

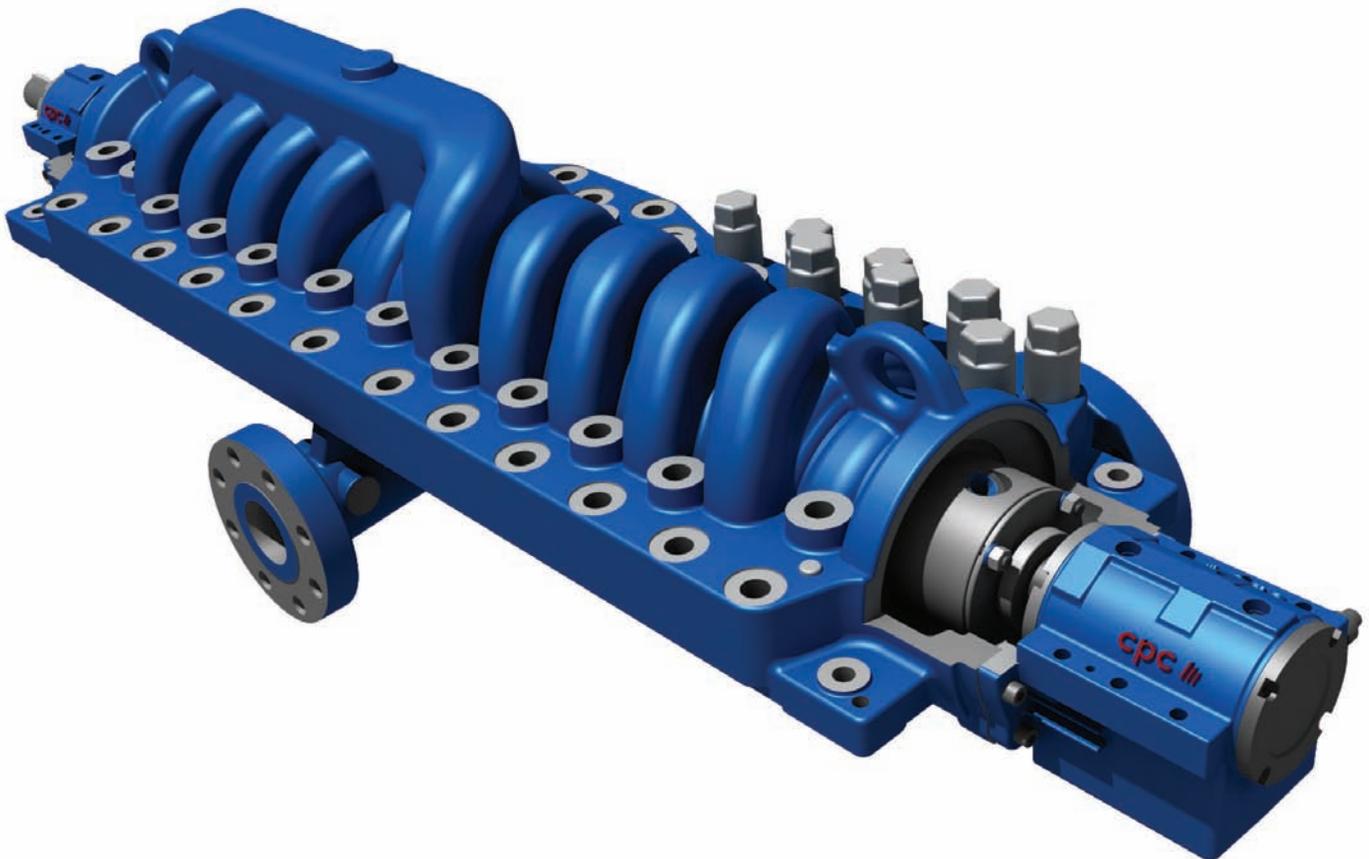
**cpc // Pumps**  
INTERNATIONAL

FORMERLY

**unitedpumps**  
OF CANADA LTD

# CPC Pumps Model HM / HMD

API 610 / ISO 13709, TYPE BB3  
Axially Split Multistage Pump



*Technology and Innovation Serving the Petroleum Industry*

# CPC Pumps Model HM/HMD

## Double Volute Construction

- Reduced radial loads for lower shaft deflection and bearing loading

## Case Wear Rings

- Tongue register
- Anti-rotation pin used, at split line

## Cylindrical or Tapered Shaft Ends

- To meet customer preference

## Seal Chamber

- Full compliance with API 682 requirements
