

PUMPPAC™

API Plan 54 Forced Oil Circulation System



Features

- Forced circulation
- Back pressure control valve
- Modular design

Benefits

- Maximizes heat dump potential for the more arduous applications
- Ensures a positive barrier fluid pressure at the seal-faces
- Allows the PUMPPAC™ to be installed in a variety of zoned environments by interchanging the instrumentation options



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 maximizes 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.



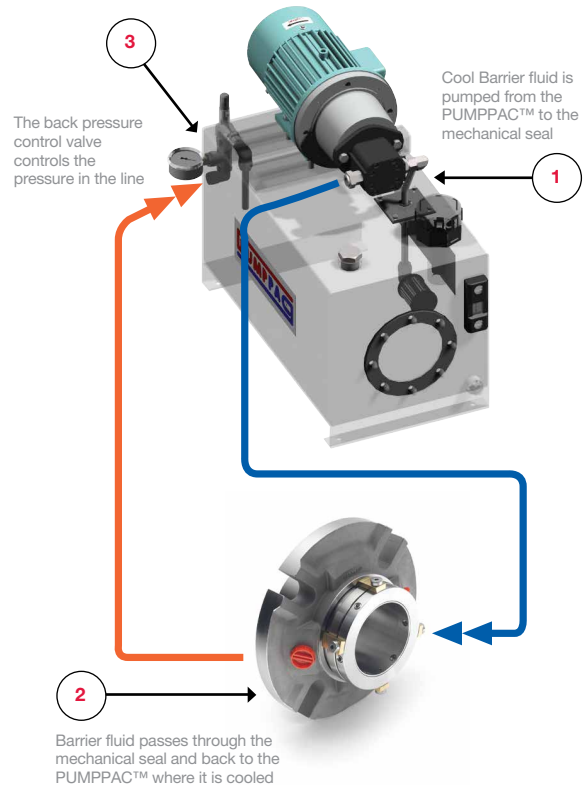
Specifications

Standard Offering:

- Tank:** 45 litre / 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 litres / 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 litres / 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 & Flame Proof
- Air Blast Cooler:** Safe Area & Flame Proof
- Cooling Coil:** SS construction
- Top Entry Low Level Switch:** Safe Area & Flame Proof
- High / Low Pressure Switch:** Safe Area & Flame Proof
- Flexible Hose Assemblies:** SS braided PTFE hose & SS fittings
- Hard Pipe Kits:** SS pipe and SS fittings



PUMPPAC™ Operating Principle

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: **WARNING**

- Guard your equipment
- Wear protective clothing

UK Sales & Technical advice:
 AESSEAL plc
 Mill Close
 Bradmarsh Business Park
 Rotherham
 S60 1BZ
 United Kingdom

Tel: +44 (0) 1709 369966
 Fax: +44 (0) 1709 720788
 E-mail: seals@aes seal.com

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www.aes seal.com

USA Sales & Technical advice:
 AESSEAL Inc.
 355 Dunavant Drive
 Rockford
 TN. 37853
 USA

Tel: +1 865 531 0192
 Fax: +1 865 531 0571
 E-mail: usa@aes seal.com

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