



ENVIRONMENTAL TECHNOLOGY

BUFFER FLUID SYSTEMS FOR DOUBLE SEALS



FEATURES

BENEFITS

FLOAT VALVE • **AUTOMATICALLY MAINTAINS WATER LEVEL IN THE TANK**

304 SS VESSEL CONSTRUCTION • **SUITABLE FOR A RANGE OF CHALLENGING ENVIRONMENTS**

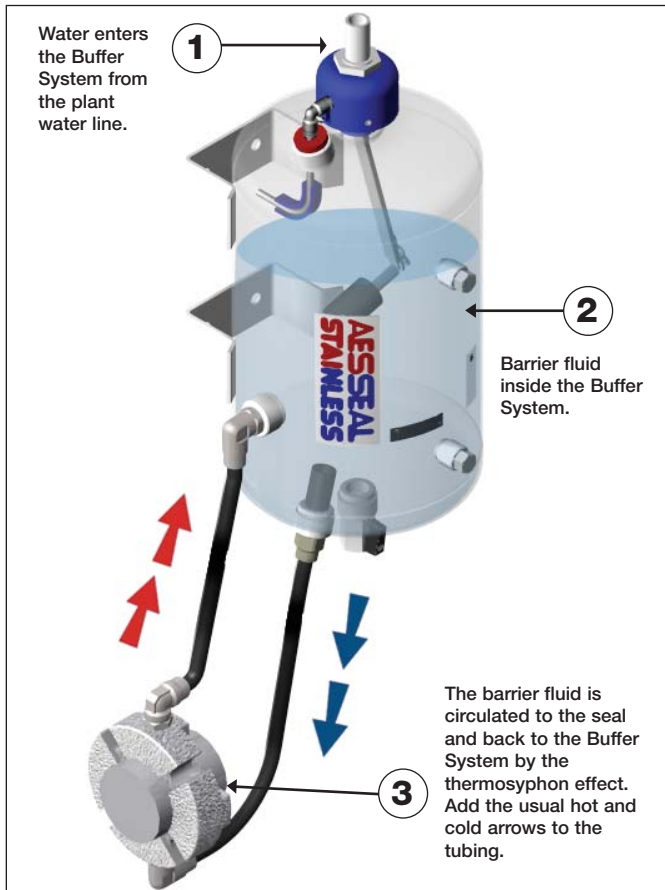
SUPPLIED AS A COMPLETE SYSTEM • **SYSTEM SUPPLIED WITH EVERYTHING REQUIRED FOR INSTALLATION**



AESSEAL® - Buffer Fluid Systems for Double Seals

The Buffer Fluid System is an easily installed, low cost and low maintenance sealant system. The Buffer System is designed for use with Double Mechanical seals on crystallizing, sedimentary or hot products. The buffer fluid from the vessel bathes the seal faces, preventing evaporation and overheating. This greatly increases the expected life of seals on duties such as starch, caustics, hot water (80°C / 176°F) and many others. When purchased as a complete system, flexible hoses, float valve and all fittings are supplied to allow direct connection to a cold water supply, thus eliminating the need for periodic topping up. The Buffer Fluid System operates under API plan 52 conditions. All Buffer Fluid Systems are designed to ASME VIII Div.1 and are compliant with European PED.

SPECIFICATIONS



Standard Offering:

Vessel:

- Construction: 304 Stainless Steel
- Pressure Limit: 16 Bar (230 psi)
- Temperature Limit: 100 °C (212 °F)
- Capacity: 10 litres (2.64 US Gallons), (25 litres (6.60 US gallons) option)
- Connections: 1/2" NPT for seal feed and return hoses*
- Designed to ASME VIII Div.1 and compliant with European PED
- Finish: White Powder Coat

Buffer System:

- Float Valve - Polypropylene Construction
- SS fittings
- Nylon Hose - 2 lengths provided (SS braided PTFE hose option available)



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

UK Sales & Technical advice:

AESSEAL plc
Mill Close
Templeborough
Rotherham
S60 1BZ
United Kingdom

Telephone: +44 (0) 1709 369966
Fax: +44 (0) 1709 720788
E-mail: seals@aes seal.com
Internet: <http://www.aes seal.com>

Copyright © 2006 AESSEAL plc

AES / DOC / IN 4082 09/2006

POLYFLON®

Handelsgesellschaft m. b. H.

YOUR POINT OF CONTACT FOR SEALING APPLICATIONS!

8020 Graz
Baumkircherstraße 3
Tel.: +43(0)316/71 10 89
Fax: +43(0)316/71 89 55
www.polyflon.at

2371 Hinterbrühl
Gadnerstraße 36b
Tel.: +43(0)2236/26 718
Fax: +43(0)2236/46 811
office@polyflon.at

AESSEAL plc recognise all trademarks and trademark names as the property of their owners. Registered Trademarks: AESSEAL® - AESSEAL plc

USA Sales & Technical advice:

AESSEAL Inc.
10231 Cogdill Road
Suite 105
Knoxville, TN 37932
USA

Telephone: +1 865 531 0192
Fax: +1 865 531 0571
E-mail: usa@aes seal.com

Systems Sales & Technical advice:

AESSEAL (MCK) Ltd.
139A Hillsborough Old Road
Lisburn
N.Ireland
BT27 5QE

Telephone: +44 (0) 28 9266 9966
Fax: +44 (0) 28 9266 9977
Tel/Fax Hotline: +44 (0) 28 9266 9988
E-mail: MCK@aes seal.com

ALL SIZES ARE SUBJECT TO MANUFACTURING TOLERANCES. WE RESERVE THE RIGHT TO MODIFY SPECIFICATIONS AT ANY TIME.

Reference Issue • L - UK/US - BUFFER - 08