- Ample space for dual mechanical seals
- Ease of access for maintenance

## Additional Features

### Hydraulics

- Wide range of hydraulic performance, optimized for individual applications.
- Impellers staggered for reduced VPF.

### Large Diameter Shaft

- Stepped for ease of assembly.
- Optimized for hydraulic performance.

### Balance Sleeve

- Individually sized for pressure break down, and axial thrust balance.

### Casing

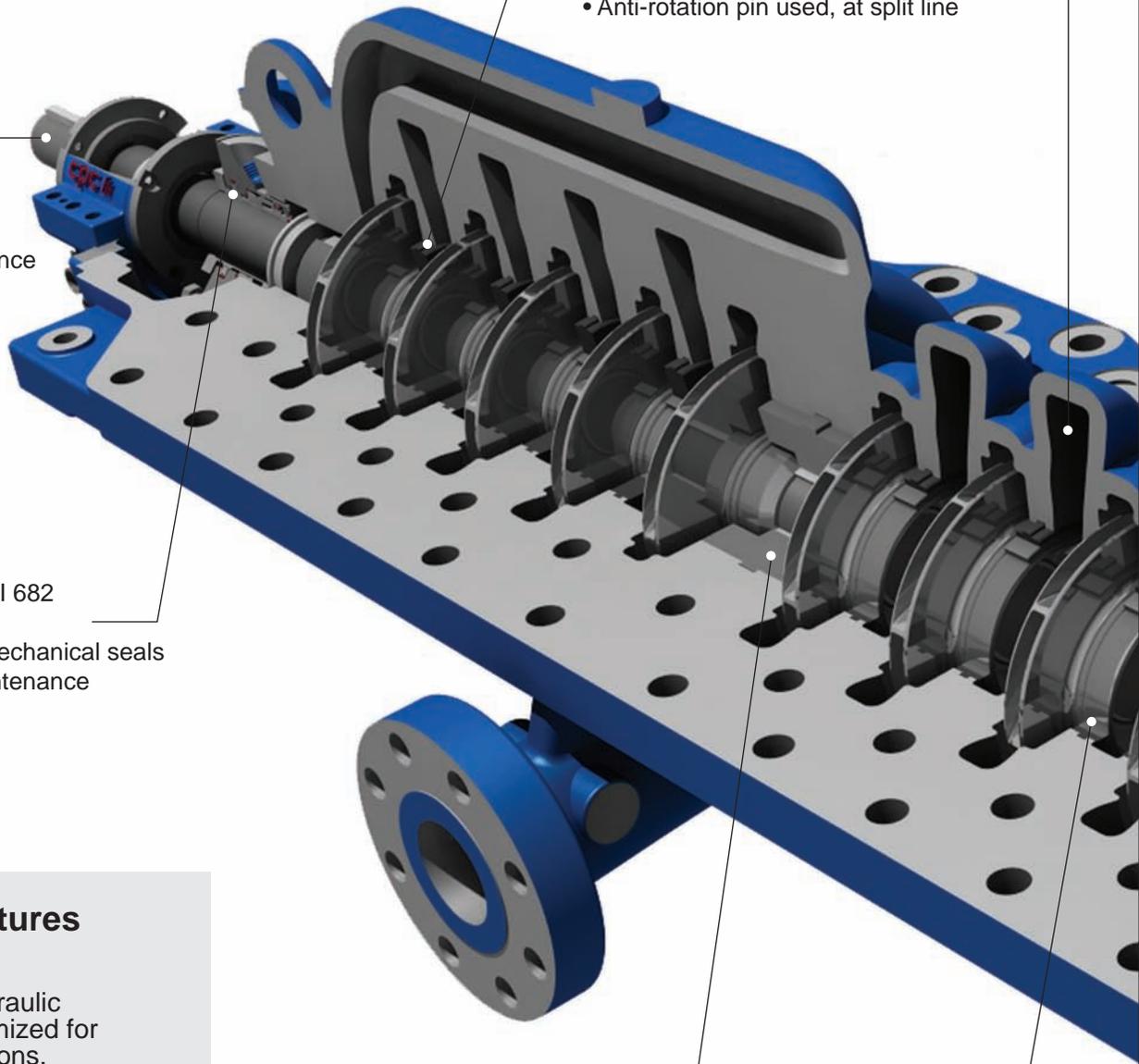
- Mounting dimension and nozzle location same as its predecessor, the respected "United Pump" MSN design.

