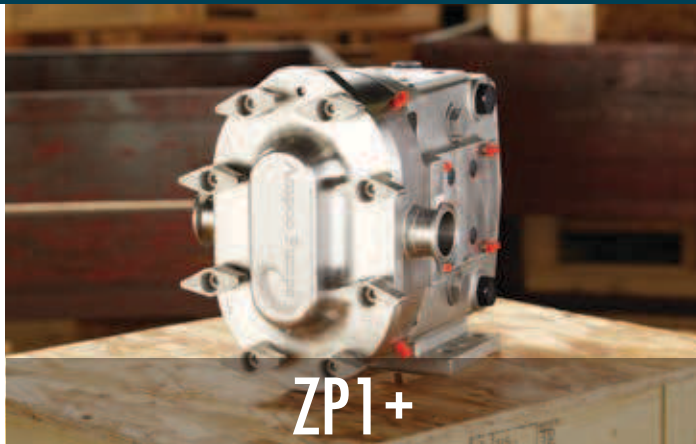


AMPCO INNOVATIONS

REDUCED DOWNTIME, EASY TO MAINTAIN, CLEAN-IN-PLACE



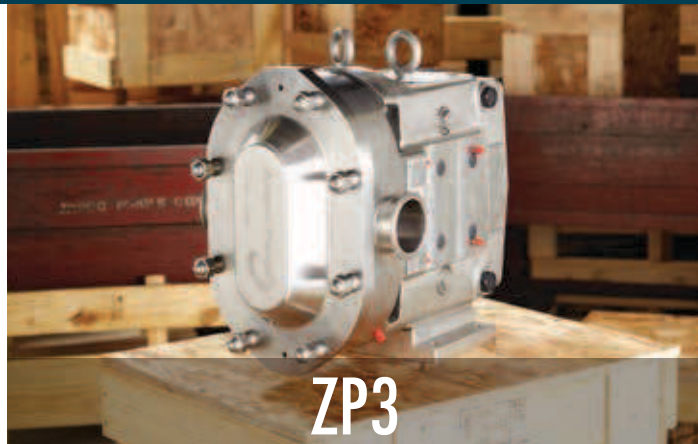
ZP1+

ZP1+ DESIGN

- Patent pending design. O-rings are located at the front of the body and the sleeve is now a mating part of the rotor.
- O-rings can be changed without having to disconnect the pump from the piping system.
- The one piece sleeve design seals the pump when rotors are removed for CIP.
- Fewer parts, simple maintenance, reduced downtime all lead to substantial savings.
- 3A Certified

REMANUFACTURING OPTION

Existing ZP1 pumps (and competing models) can be converted to a ZP1+ pump during the remanufacturing process at no extra charge.



ZP3

ZP3 DESIGN

- Patented front-loading seal design for ease-of-maintenance.
- ZP3 seal design eliminates all dead zones in the pump and is fully CIP-able without modifications.
- 3A / EHEDG Certified.
- Tungsten carbide versus silicon carbide seal faces offer longer life.

REMANUFACTURING OPTION

Existing ZP2 pumps (and competing models) can be converted to a ZP3 with new rotors, seals and re-machining the existing rotor case.

ZP pumps offer all of these upgrades at no additional charge

- Stainless steel gearcase on new pumps
- Stainless steel bearing retainers
- 17-4 PH stainless steel shafts
- Helical Gears
- Stainless splash guards
- 4-way mounting
- Sealed cleanout plugs
- 6 oil plugs with sight glass
- Eight threaded grease zerk access points