



Made *Right* in the USA

## The Model PWR-D API 610 BB2 Process Pump. **Clearly superior.**

### **Labyrinth Oil Seals**

- INPRO bearing isolators to provide optimum bearing housing environment

### **Bearing Lubrication**

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

### **Seal Chamber**

- API 610 seal chamber allows user to install API 682 cartridge seal to meet process requirements
- Renewable throat bushing for controlled seal chamber environment
- Optional water cooled stuffing box for high process temperature applications

### **Quality**

- Manufactured and tested in the USA

### **Flanges**

- ANSI B.16.5 Class 300# RF suction & discharge
- Optional 600# RF

### **Bearing Housing**

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

### **Shaft**

- Tapered design to allow ease of field maintenance and reduce downtime

### **Casing**

- Integral piping flange face connections that eliminates any case welds
- Radial Split, Centerline mounted case - meets API 610 nozzle load requirements

### **Suction Piece**

- Optional hard surfacing for severe duty applications

### **ePOD Pump Selector**

- Access to end users and specifiers to select your pump online at [www.pumpworks610.com](http://www.pumpworks610.com) - no password or login required

### **Renewable Casing & Impeller Wear Rings**

- Optional integral hard surfaced impeller ring turns for severe duty applications

### **Impeller**

- Staggered vane design to minimize vane pass
- Double suction impeller designed for low NPSH services
- Dynamically balanced to 4W/N before mounting
- Shrunk fit to shaft and retained by thrust rings

### **Double Volute**

- Precision cast hydraulic passageway minimizes radial shaft deflection
- Optional hard surfacing of volutes for severe duty applications

### **Delivery**

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

**PumpWorks.** The only pump company to offer a full line of API and Industrial products 100% Made *Right* In the USA.



## The PumpWork Difference

- Manufactured and tested in the United States
- Access for end users and specifiers to select, configure and estimate their pump online at [www.pumpworks610.com](http://www.pumpworks610.com)



### 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.

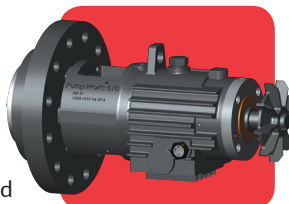


- Shorter lead times than the competition – 16 weeks for API 610 Material Classes S-6, S-8 and C-6

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

### PW-11 API 610 Upgrade Program

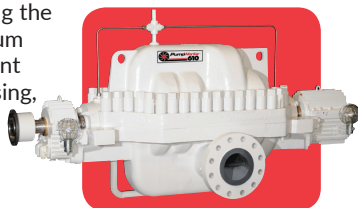
PW-11 is the PumpWorks 610 retrofit upgrade kit that meets API 610 current edition for horizontal single stage OH2 process pumps. The kit ensures petroleum refineries have a fast and cost-effective way to upgrade any brand of existing OH2 process pump and achieve API 610 current edition requirements without expensive changes to the wet end (casing and impeller) and piping.



See our PW-11 API 610 Upgrade Program Brochure for more information.

### 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.



- Shorter lead times than the competition – 26 weeks for API 610 material class S-4, S-6, S-8, C-6 and A-8

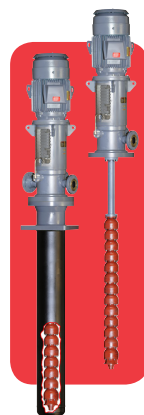
See our PumpWorks 610 Multistage Pump Brochure for more information.

### 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.

- Shorter lead times than the competition – 16 weeks in API 610 Material Class S-1

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



### PWI-BB API 610 Vertical In-Line Single Stage OH3

The PWI-BB is an API 610, OH3 heavy duty bearing bracketed vertical in-line pump designed to cover a wide range of applications found in petroleum processing facilities, gas processing, petrochemical, offshore installations (platforms), hydrocarbon and crude oil terminal and aviation (jet) fueling applications.

- Shorter lead times than the competition – 16 weeks for API 610 material class S-6, S-8 and C-6

See our PWI-BB 610 Vertical In-Line Single Stage OH3 Brochure for more information.

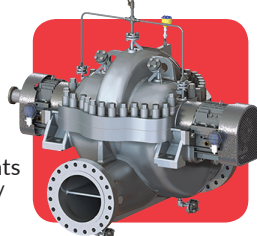


### PWD API 610 BB1 Horizontal Split Single Stage Pump

The robust BB1 PWD is an axially split, single stage, horizontal, between bearing pump. Our heavy duty casing with multiple mounting options for temperature and liquid requirements afford our customers with application specific/ custom hydraulics designed to meet even the aggressive of pumping requirements. The PWD is designed for critical heavy-duty process applications like refining applications that include cooling water, distillation and sulfur recovery. The PWD is a versatile pump for loading, boiler feed boosting, crude oil pipeline, desalination and water transfer.

- The PWD delivers in 28 weeks

See our PWD API 610 BB1 Horizontal Split Single Stage Pump Brochure for more information.



### Online Pump Selection with ePOD

Visit our website at [www.pumpworks610.com](http://www.pumpworks610.com) and specify flow and performance needs and obtain pump selection and performance curve.



**PumpWorks • [www.pumpworks.com](http://www.pumpworks.com)**

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