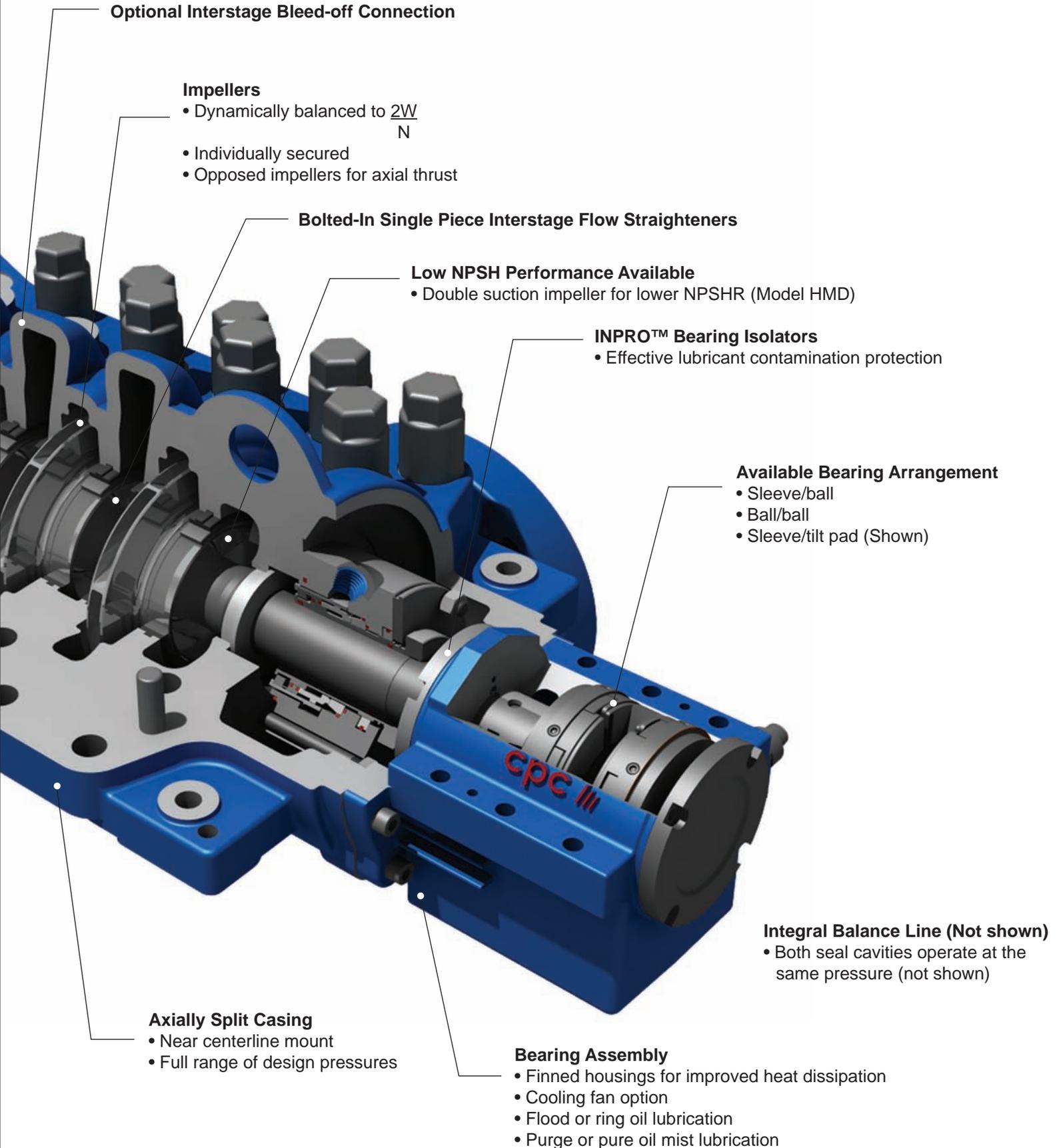
## Split Center Bushing

