

# CPC Pumps

## Back Pull-Out Upgrade Kit

For API 610 OH2 Pumps

[www.cpcpumps.com](http://www.cpcpumps.com)

# Why Choose CPC Pumps?

## Benefits

- The most advanced hydraulic fits In The Industry
- State of the art engineering analysis tools (CAD/FEA/CFD) utilized by a team of highly specialized engineers
- Robust and reliable designs, adaptable to meet the most challenging of applications
- Highest level of service and technical support before and after sale
- Project management focused approach that provides customers with world class experience, offering unmatched adaptability and agility
- A comprehensive line of API 610 compliant solutions serving the hydrocarbon and circular economy industries



# Back Pull-Out Upgrade Kit

For API 610 OH2 Pumps

## Fully compliant with API 610 requirements

### Benefits

- Shortens lead times to support expedient turnarounds
- Improves component interchangeability
- Eliminates need to stock obsolete legacy spare parts
- Cost-effective
- Reduces emissions
- Minimizes site disruption
- Enhances reliability
- Prolongs equipment life cycle
- Supports the addition of predictive monitoring instrumentation

### Optional Features

- Oil Flinger/Oil Ring/Purge Mist/Pure Oil lubrication of bearings
- Cast or fabricated impellers, for expanded hydraulic coverage
- Oversized shafts and bearing housing arrangements
- Fan/Heat-sink bearing housing cooling arrangement for operation at elevated temperatures, to eliminate the need for cooling water
- Magnetic bearing housing isolators
- Non-standard API 610 material available

### Standard Features

- Available in all API 610 Table H-1, S-4 through D-2 materials
- Bearing groups available for standard API seal chamber sizes
- Fully adaptable to utilize existing impeller
- Rigid design shaft for minimal deflection to meet and exceed API 610 requirements
- Cylindrical roller radial bearings for ample load carrying capability
- Duplex angular contact 7300 series thrust bearings
- Inpro/Seal bearing housing isolators

### Case Cover

- Fully engineered case cover to adapt to customer existing case and impeller. Cover is designed to accommodate spiral wound gasket

### Seal Chamber

- Standard API 610 dimensions to allow for single/dual mechanical seals with access to accommodate all API 682 plans

### Shaft

- Rigid design shaft for minimal deflection to meet and exceed API 610 requirements
- Reduced L3/D4 (shaft flexibility index) to improve stiffness and limit shaft deflection at the seal.
- Extensive experience list with proven shaft designs for challenging applications

### Wear Components

- Cover wear ring created to match existing equipment diameters
- Throat bushing designed to match existing equipment
- Optional impeller and case wear ring upgrades available

### Instrumentation

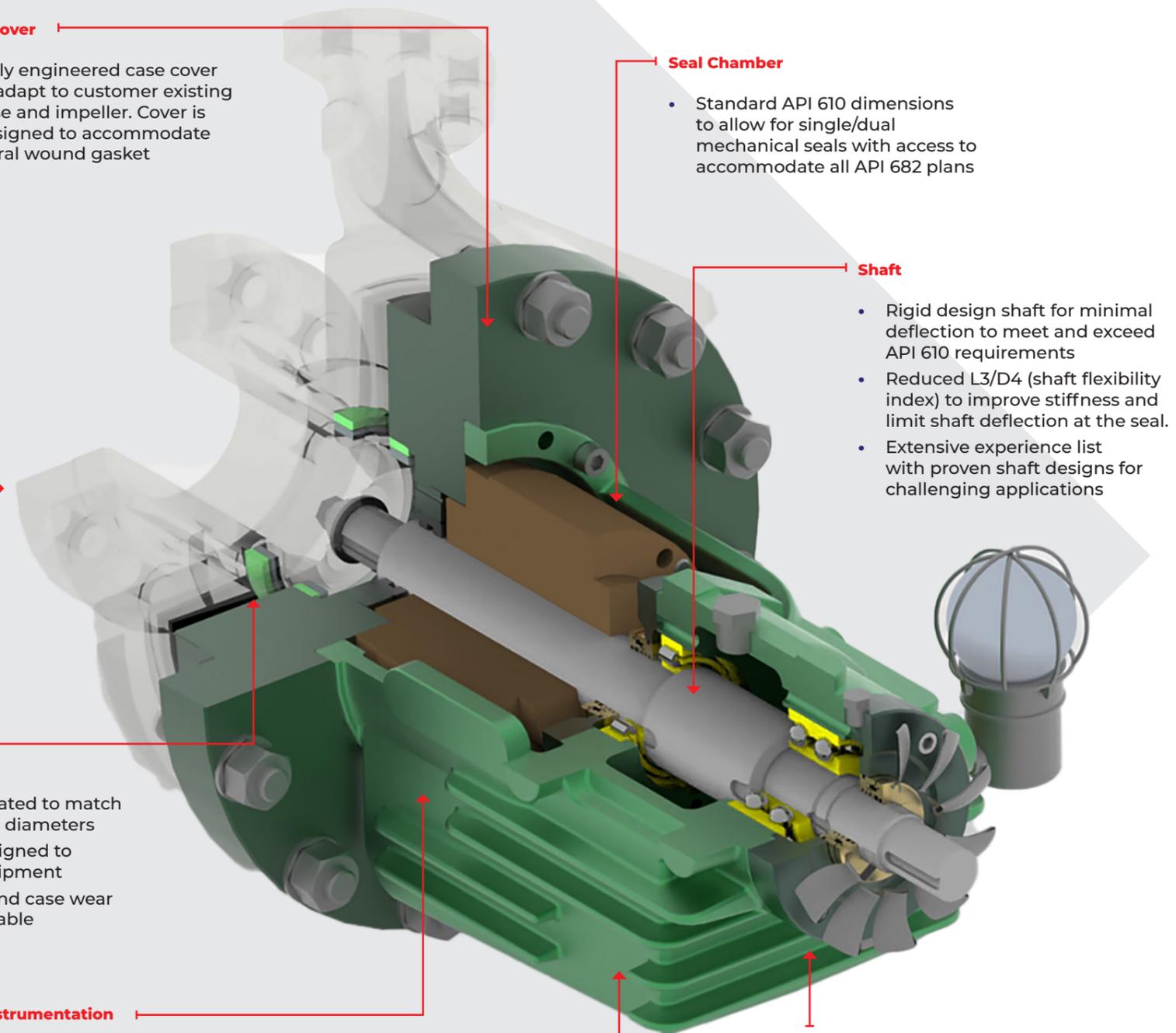
- Options to include instruments for Temperature and Vibration Monitoring

### Bearing Housing Assembly

- Cylindrical roller radial bearings for ample load carrying capability
- Duplex angular contact 7300 series thrust bearings
- Inpro/Seal bearing housing isolators
- Magnetic bearing isolator option for hermetically-sealed bearing housings

### Lubrication & Cooling

- Flood Oil / Pure Oil Mist lubrication of bearings
- Integrally cast cooling fins
- Multiple Fan/Heat-sink bearing housing cooling arrangements for operation at elevated temperatures, eliminating the need for cooling water in most applications



# 3-D SCANNING CAPABILITIES

## On-Site Scanning

CPC Pumps Aftermarket Engineered Service professionals utilize state-of-the-art, handheld 3-D scanners to accurately capture all critical dimensions necessary for rapid component validation, helping to meet stringent quality control requirements while minimizing time and reducing costs







Part of the Atlas Copco Gas and Process Division

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**Inspiring  
innovation. Driving  
sustainability.**

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