

# AES-28™

API 682 Vessel Range



## Features

- 316 SS vessel and weld pad construction
- 28 litre / 7.309 gal (US) vessel
- Designed and manufactured in accordance with ASME VIII Div 1 and PED 2014/68/EU
- Modular design

## Benefits

- Robust vessel suitable for a range of challenging environments
- Large barrier fluid capacity for seal cooling
- Suitable for a wide range of arduous environments. Design rating of 45 bar @ 100°C / 652.7 psi @ 212°F
- A number of intrinsically safe and EEXD flame proof instrumentation options can be fitted



The AES-28™ systems are based around a 316 stainless steel, 28 litre / 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 bar @ 100°C / 652.7 psi @ 212°F.

The AES-28™ vessels are designed and manufactured in accordance with ASME VIII Div.1, approved by notified bodies to cover PED 2014/68/EU and certified to GOST. The AES-28™ is available in a choice of three inventoried vessels. This range includes a screwed connection vessel, socket welded vessel and butt welded vessel. A variety of component options are available to adapt the vessel to specific pump applications. These options include electrical equipment, which are intrinsically safe or flame proof.



## Standard Offering

### Vessel:

**Construction:** 316 Stainless Steel

**Design Rating:** 45 bar @ 100°C / 652.7 psi @ 212°F

**Capacity:** 28 litres / 7.39 US gallons

**Designed and manufactured to:** ASME VIII Div.1, approved by notified bodies cover PED 2014/68/EU and certified to GOST.

**Weld Pad:** Construction 316 SS

**Cooling Coil:** Construction 316 SS

**PED Compliance**

### Optional Extras:

**Pressure Gauge Assembly** (cw instrumented valve)

**Pressure Switch:** Intrinsically Safe or flame proof

**Pressure Transmitter:** Intrinsically Safe or flame proof

**Level Transmitter:** Intrinsically Safe or flame proof

**High / Low Level Switch:** Intrinsically Safe or flame proof

**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™ / AES-12™ Vessel can be used under API 682 if the pump's shaft diameter is below 2.4 inches / 60mm



## AES-28™ Vessel Design Options



**AES-28™ Vessel with Butt Welded Flanges**

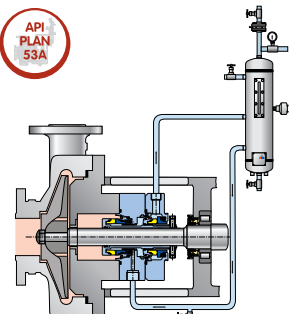
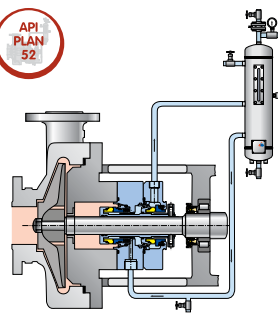


**AES-28™ Vessel with Screwed Connections**



**AES-28™ Vessel with Socket Welded Flanges**

## Examples of API Piping Plans



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For further information and safe operating limits contact our technical specialists at the locations below.



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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



INVESTOR  
IN PEOPLE

Use double mechanical seals with hazardous products.

Always take safety precautions:

- Guard your equipment
- Wear protective clothing



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