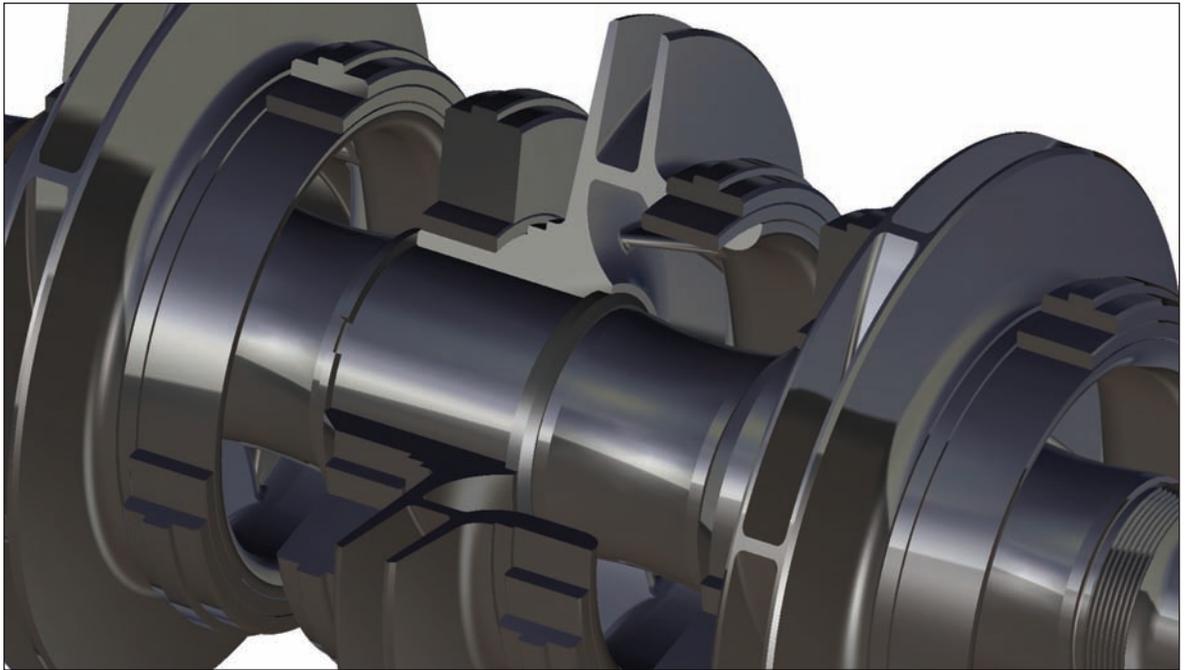
- For ease of inspection, removal and re-installation

