



ENVIRONMENTAL TECHNOLOGY

# PUMPPAC™ OIL & WATER RANGE



## FEATURES

OIL AND WATER OPTIONS

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

- PUMPPAC™ OIL - CAN BE USED ON APPLICATIONS WHERE OIL AND OIL/WATER MIXES ARE TO USED AS BARRIER FLUIDS. PUMPPAC™ WATER - USED ON APPLICATIONS WHERE WATER IS THE BARRIER FLUID
- 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

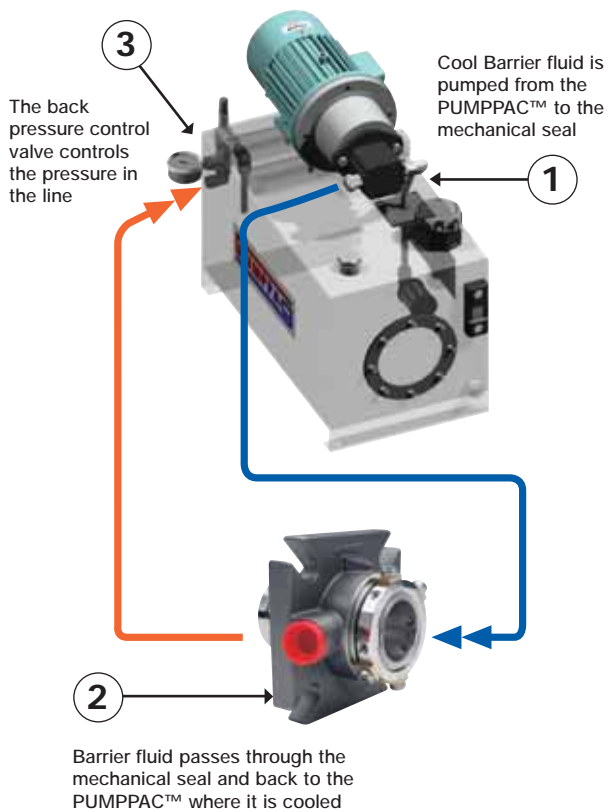




The AESSEAL® PUMPPAC™ range is a robust selection of forced circulation systems. The range was developed to meet the requirements of the API Plan 54 piping plan, which maximises heat dump potential for the more arduous pump applications. Both oil and water versions of the PUMPPAC™ are available, ensuring its adaptability to a wide range of industry applications. A range of instrumentation can be added to the PUMPPAC™ to adapt the system to the specific pump application. 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 for Oil Model:** Positive Displacement, Cast Iron and Tinnefer Steel Construction 4 liters / 1.1 gal (US) per minute  
**Pump for Water Version:** Positive Displacement, Brass and engineered plastic construction  
**Back Pressure Control Valve:** SS construction

### Optional Extras:

**ATEX Certification:** Oil PUMPPAC™ only  
**Motor:** Flame Proof (Cast Iron construction), UL Motor option  
**Water Pump:** SS (water version only) 8 liters / 2.2 gal (US) per minute  
**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.



INVESTOR IN PEOPLE



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

- GUARD YOUR EQUIPMENT
- WEAR PROTECTIVE CLOTHING



WARNING

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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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