooling, either air, water, or product option is available.

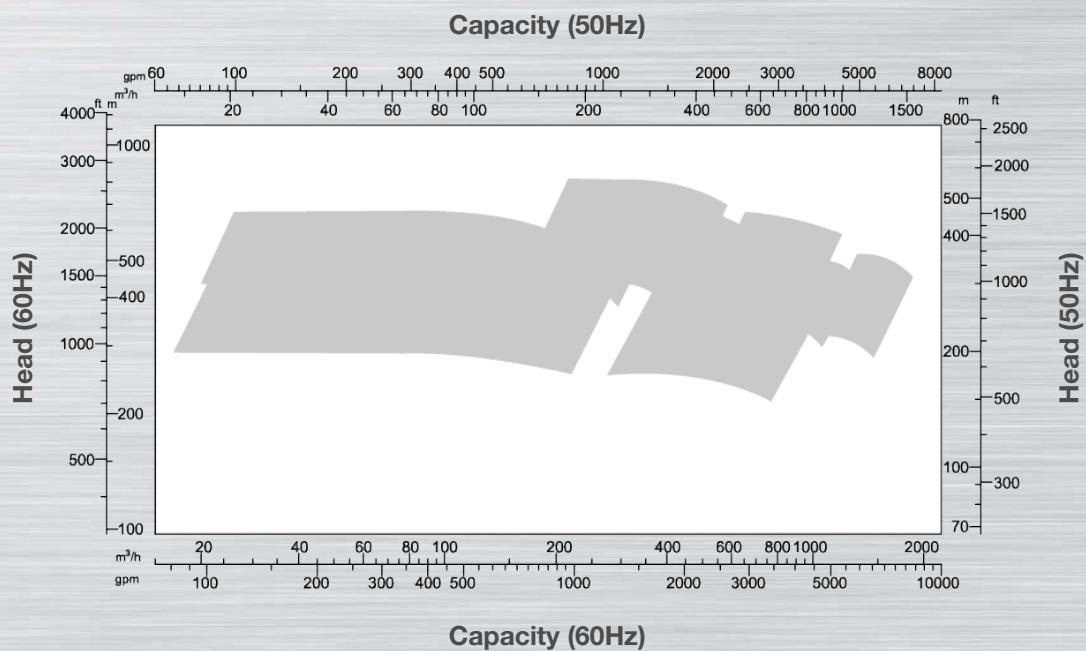


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## PERFORMANCE RANGES



## OPERATING PARAMETERS

- Capacity ⇒ Up to 1700 m³/h
- Head ⇒ Up to 800 m
- Pressure ⇒ Up to 75 bar
- Temperature ⇒ Up to 450 °C

## APPLICATIONS

- Petroleum refining, production and distribution
- Petrochemical and heavy duty chemical processing
- Liquefied gas industry services
- Boiler feed
- Heavy-duty utility services

## MATERIALS

API Material class	S-6	C-6	A-8	D-1	D-2
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Note : Other materials available on request