## Replaceable Impeller Wear Rings

- Optional Integral impeller ring

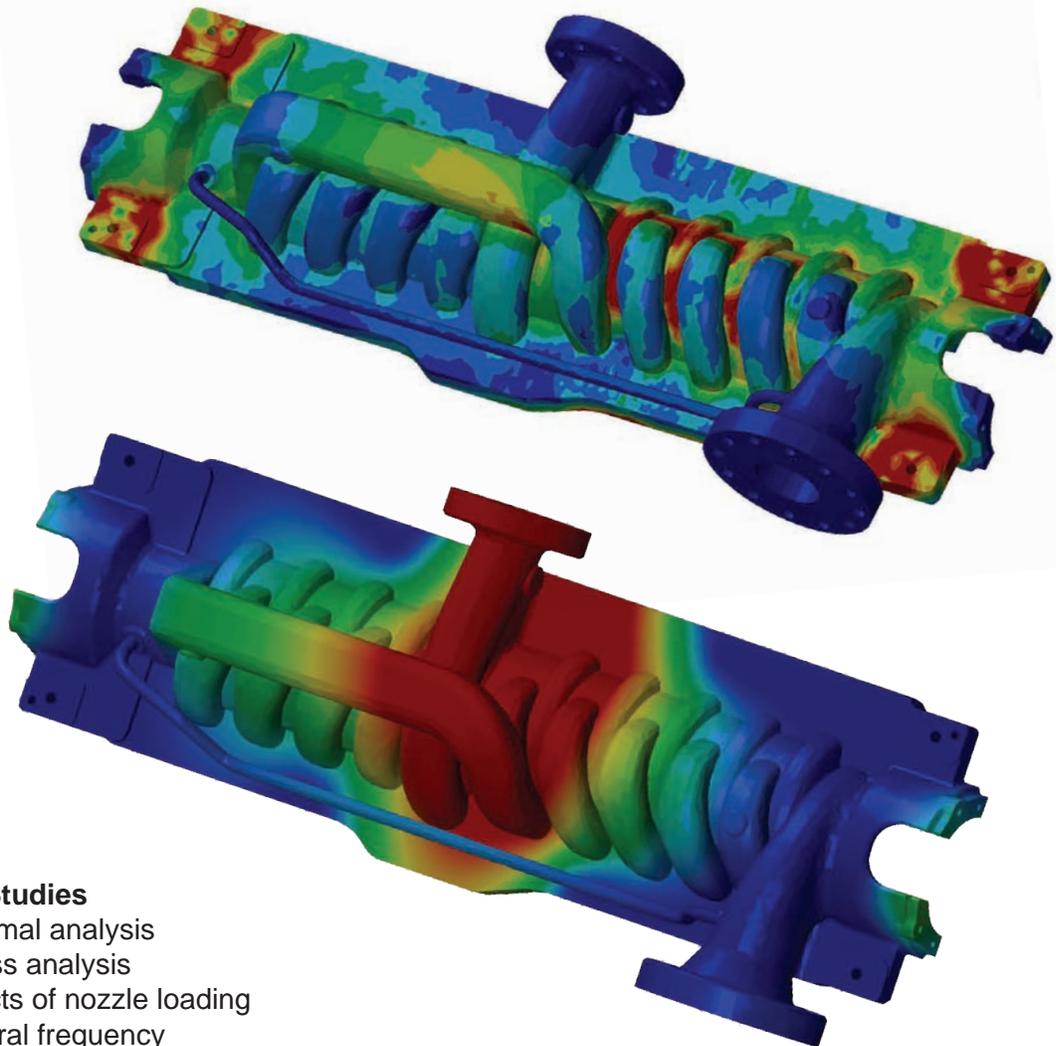






### Impeller Retention

- Impellers secured unidirectionally, in the direction of normal thrust
- Impellers secured bidirectionally, if specified (shown)

