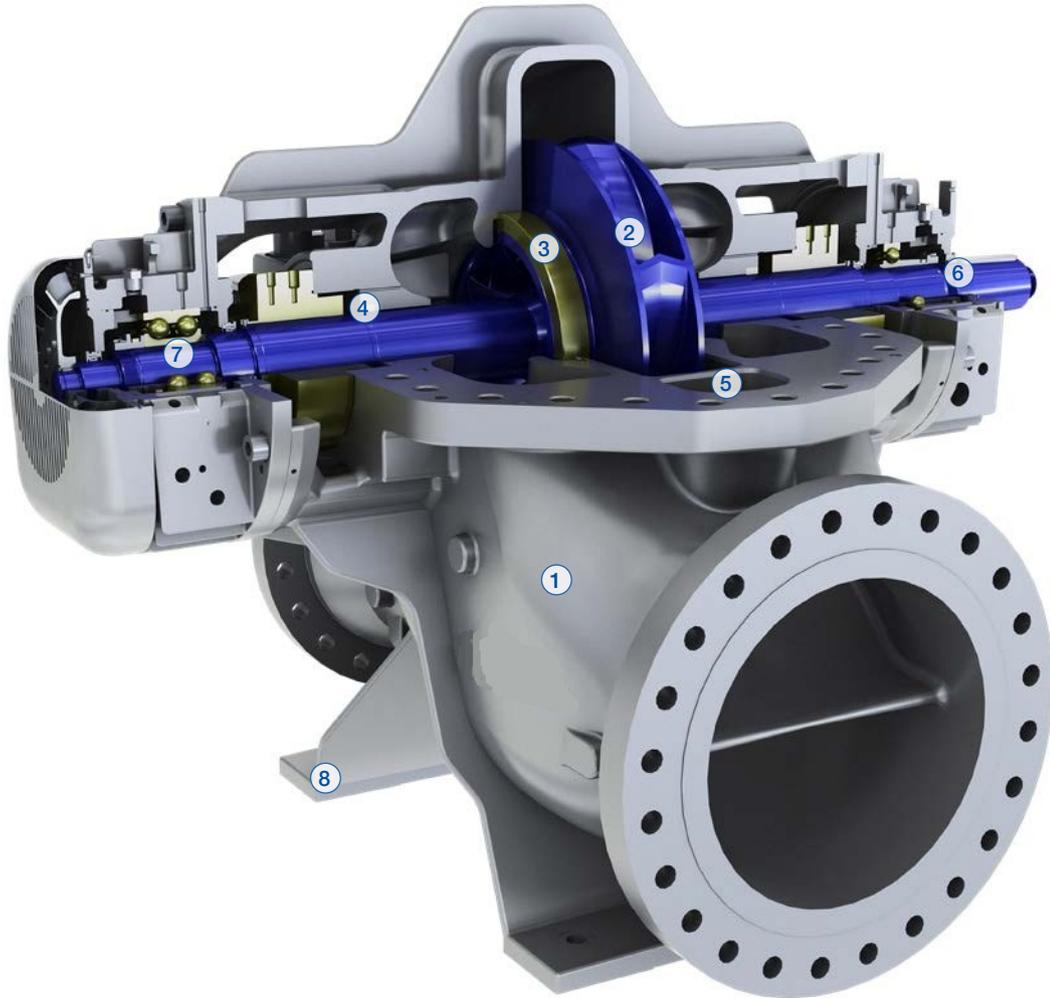


HSA API 610 type BB1 axially split single stage double suction pump

Features and benefits



1 Flange

- 150# and 300# flange options
- Two times API 610 table 5 nozzle load capability

2 Double suction impeller

- Balanced axial thrust
- Optimum geometry provides high efficiency, low NPSH, and quiet running over a wide operating range
- Balanced to ISO 1940-1 G2.5

3 Wear rings

- Replaceable case rings as standard
- Replaceable impeller rings or integral wear surface depending on material
- Simple, low cost efficiency renewal

4 API 610 Table 7 seal chambers

- API 682 single or dual cartridge type mechanical seals
- API 682 seal support systems

