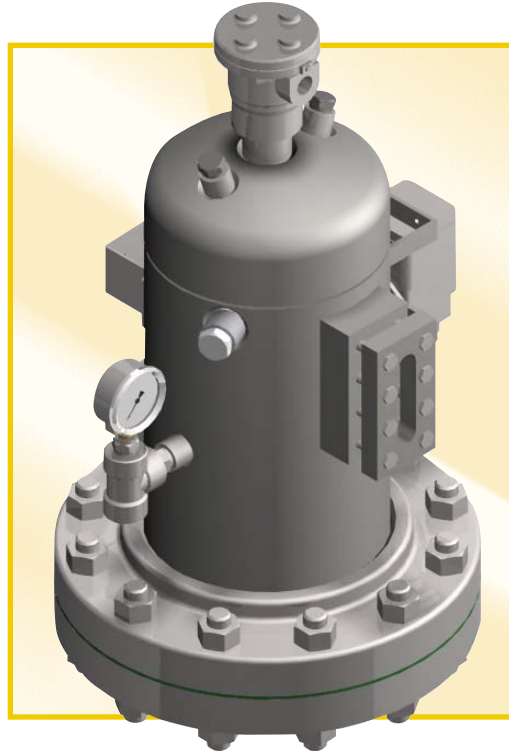




ENVIRONMENTAL TECHNOLOGY

AES-FV™



FEATURES

DESIGNED AND MANUFACTURED IN ACCORDANCE WITH ASME VIII DIV.1 & AD MERKBLÄTTER 2000 AND CERTIFIED BY TÜV TO COVER PED REQUIREMENTS

FLANGED CONSTRUCTION

ENHANCED MODULAR DESIGN

AVAILABLE AS AN ELECTRO-POLISHED OPTION

BENEFITS

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

• **EFFICIENT INTERNAL CLEANING OF THE VESSEL CAN BE PERFORMED**

• **AVAILABLE IN THREADED AS STANDARD OR FLANGED CONSTRUCTION**

• **SMOOTHER SURFACE FINISH RESTRICTS THE BUILD UP OF BACTERIA AND SUPPORTS EFFICIENT CLEANING.**

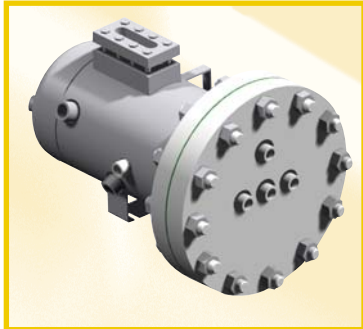


AESSEAL® - AES-FV™

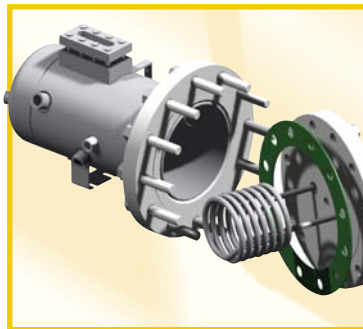
The AES-FV™ vessel forms the core of a robust, low maintenance and highly reliable barrier fluid System. This vessel was designed in response to the high end needs of the Chemical/Pharmaceutical industries. The vessel can be split to perform efficient internal cleaning and can be electro-polished (optional extra) to give a high level of finish, which inhibits the build up of contaminating bacteria. Both oil and water can be used as barrier fluids with the System, ensuring its compatibility on a wide range of industry pump applications. The AES-FV™ is designed and manufactured in accordance with ASME VIII Div.1 & AD Merkblatter 2000 and certified by TUV to cover PED requirements.

CLEANING FUNCTION

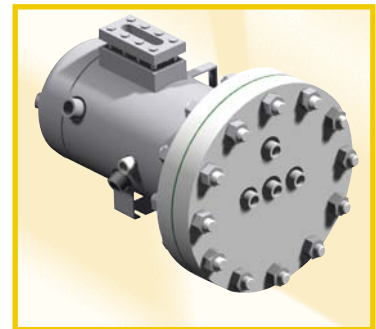
(Cooling Coil Option is Shown in the Models Below)



1. Safely remove the AES-FV from the pump application.



2. Unscrew the bolts and remove the bottom flange. This gives full access for cleaning.



3. Once cleaning is complete a new gasket must be used when re-attaching the flange to the vessel.

SPECIFICATIONS

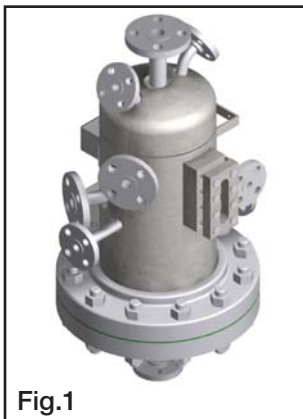


Fig.1

Standard offering:

System Vessel:

- Construction: 316 Stainless Steel
- Pressure Limit: 30 Bar / 435 psi
- Temperature Limit: 200°C / 392°F
- Capacity: 15 litres / 3.96 US Gallons

Weld Pad Level Gauge:

- Construction: 316 Stainless Steel
- Pressure Limit: 30 Bar / 435 psi
- Temperature Limit: 200°C / 392°F

Optional Extras:

- Fully Flanged Option (As shown in Figure 1)
- Cooling Coil
- Level Switch: Explosion proof and intrinsically safe options
- Pressure Switch: Explosion proof and intrinsically safe options
- Pressure Gauge: 316 Stainless Steel option available.
- Hand Pump - Oil & Water options
- Nitrogen Regulator Assembly

* For information on further AES-FV™ options please contact you local AESSEAL® representative.

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



WARNING

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