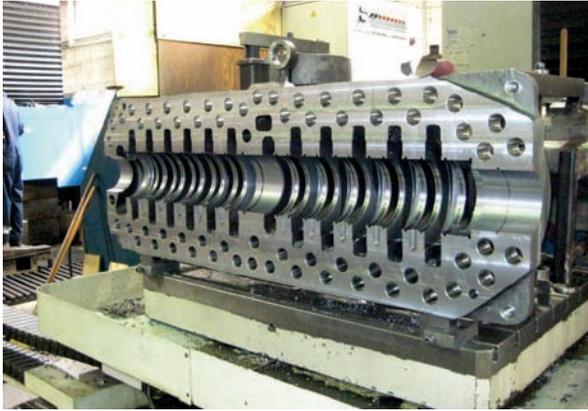


### FEA Studies

- Thermal analysis
- Stress analysis
- Effects of nozzle loading
- Natural frequency

# Product Capabilities

CPC Pumps has 40+ years experience manufacturing API / ISO centrifugal pumps. Using the most up to date technologies, from manufacturing to assembly and testing, CPC Pumps has what it takes to provide equipment that exceeds industry standards.



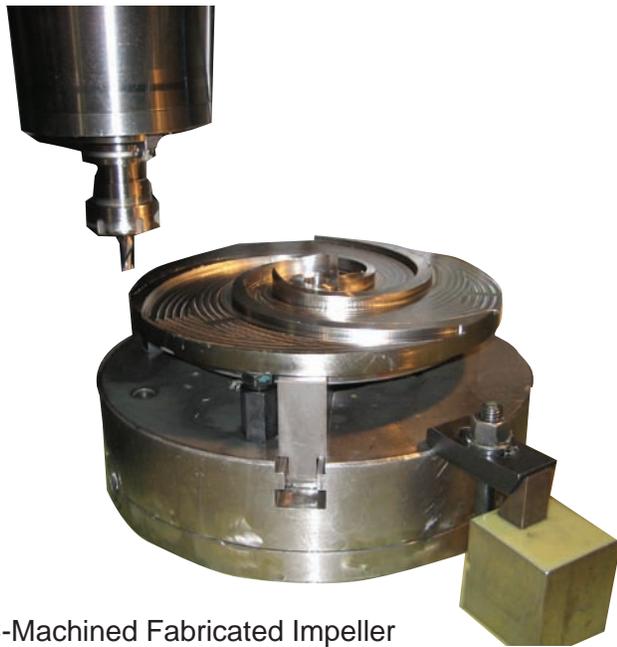
HM Pump Case Machining



Wide Hydraulic Coverage



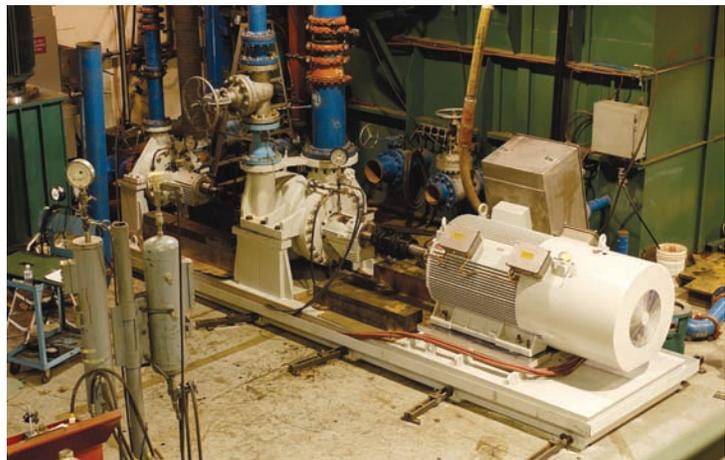
VP-B (OH3) Pump



CNC-Machined Fabricated Impeller



HR (OH2) Pumps - Turbine Driven



H2R (BB2) Pump / Recovery Turbine Drive Train on Test

# Sales / Service Locations

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Calgary  
Vancouver

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Tyler, TX  
Alabama  
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California  
Louisiana  
Montana  
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North Dakota  
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Contact CPC Pumps International

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China  
Taiwan  
Malaysia  
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**For these and all other locations please contact**

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