



### Backed By Global Support

Sundyne is more than just a manufacturer of high quality compressors and pumps...much more. Not only do we offer some of the fastest delivery times in the industry, we also back each and every product shipped with a full range of aftermarket support services, extending the value of our highly engineered machines well beyond the point of sale.

And with our engineered solutions, worldwide presence and compact designs, installation and maintenance has never been more efficient.

The Sundyne service team is here to help protect your investment and provide a trouble-free customer experience at every turn. That's *RELIABILITY REALIZED*.

### Our Aftermarket Programs Include:

- Gearbox Exchanges & Upgrades
- Maintenance Kits
- Conversion Programs
- On-Site SundSCHOOL
- Field Service Support
- Overhaul and Repair Services
- Site Surveys
- Emergency Expedite Services



### Sundyne: An OSHA VPP Star Site

At Sundyne, Environmental Health and Safety (EH&S) is integral to our culture of excellence, and providing a 100% safe work environment through the manufacturing and installation phases of a project is a core priority.

To learn more about our extended service offerings and specific application references, visit [www.sundyne.com](http://www.sundyne.com) or contact us toll free at 1-866-SUNDYNE.

**RELIABILITY  
REALIZED.**

For more information on the HMP-3000 Pump please visit our website [HERE](#) or...

fill out our convenient [Contact Me](#) form and a Sundyne representative will contact you.

### COMPRESSORS

### PUMPS

### GENUINE PARTS

### SERVICE

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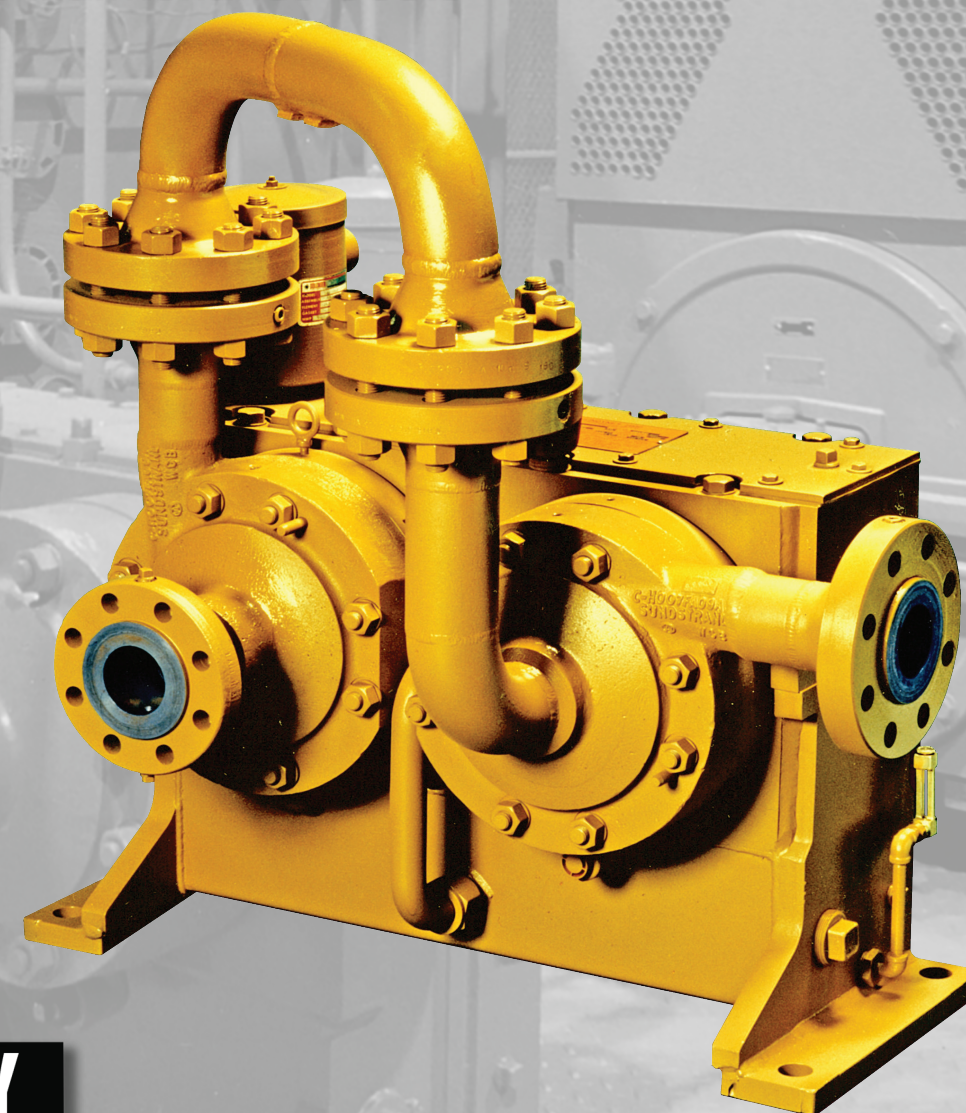
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Sundyne HMP-3000 Upgrade Kit  
Brochure\_051019: US (v.1) POD



## Upgrade Kit for Existing Sundyne HMP-3000 Pumps

Improve Reliability  
Improve Performance  
Increase Maintenance Intervals  
Decrease Maintenance Costs



**RELIABILITY  
REALIZED.**



The Sundyne HMP-3000 Pump has been a workhorse in the Chemical, Petrochemical and Refining industries for decades. The original design and the fact that many of the units are still on the job today after nearly a quarter of a century is a testament to the pump's robust engineering, solid manufacturing processes, and upgrade flexibility.

