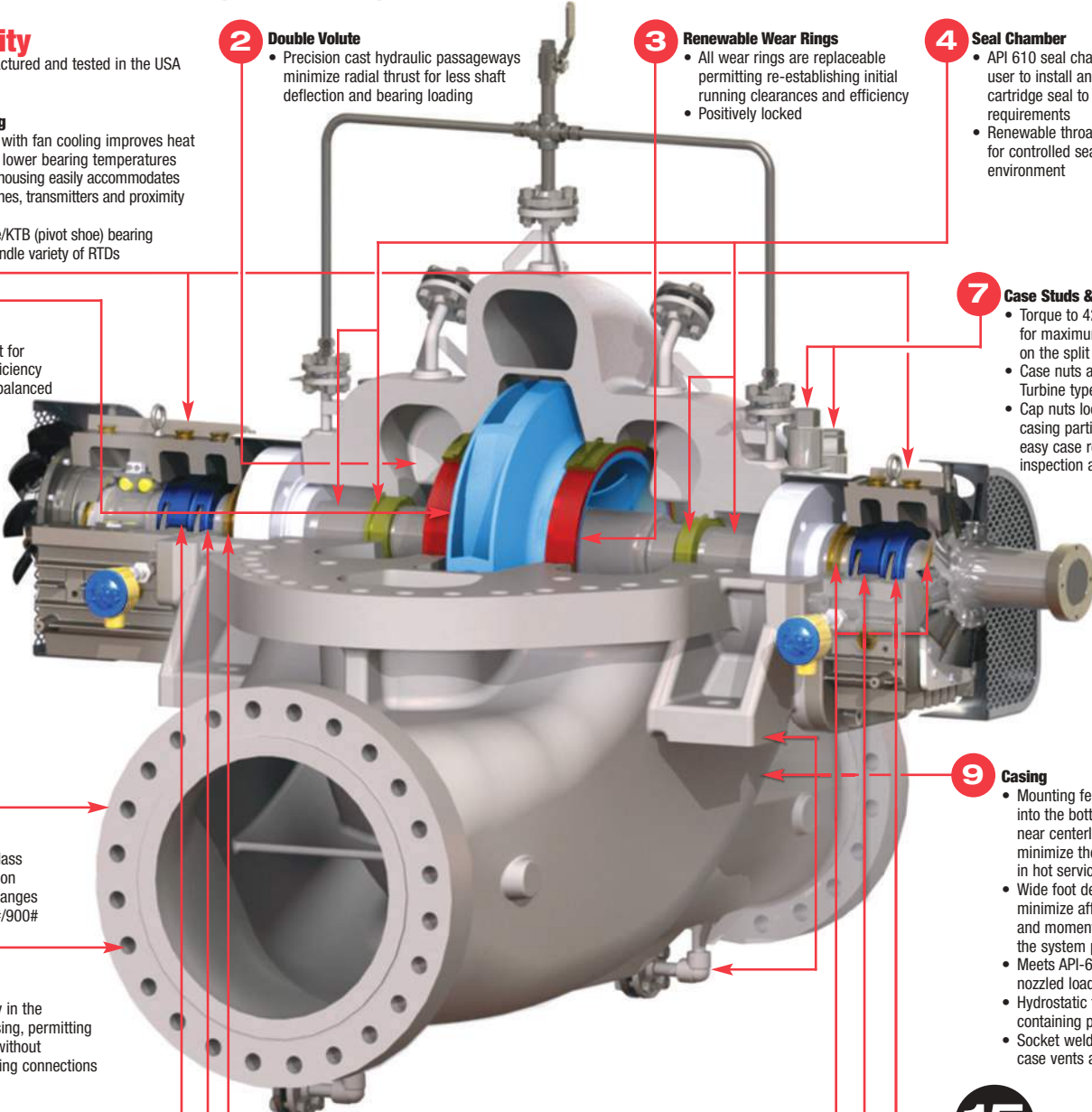


**Check out our
Model PWD API 610 BB1 Horizontal Split
Single Stage Pump by the numbers!**



1 Quality

- Manufactured and tested in the USA

2 Double Volute

- Precision cast hydraulic passageways minimize radial thrust for less shaft deflection and bearing loading

3 Renewable Wear Rings

- All wear rings are replaceable permitting re-establishing initial running clearances and efficiency
- Positively locked

4 Seal Chamber

- API 610 seal chamber allows user to install any API 682 cartridge seal to meet process requirements
- Renewable throat bushing for controlled seal chamber environment

5 Bearing Housing

- Finned design with fan cooling improves heat dissipation for lower bearing temperatures
- Large bearing housing easily accommodates vibration switches, transmitters and proximity probes
- Optional sleeve/KTB (pivot shoe) bearing designed to handle variety of RTDs

