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Pumps • Valves • Service



## RPHbd – Double-suction, Two-stage Heavy-duty BB2 Process Pump

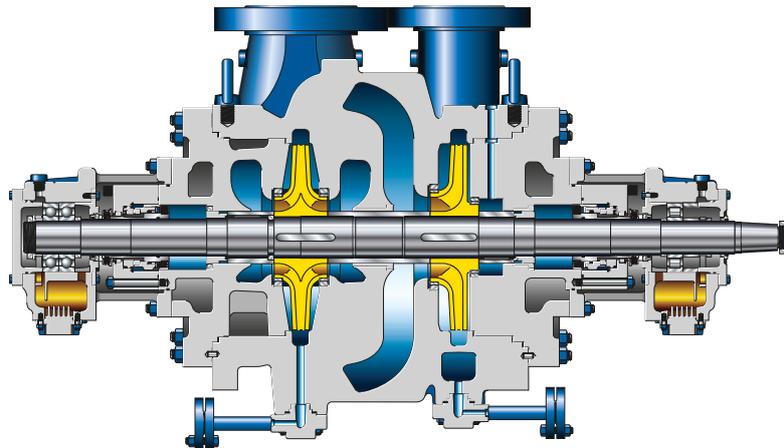


### Applications:

- Refineries
- Petrochemical and chemical industries
- Onshore and offshore processes

More information: [www.ksb.com](http://www.ksb.com)

# RPHbd – Double-suction, Two-stage Heavy-duty BB2 Process Pump to API 610 / ISO 13709



- Robust design for longer service life**
  - Process pump in heavy-duty design to API 610
  - Optimised pressure boundary and hydraulic system with reinforced optimised shaft
  
- Wide range of variants for a broad application range and optimum adaptation to the system**
  - Numerous flange designs
  - Large choice of materials
  - Coolable/heatable seal housing
  - Various bearing lubrication variants
  
- Long service life and high reliability of the bearings**
  - Heavy-duty paired 40° angular contact ball bearings
  - Balancing line and double volute
  - Standard version with oil ring lubrication and labyrinth seals
  - Version with hydrodynamic bearings for higher energy density
  
- Lower operating costs and higher system availability**
  - Comprehensive hydraulic selection chart for optimum selection
  - Better efficiencies and NPSH values than OH2 pumps
  - Very low NPSH values due to double-suction impeller
  - No need for a separate cooling circuit; integrated cooling fins and optional fan impeller ensure optimum cooling of the bearing brackets.
  
- Ease of service**
  - Easy to monitor and service due to top-top flange arrangement
  - Straightforward servicing due to mechanical seals to API 682 (cartridge design)
  - Replaceable casing and impeller wear rings
  - Modular design system reduces spare parts stock.

Materials	Technical data	50 Hz	60 Hz
S5, S6, S8, C6, A8, D1, D2 and special materials	Max. flow rate	1900 m <sup>3</sup> /h / 8365 US gpm	1700 m <sup>3</sup> /h / 7485 US gpm
	Max. head	550 m / 1804 ft	540 m / 1772 ft
	Max. temperature	-80 °C to +450 °C / -112 °F to 842 °F	
	Max. pressure	Up to 100 bar / 1450 psi	
	Nominal diameter	80-250 mm / 3-10 in	

Other values on request



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