



ENVIRONMENTAL TECHNOLOGY

# AES-28™ API 682 Vessel Range



## FEATURES

VESSELS ARE DESIGNED AND MANUFACTURED IN ACCORDANCE WITH ASME III DIV.1 1995 AGENDA 1997, AD MERKBLATTER 2000, API MODULE H AND ARE CERTIFIED BY TÜV TO COVER PED REQUIREMENTS

316 SS VESSEL AND WELD PAD CONSTRUCTION

28 LITER / 7.39 US GALLON VESSEL

THE VESSEL HAS A MODULAR DESIGN

## BENEFITS

- SUITABLE FOR A WIDE RANGE OF ARDUOUS ENVIRONMENTS. DESIGN RATING OF 45 BAR @ 38°C (652.7 PSI @ 100°F)

- ROBUST VESSEL SUITABLE FOR A RANGE OF CHALLENGING ENVIRONMENTS

- LARGE BARRIER FLUID CAPACITY FOR SEAL COOLING

- A RANGE OF INTRINSICALLY SAFE AND EEXD EXPLOSION PROOF INSTRUMENTATION OPTIONS CAN BE FITTED

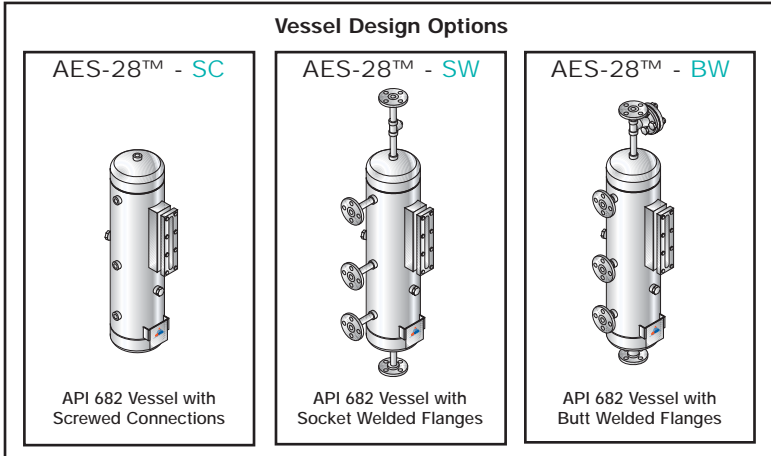




The AES-28™ systems are based around a 316 stainless steel, 28 liter / 7.39 US gallon vessel, which comprises a weld pad level gauge and an integral cooling coil as standard. This vessel has a design rating of 45 barg @ 38°C / 652.7 psig @ 100°F. The AES-28™ vessels are designed and manufactured in accordance with a wide range of international specifications. They are designed and manufactured in accordance with ASME III Div.1 1995 agenda 1997, AD Merkblätter 2000, API Module H and are certified by TÜV to cover PED requirements.

The AES-28™ is available in a choice of three inventoried vessels. This range includes a screwed connection vessel, the socket welded vessel and the butt welded vessel. A variety of component options are available to adapt the vessel to specific pump applications. These options include electrical equipment, which is intrinsically safe or explosion proof.

## SPECIFICATIONS



### Standard Offering:

#### Vessel:

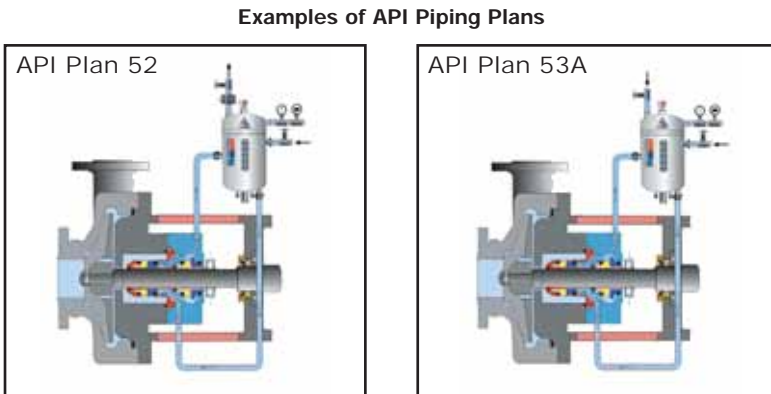
- Construction: 316 SS
- Design Rating: 45 Bar @ 38 °C (652.7 psi @ 100 °F)
- Capacity: 28 liters / 7.39 US gallons
- Designed and manufactured to: ASME III Div.1, AD Merkblätter 2000, API Module H and certified by TÜV to cover PED requirements

**Weld Pad:** Construction 316 SS

**Cooling Coil:** Construction 316 SS

#### Optional Extras:

- Pressure Gauge Assembly (cw instrumented valve)
- Pressure Switch - Intrinsically Safe or EEXD Explosion proof
- Pressure Transmitter - Intrinsically Safe or EEXD Explosion proof
- Level Transmitter - Intrinsically Safe or EEXD Explosion proof
- High / Low Level Switch - Intrinsically Safe or EEXD Explosion proof
- PED Compliance
- Orifice Plate (Plan 52)
- Vent / Drain / Fill Valve - Screwed, Socket Weld and Butt Weld Options



AESSEAL® CAPI™ 610 & 682 Single and Double range of mechanical seals suited to API 610 V8 & API 682

Please note that the AESSEAL® AES-15™ Vessel can be used under API 682 if the pump's shaft diameter is below 60mm / 2.4 inches

### 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



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

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