6 Impeller

- Precision cast for maximum efficiency
- Dynamically balanced for smooth operation to 4W/N before mounting
- Keyed to the shaft
- Double suction large eye impeller for lower NPSH performance

7 Case Studs & Bolts

- Torque to 42,000 psi stress for maximum clamping force on the split line
- Case nuts are high strength Turbine type cap nuts
- Cap nuts located on top half casing parting flange allowing easy case removal for rotor inspection and maintenance

8 Flanges

- ANSI B16.5 Class 600# RF suction & discharge flanges
- Optional 300#/900#

9 Casing

- Mounting feet cast integral into the bottom half providing near centerline mounting to minimize thermal growth in hot service
- Wide foot design to minimize affects of forces and moments imposed by the system piping
- Meets API-610 2x nozzleed loads
- Hydrostatic test of pressure containing parts to 1.5 MAWP
- Socket welded and flange case vents and drains

10 Nozzles

- Cast integrally in the lower half casing, permitting disassembly without disturbing piping connections

11 Bearing Design

- Ball / Ball
- Standard Sleeve / Ball
- Optional Sleeve / Kingsbury

12 Labyrinth Oil Seal

- INPRO™ bearing isolators to provide optimum bearing housing environment

13 Bearing Lubrication

- Ring oil lubrication to ensure effective lubrication
- Optional pure or purge mist lubrication
- Optional force feed pressure lubrication

14 Delivery

- 28 weeks for API 610 material class S-4, S-6, S-8, C-6 and A-8
- Refer to the factory on deliveries for other API material classes and customer specific material combinations

15 ePod Pump Selector

- Access for end users and specifiers to select and configure your pump application on line at www.pumpworks610.com

**Do the math - it equals superior performance,
highest quality and the fastest delivery!**

DO THE MATH!

Test Facilities Horizontal and Vertical Pumps

A critical function of any pump manufacturer is the performance testing of their product across the pump's operating region to ensure that it meets design specifications. Located in Tyler, Texas and in Shreveport, Louisiana, the Best PumpWorks Test Facilities are designed to provide performance and NPSHR tests in accordance with the latest edition of API 610.

Test Facilities Capabilities:

- Test flows up to 21,500 gpm
- Discharge test pressures up to 6,000 psi
- Variable frequency drive for precise speed control through 600 HP @ 460 volt
- Solid state soft start for low impact motor starting over 600 HP through 4000 HP @ 4160 volt

See our PumpWorks 610 Test Facilities Brochure for more information.

Comprehensive Performance Test
A critical function of any pump manufacturer is the performance testing of their product across the pump's operating region to ensure that it meets design specifications. The PumpWorks 610 Test Facility is designed to provide performance and NPSHR tests in accordance with the latest edition of API 610.

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PWM API 610 MultiStage Pump

PWM pump is designed for covering the full range of High Pressure petroleum refinery services, petrochemical plant services, gas processing, oil processing, offshore installations (platforms), hydrocarbon and crude oil pipeline and finished products pipeline services.

- Solid state soft start for low impact motor starting over 600 HP through 4000 HP @ 4160 volt

See our PWM API 610 Multistage Brochure for more information.

PWM
API 610 BBS Multistage Pump

PWH API 610 Process Pump

PWH is the PumpWorks 610 API 610 current edition overhung OH2 process pump in API 610 material classes S-6, S-8, C-6 and A-8. Other materials combinations are available. The pumps are built, assembled and performance tested in full compliance with API 610 in Tyler, Texas USA.

What differentiates PumpWorks 610 model PWH from the competition:

- Shorter lead times – 16 weeks for API 610 Material Classes S-6, S-8 and C-6
- Manufactured and tested in the United States
- Access for end users and specifiers to select, configure and price their pump application on line at www.pumpworks610.com

See our PWH API 610 Single Stage OH2 Brochure for more information.

PWH
API 610 SINGLE STAGE OH2

PWV API 610 Vertical Turbine Pump

PWV is the PumpWorks 610 API 610 current edition VS6 and VS1 vertical turbine pump in API 610 material classes S-1, S-4, S-5, S-8 and A-8. Other material combinations are available. The pumps are built, assembled and performance tested in full compliance with API 610 in Tyler, Texas USA.

What differentiates PumpWorks 610 model PWV from the competition:

- Shorter lead times – 16 weeks in API 610 Material Class S-1
- Manufactured and tested in the United States
- Access for end users and specifiers to select, configure and price their pump application on line at www.pumpworks610.com

See our PWV API 610 Vertical Turbine VS6 (Can Type) and VS1 (Sump Type) Brochure for more information.

PWV
API 610 Vertical Turbine Pump VS6 (Can Type) VS1 (Sump Type)



Visit our web site at www.pumpworks610.com and specify flow and performance needs and obtain pump selection, performance curve, drawing, data sheet, and pricing through ePOD software pump selection program.

See our PumpWorks 610 Company Profile Brochure for more information.