5 Double volute casing on larger sizes

- Minimizes shaft deflection
- Longer mechanical seal life

6 Large shaft diameter with minimum bearing span

- More power capacity
- Improved mechanical seal life

7 High capacity bearing assembly

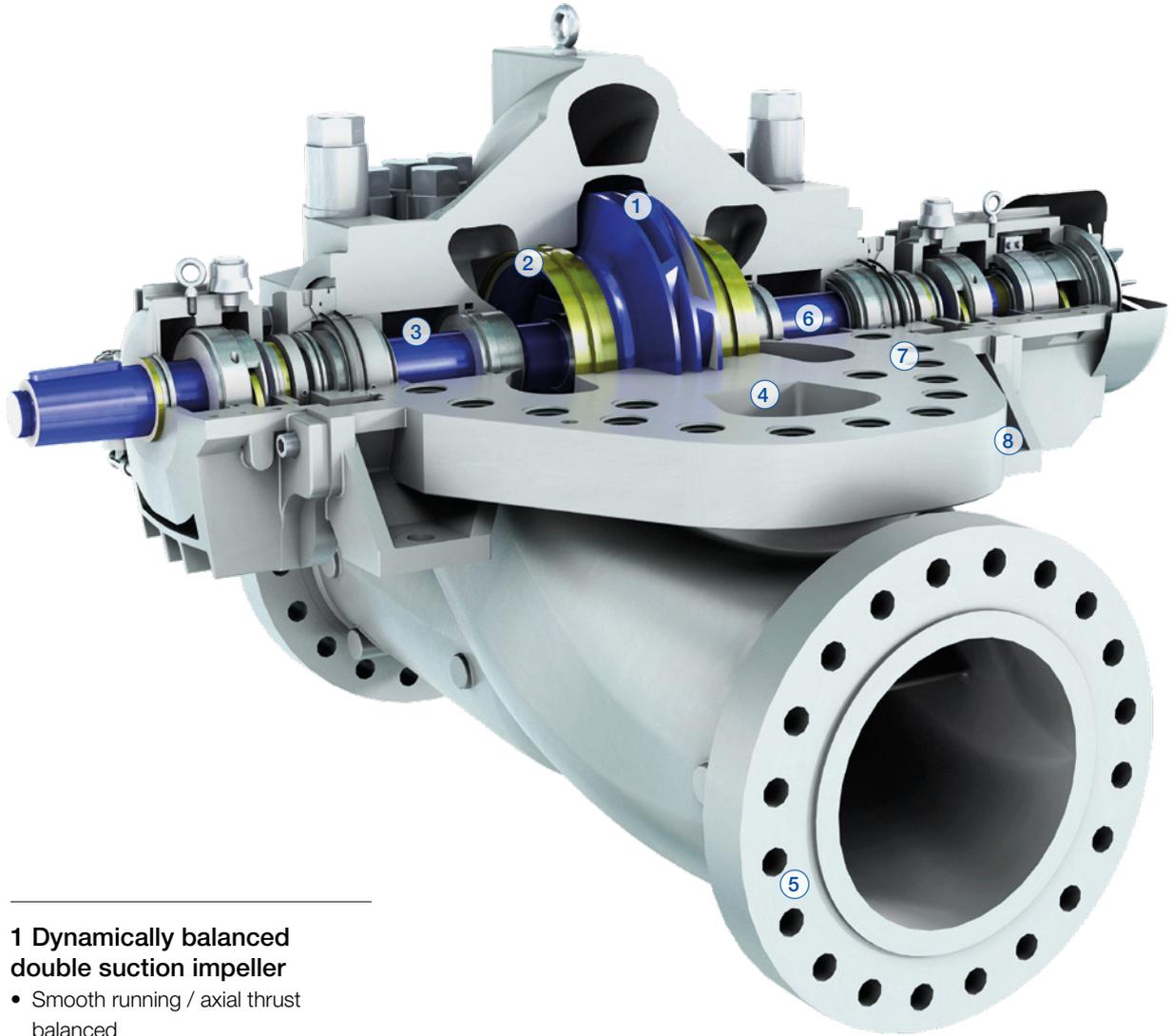
- Ball-ball, sleeve-ball and sleeve-pivot shoe bearings available
- Fan or water cooled options

8 Heavy duty baseplates

- Grouted or ungrouted design
- Vertical arrangement (HSAv) for limited deck space applications

HSB horizontal axially split single stage double suction pump

Features and benefits



1 Dynamically balanced double suction impeller

- Smooth running / axial thrust balanced
- Low NPSH

2 Replaceable case and impeller rings

- Simple, low cost efficiency renewal

3 Integral seal chamber

- Operating at suction pressure; designed for mechanical seals of all configurations
- Minimizes emissions and leakage

4 Double volute casing

- Minimizes shaft deflection
- Longer mechanical seal life

5 Horizontal suction and discharge nozzles

- Cast integral with bottom half of the casing
- Two times API 610 nozzle load capacity

6 Large shaft diameter with minimum bearing span

- More power capacity
- Improved mechanical seal life

7 Axial split casing

- Ease of disassembly for inspection and maintenance

8 Near centerline or nozzle mounting

- Near centerline mounted for alignment on warmer services
- Nozzle mounted for ambient services with heavy nozzle loads