

AES-15TM

Oil or Water Support System



Features

- 316 SS vessel construction
- Enhanced modular design
- Cooling coil as standard
- Vessels are designed and manufactured in accordance with ASME VIII Div.1 and PED 2014/68/EU

Benefits

- Robust vessel suitable for a range of challenging environments
- Available in threaded as standard or flanged construction
- Additional cooling available for high heat applications
- Suitable for a wide range of arduous environments.

Design rating 30 bar @ 100°C / 435 psi @ 212°F



The AES-15™ vessel forms the core of a robust, low maintenance and highly reliable barrier fluid system. This vessel is constructed with 316 Stainless Steel and is designed to meet the high end needs of the Chemical, Pharmaceutical and Petrochemical industries. The AES-15™ cleverly combines American and European standards, thus allowing the one vessel to accept top entry (float) or side entry (ultra-sonic) level switches. Both oil and water can be used as barrier fluids with the AES-15™, ensuring its compatibility with a wide range of industrial pump applications. The AES-15™ is designed and manufactured to ASME VIII Div.1 and certified by TÜV to cover PED requirements.



Specifications Standard Offering

Vessel:

Construction: 316 Stainless Steel
Pressure limit: 30 bar / 435 psi
Temperature limit: 100°C / 212°F
Capacity: 15 litres / 3.96 gal (US)
Connections: 1/2" NPT for seal feed and return hoses*
Finish: Satin bead blast
Designed to: ASME VIII Div.1 and certified by TÜV to cover PED requirements
3/4" NPT side entry, 1" NPT top entry

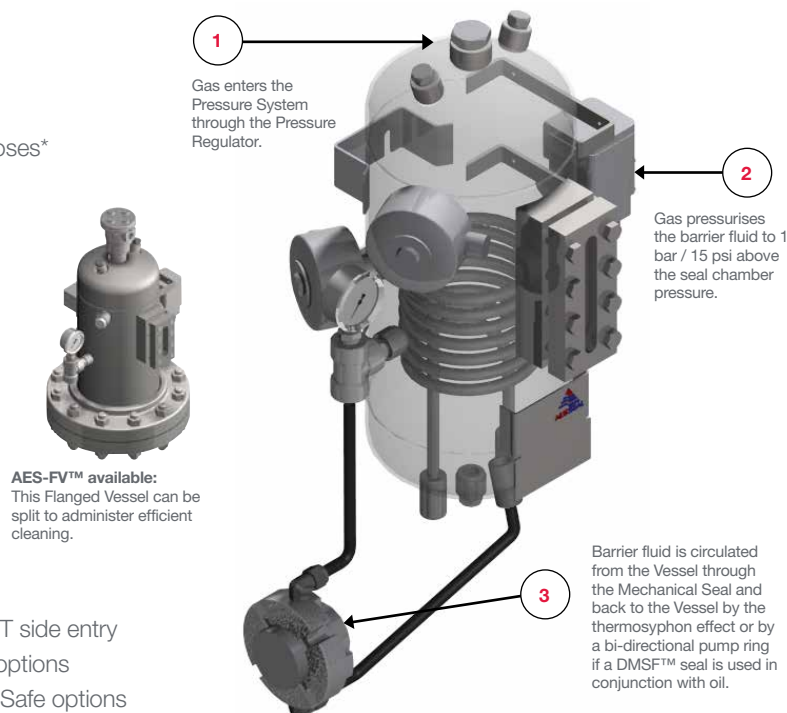
Weld Pad Level Gauge:

Body: 316 Stainless Steel
Top plate: 316 Stainless Steel
Bolts: 316 Stainless Steel
Gaskets: PTFE
Pressure limit: 30 bar / 435 psi
Temperature limit: 100°C / 212°F

Optional Extras:

Level Switch: 1" NPT top entry (float) and 3.4" NPT side entry (ultra-sonic) Explosion Proof and Intrinsically Safe options
Pressure Switch: Explosion Proof and Intrinsically Safe options
Pressure Gauge: 316 Stainless Steel (wetted parts option available)
Hand Pump: Oil & Water options
Nitrogen Regulator Assembly

Operating Principle (Under API Plan 53A Conditions)



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®

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AESSEAL plc is certified to:

ISO 9001, ISO 14001, ISO/IEC 20000, ISO/IEC 27001,
 ISO/TS 29001, ISO 37001, ISO 45001 & ISO 50001



Net Zero champions globally



Use double mechanical seals with hazardous products.

Always take safety precautions:

- Guard your equipment
- Wear protective clothing



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