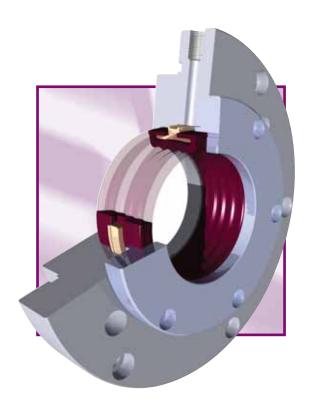


ISOSTM Inflatable Shut Off Seal



- FOR USE IN CONJUNCTION WITH RADIALLY DIVIDED SEALS
- ALLOWS EASIER AND QUICKER REPLACEMENT OF A MECHANICAL SEAL WITHOUT HAVING TO DRAIN EQUIPMENT
- ALLOWS REPLACEMENT OF SEAL WHEN PUMP SHUT OFF VALVES ARE FAULTY
- ELIMINATES THE NEED FOR PUMP SHUT OFF VALVES WHEN REPLACING SEAL
- NO REPRIMING OF PUMPS NEEDED AFTER SEAL REPLACEMENT
- ONCE INFLATED BY A SUITABLE AND CONTINUOUS SUPPLY IT FORMS A PRESSURIZED SEAL FOR ZERO PRODUCT LEAKAGE

Most engineers will relate to the problems encountered when installing or removing a radially divided mechanical seal from rotating equipment.

However, the biggest single problem is that the whole system has to be drained or isolated so that liquids do not pour out when the seal

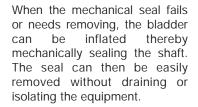
is removed. This can sometimes take hours or even days depending on the application - all lost production time.

Introducing the AESSEAL® ISOS™ the Inflatable Shut Off Seal, which solves this major problem.

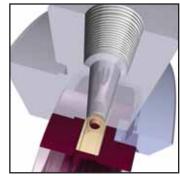
The ISOS™, which is fitted between the pump and radially divided seal, forms a separate seal when required, allowing the quick and easy removal of the mechanical seal.

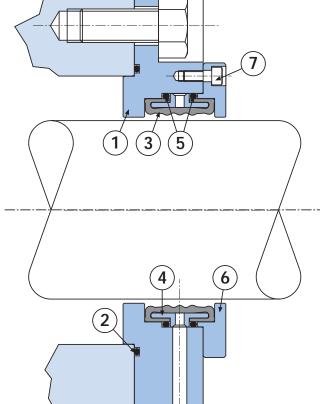
The ISOS™ works around the principle of surrounding the shaft with an inflatable elastomeric bladder. Under normal operating conditions, when the mechanical seal is working, the bladder remains unpressurized.





Note - can be pressurized by air or water.





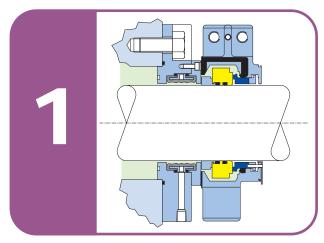
ISOS™ - Inventoried Bladder Sizes

iooo iiiioiiii	2 0.200
Imperial (Inches)	Metric (mm)
2.500	63
2.750	70
3.000	75
3.500	90
4.000	100
5.000	127
9.625	245

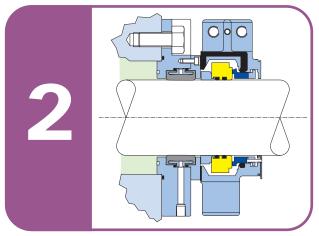
All metal components are designed to suit the application and made to order only.

Item	Description	Material
1	Main Housing	316L Stainless Steel
2	Housing O Ring	Viton® - EPR - Kalrez® - Aflas®
3	Inflatable Bladder	EPR
4	Inner Ring	316L Stainless Steel
5	Bladder O Ring	Viton® - EPR - Kalrez® - Aflas®
6	Cover Plate	316L Stainless Steel
7	Caphead Bolt	Stainless Steel

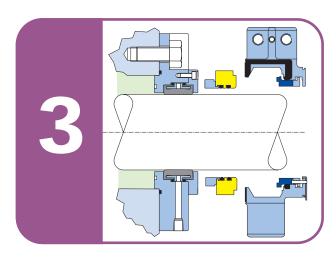




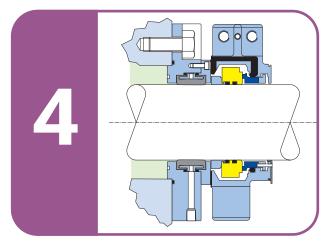
Seal in operation. The bladder is uninflated.



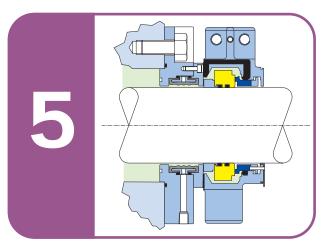
The pump is stopped, the Bladder is inflated and then seals onto the shaft. The radially divided seal can then be drained of fluid by its flush port.



Whilst the bladder is inflated the seal is replaced.



Bladder is still inflated and a new seal is installed.

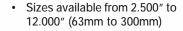


Bladder is deflated, the seal is primed and set to run again.

The AESSEAL® RDS™ (Radially Divided Seal) is an ideal seal to be used in conjunction with the ISOS™ due to its unique separation techology.

The RDS™ mechanical seal has been designed to be the fastest two-part seal to install in the market place and includes the following features:

- Minimum parts to assemble
- Patented assembled spring retainer
- External, visible indicator of correct installation
- Balanced stationary design with large internal clearances
- Unique patented 'O' Ring design







It represents a significant advancement in separation technology and bridges the gap between pump packing and conventional mechanical seals.

Significant product development and dynamic testing were med at ensuring that the ating performance of the RDS™ ıld be predictable.

This brochure is available by contacting the Marketing Department at marketing@aesseal.com or downloaded by visiting our website at www.aesseal.com

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.









INVESTOR IN PEOPLE

USE DOUBLE MECHANICAL SEALS WITH HAZARDOUS PRODUCTS. **ALWAYS TAKE SAFETY** PRECAUTIONS:



WEAR PROTECTIVE CLOTHING



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