

AMPCO INNOVATIONS

Are you still using 1990's technology
to safeguard your products?



Does your car
still get 15 mpg?



Does your TV remote
still have 4 channels?



Is your phone
still connected to the wall?

Of course not!

Don't accept less innovation with your process pumps. Ampco's patented ZP3 design offers enhanced cleanability, easy maintenance and standard Ampco upgrades.

ZP3 PUMPS HAVE THESE FEATURES AT NO ADDITIONAL CHARGE

- Stainless steel gearcase
- Stainless steel bearing retainers
- Stainless splash guard
- High load carrying capacity helical gears
- 4-way mounting
- Sealed cleanout plugs
- Eight threaded grease zerkl access points

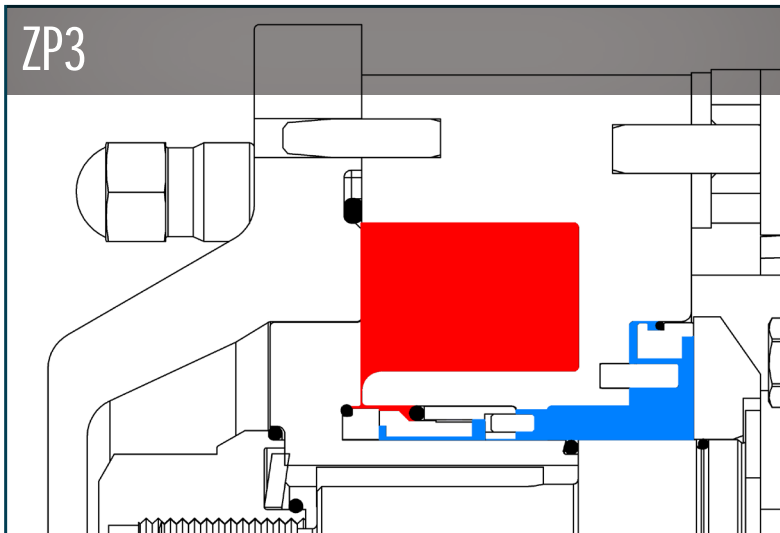


ZP3 Versus The 1990's

Hygienic Comparison

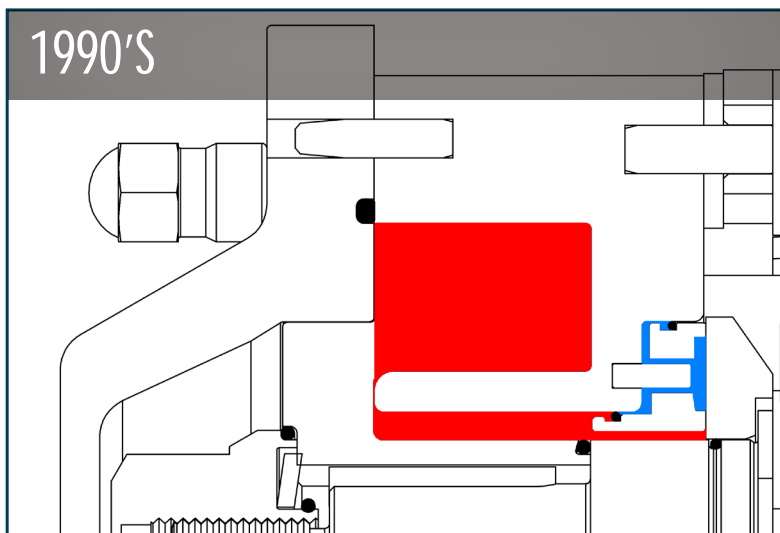
LEGEND

- O-rings
- Product/CIP Fluid
- Seal Flush



AMPCO'S PATENTED ZP3 DESIGN

- ZP3 seal design eliminates all dead zones and ensures seal faces are constantly flushed
- Patented front-loading seal is fully CIP-able without modifications ensuring maximum efficiency
- Front-loading seal design requires no removal of piping for maintenance
- Balanced seal design extends seal life
- 3A / EHEDG Certified
- Standard seal faces of tungsten carbide versus silicon carbide offer longer seal life



THE 1990'S DESIGN

- Dead zones result in difficult to clean areas, particularly for viscous products
- Required flat body profile for CIP reduces pump efficiency
- Mechanical seals are located at the rear of the body, requiring removal of piping and pump body for servicing
- Poorly balanced seal design leads to shorter seal life