

PRD

API 610 - BB2

BETWEEN BEARINGS PUMP

**HEAVY DUTY CONSTRUCTION
FOR CLEAR, TOXIC, CORROSIVE, FLAMMABLE, HOT LIQUIDS.**

Design:

- / Radial casing split
- / The double-suction impeller with removable wear rings reduces axial thrust problems while maintaining low NPSHr.
- / Heavy duty double bearing frame to ensure optimal rigidity of the pump + fins on bearing housing for efficient cooling.
- / Accessible Seal chamber per API682 and ISO21049.
- / Optional cooling or heating jacket of the seal chamber.
- / Shaft seal by cartridge mechanical seal + API flushing plans.
- / Shaft offering strong resistance to deflection.
- / Standard bearing protection by labyrinth type seal and deflector.
- / Centerline mounted pump casing and base plate complying with ISO13709 / API610 standards.
- / High radial load roller bearing.
- / Back-to-Back angular contact bearings handle high axial loads.
- / Casing and impeller wear rings are shrunk fitted.
- / Fan-cooled bearing frame in option.
- / Constant level oiler.
- / Discharge size from 150 mm to 400 mm.
- / Flanges per ANSI B16.5 - Other flange standards upon request.



Performances:

- / Capacity : up to 2800 m³/h (12,330 US gpm)
- / Total head : up to 320 m (1,050 ft)
- / Maximum operating pressure : 80 bar (1,160 PSI)
- / Temperature operating range :
/ from -90 to 425 °C (-130 to 800 °F)
- / Maximum speed : 3,600 rpm at 60 Hz
- / Higher capacities and heads upon request

Standard materials:

- / Materials as API standards: S5, S6, C6, A8, D1, D2.
- / Other materials available upon request

Industrial applications:

- / Petrochemical industry
- / Oil refineries
- / Offshore
- / Power generation
- / General industry

