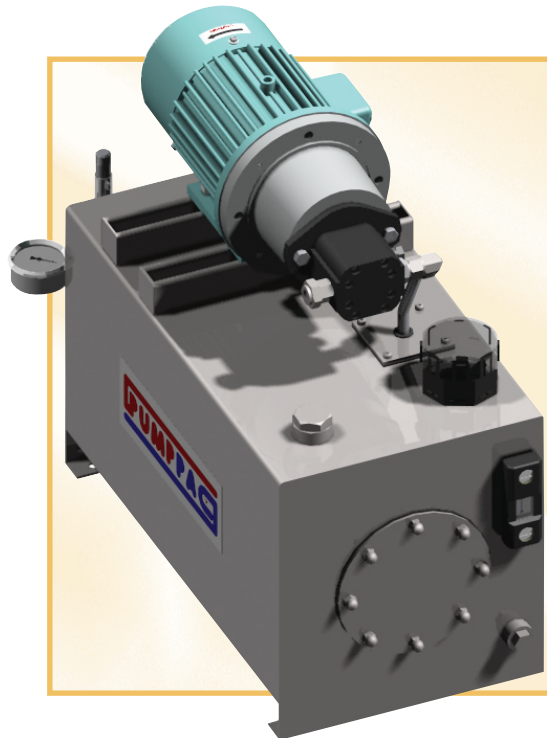




ENVIRONMENTAL TECHNOLOGY

# PP/01™ OIL PUMPPAC



## FEATURES

- HIGH PERFORMANCE FORCED CIRCULATION SYSTEM
- ENHANCED MODULAR DESIGN TO BE USED ON A RANGE OF HIGH END APPLICATIONS
- CAPABLE OF SUPPLYING SPLIT FLOWS AND A RANGE OF PRESSURES FOR TWO OR MORE MECHANICAL SEALS

## BENEFITS

- SUITABLE FOR USE ON API PLAN 54 PIPING ARRANGEMENTS
- THE PUMPPAC™ CAN BE INSTALLED IN A VARIETY OF ZONED ENVIRONMENTS BY INTERCHANGING THE INSTRUMENTATION OPTIONS
- BARRIER FLUID COOLING OF TWO OR MORE MECHANICAL SEALS CAN BE ACCURATELY CONTROLLED

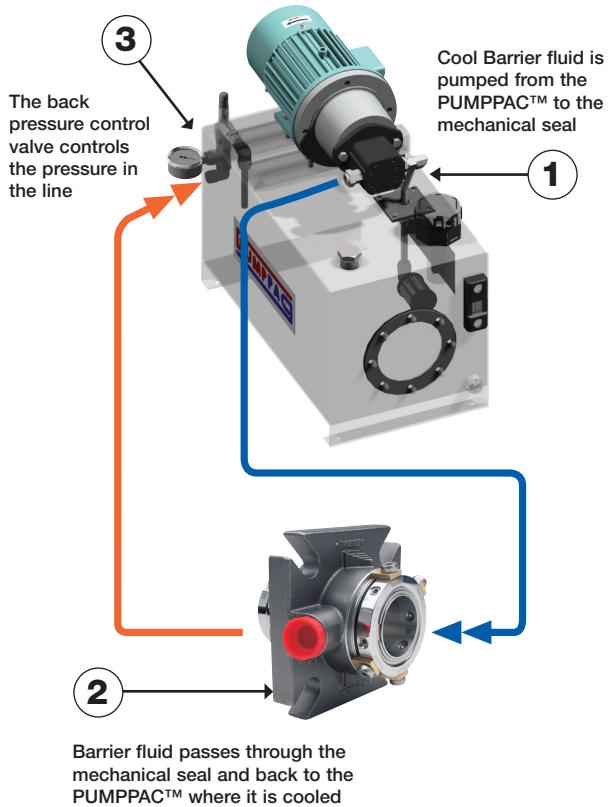




The AESSEAL® PUMPPAC™ range is a robust selection of forced circulation systems. The range was developed to meet the requirements of the API Plan 54 piping plan, which maximises heat dump potential for the more arduous pump applications. A range of instrumentation can be added to the PUMPPAC™ to adapt the system to specific pump applications. An ATEX Certified version of the Oil PUMPPAC™ is available.

## SPECIFICATIONS

### PUMPPAC™ Operating Principle



### Standard Offering:

**Tank:** 45 liter / 12 gal (US) capacity, SS construction  
**Pressure Gauge:** SS body  
**Temperature and Level Gauge:** Polyamide body, SS bolts  
**Suction Filter:** 60 microns SS mesh, Carbon Steel body  
**Filler Breather Cap:** Plastic construction  
**Motor:** Safe Area, Cast Iron construction  
**Pump:** Positive Displacement, Cast Iron and Tinnefer Steel Construction 4 liters / 1.1 gal (US) per minute  
**Back Pressure Control Valve:** SS construction

### Optional Extras:

**ATEX Certification:** Oil PUMPPAC™ only  
**Motor:** Flame Proof (Cast Iron construction), UL Motor option  
**Oil Pump:** High Flow, Cast Iron, 12 liters / 3.3 gal (US) per minute  
**Flow Divider Assembly:** Feeds two seals or a double ended pump  
**Plate Heat Exchanger:** Nickel Brazed, SS body  
**Internal Heating Element:** Safe Area & EEXD Explosion Proof  
**Air Blast Cooler**  
**Cooling Coil:** SS construction  
**Top Entry Low Level Switch:** Safe Area & EEXD Explosion Proof  
**High / Low Pressure Switch:** Safe Area & EEXD Explosion Proof  
**Flexible Hose Assemblies:** SS braided PTFE hose & SS fittings  
**Hard Pipe Kits:** SS pipe and SS fittings

Bespoke high specification PUMPPACs can be designed and manufactured on request.



### BARRIER & BUFFER FLUID SYSTEMS FOR USE WITH DOUBLE MECHANICAL SEALS

AESSEAL® supplies an extensive range of barrier and buffer fluid systems for use with double mechanical seals. Wherever possible AESSEAL® prefers to supply both the seal and the system. In addition the company will suggest suitable barrier or buffer fluids for most applications, based on extensive field experience.

AESSEAL® accepts no responsibility for any problems associated with system design, installation, operation, or the use of an unsuitable barrier or buffer fluid, where the fluid, seal or any part of the system have not been specified and/or supplied by AESSEAL®.

THIS DOCUMENT IS DESIGNED TO PROVIDE DIMENSIONAL INFORMATION AND AN INDICATION OF AVAILABILITY.  
 FOR FURTHER INFORMATION AND SAFE OPERATING LIMITS CONTACT OUR TECHNICAL SPECIALISTS AT THE LOCATIONS BELOW.



**USE DOUBLE MECHANICAL SEALS WITH HAZARDOUS PRODUCTS. ALWAYS TAKE SAFETY PRECAUTIONS:**

- GUARD YOUR EQUIPMENT
- WEAR PROTECTIVE CLOTHING



### UK Sales & Technical advice:

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 Templeborough  
 Rotherham  
 S60 1BZ  
 United Kingdom



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 E-mail: [seals@aesseal.com](mailto:seals@aesseal.com)  
 Internet: <http://www.aesseal.com>

Distributed by:

**Our Purpose:** *'To give our customers such exceptional service that they need never consider alternative sources of supply.'*

### USA Sales & Technical advice:

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Reference Issue • L-UK/US-P/PAC-11