

AES28™

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 AES28™ 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 AES28™ 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 AES28™ 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® AES15™ / AES12™ Vessel can be used under API 682 if the pump's shaft diameter is below 2.4 inches / 60mm



AES28™ Vessel Design Options



AES28™ Vessel with Butt Welded Flanges

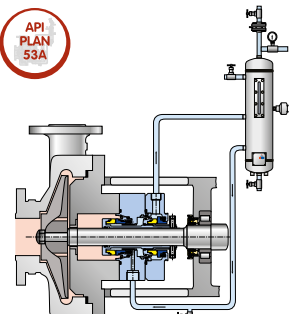
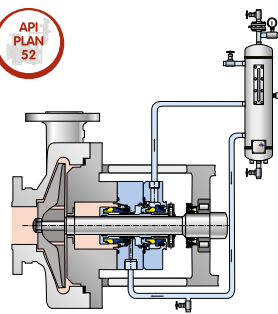


AES28™ Vessel with Screwed Connections



AES28™ 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



Use double mechanical seals with hazardous products.

Always take safety precautions:

- Guard your equipment
- Wear protective clothing



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