## Upgrade Your HMP-3000 Pump

Over the decades, Sundyne has been known for its innovative engineered pumping solutions and continuous improvement programs for its products and the Sundyne HMP-3000 Pump is no exception. The engineering team at Sundyne has evaluated field performance data of the HMP-3000 Pump over the years. These data and customer surveys have driven our design team to develop a customizable upgrade solution to further enhance reliability, increase the time between maintenance intervals, improve performance, and decrease maintenance costs.

### Upgrade Features & Benefits

#### 1 Process Seal

Upgrade seals to the latest material technology that has been developed more recently to improve overall seal performance.

#### 2 Process Seal Rotating Face

Improved "soft mount" design to assist in creating a more stable sealing surface. Removal of old hard mount hardware will allow the rotating face to better handle fluctuations in temperature and improve flatness of sealing surfaces.

#### 3 Seal Housing

To accommodate the more reliable rotating face, seal housing\* modification is needed to handle larger rotating face.

Optional upgrade to improve fluid flow through seal housing and remove high point vapor pocket, improving seal life.

#### 4 Gearbox Seal

Improved gearbox seal designed for better sealing capabilities to reduce leakage of gearbox oil.

#### 5 Shaft Sleeves

Proper sleeves included to accommodate new seals and rotating faces. Machined to tight tolerances to maintain proper parallelism and flatness for optimal seal life.

#### 6 Inboard Bearings (Motor Side)

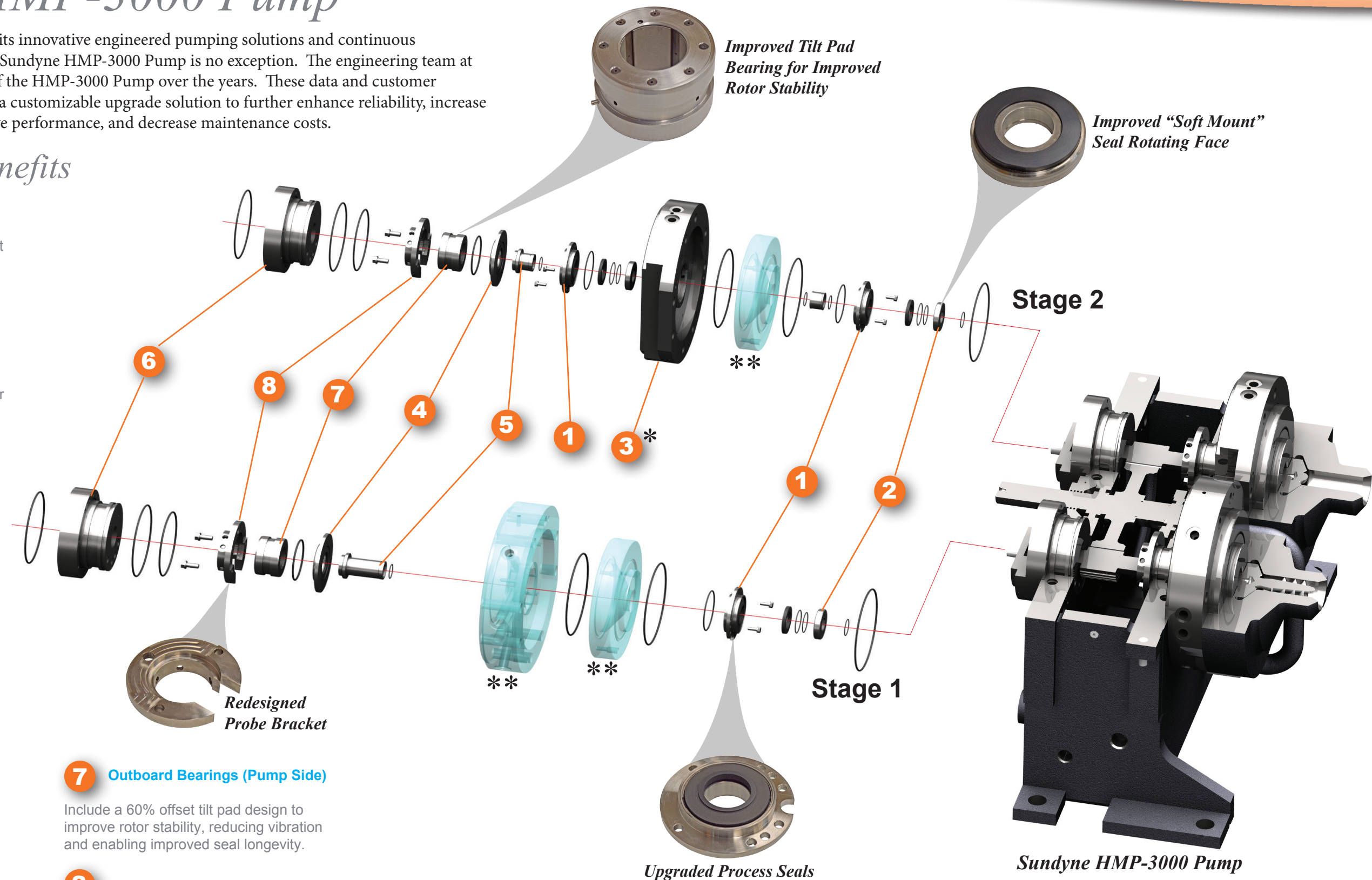
Engineering analysis will be completed on each bearing to determine proper bearing that is included in the kit for best rotor stability and bearing loading.

#### 7 Outboard Bearings (Pump Side)

Include a 60% offset tilt pad design to improve rotor stability, reducing vibration and enabling improved seal longevity.

#### 8 Probe Bracket

Redesigned to accommodate the new bearing hardware.



\* Modification Required for Tandem Seal Arrangements

\*\* Utilizes Existing Hardware