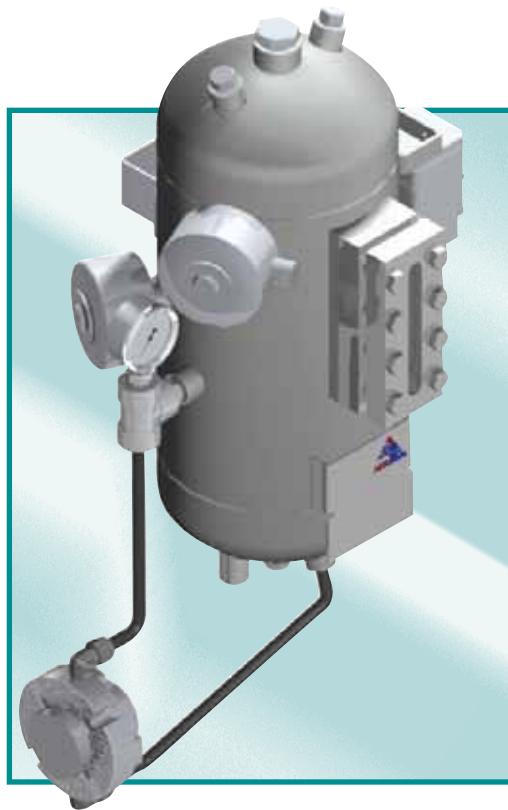




ENVIRONMENTAL TECHNOLOGY

## AES-15™



### FEATURES

DESIGNED TO ASME VIII DIV.1 AND AD MERKBLÄTTER 2000 AND CERTIFIED BY TÜV

316 SS VESSEL CONSTRUCTION

ENHANCED MODULAR DESIGN

COOLING COIL AS STANDARD

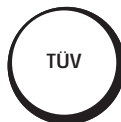
### BENEFITS

- SUITABLE FOR A WIDE RANGE OF ARDUOUS ENVIRONMENTS  
DESIGN RATING 30 BARG @ 200°C (435 PSIG @ 392°F)

- SUITABLE FOR CHALLENGING PLANT ENVIRONMENTS

- SUITABLE FOR BOTH AMERICAN AND EUROPEAN SITE APPLICATIONS

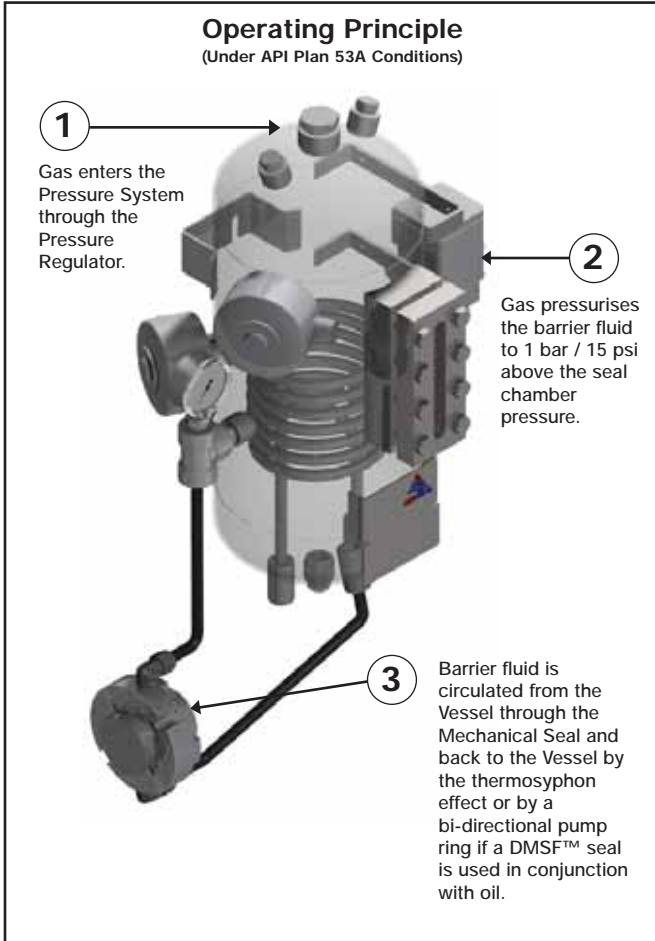
- INCREASES THE SURFACE AREA AVAILABLE FOR BARRIER FLUID COOLING





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 AD Merkblätter and certified by TÜV to cover PED requirements.

## SPECIFICATIONS



### Standard Offering

#### Vessel:

- **Construction:** 316 Stainless Steel
- **Pressure limit:** 30 bar / 435 psi
- **Temperature limit:** 200°C / 392°F
- **Capacity:** 15 liters / 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 AD Merkblätter 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:** 200°C / 392°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**

**AES-FV™ available:**  
This Flanged Vessel can be split to administer efficient cleaning.



\*All assembled AES-15™ Systems Packages come complete with twin furrel compression type Stainless Steel fittings.

### 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

#### UK Sales & Technical advice:

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Templeborough  
Rotherham  
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United Kingdom

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E-mail: seals@aes seal.com  
Internet: http://www.aes seal.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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USA

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

#### Systems Sales & Technical advice:

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