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2009



THE QUEEN'S AWARDS
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ENVIRONMENTAL TECHNOLOGY

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LabTecta-RDS™

“The 21st Century Bearing Protector”
PATENT PENDING in over 39 countries.



“Radially Divided Seal”

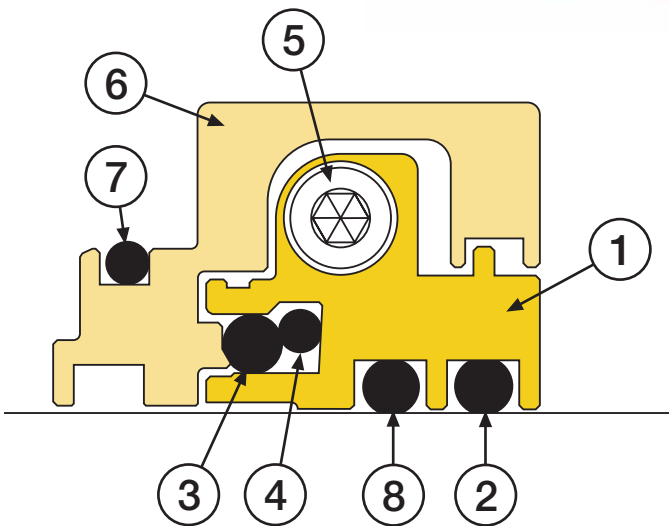
LabTecta-RDS™ - Radially Divided Seal

The AESSEAL® LabTecta-RDS™ provides a quick and cost effective alternative to dismantling large equipment to fit bearing seals. It can be tailored to suit any specific application whether it is a new build project or retrofitted to existing equipment.

Major benefits are:

- Extended bearing and equipment life
- Better protection against contamination ingress
- Easy installation
- Positive lubrication retention for the life of the equipment
- No shaft wear or damage to equipment

The LabTecta-RDS™ represents a significant advancement in separation technology.



| Item | Description | Material |
|------|--------------------------|-----------------|
| 1 | LabTecta™ Rotary | Phosphor Bronze |
| 2 | Outboard Rotor O Ring | Viton® |
| 3 | Arknian™ Shut Off Device | Viton® |
| 4 | Arknian™ Energizer | Viton® |
| 5 | Cap Head Bolts | Stainless Steel |
| 6 | Stator Housing | Phosphor Bronze |
| 7 | Stator Housing O Ring | Viton® |
| 8 | Inboard Rotor O Ring | Viton® |



Flange mounted LabTecta-RDS™ installed on a double ended pump (Case Ref: 3304)



100mm LabTecta-RDS™ installed on a gearbox (Case Ref: 3370)

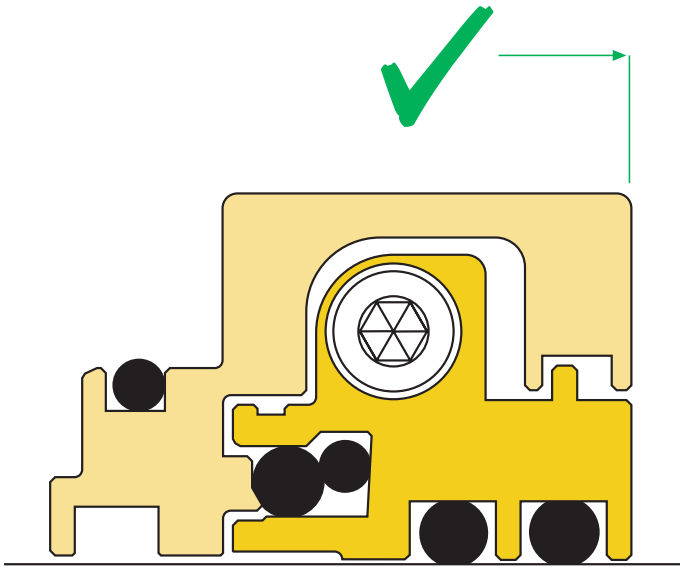
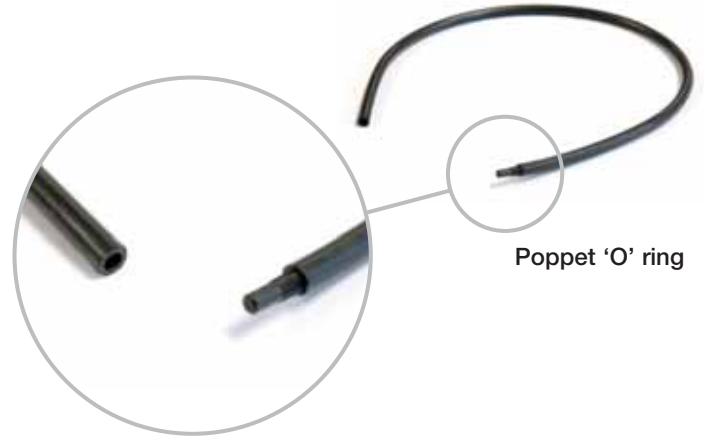


LabTecta-RDS-AX™ installed on a primary air fan (Case Ref: 3389)

LabTecta-RDS™ - Easy Installation

The unique design of the LabTecta-RDS™ means installation problems are a thing of the past. The entire assembly comprises of only two split metal parts and five 'O' rings.

The 'O' rings are 'poppet type' which means installation even in the tightest of places is relatively straight forward.



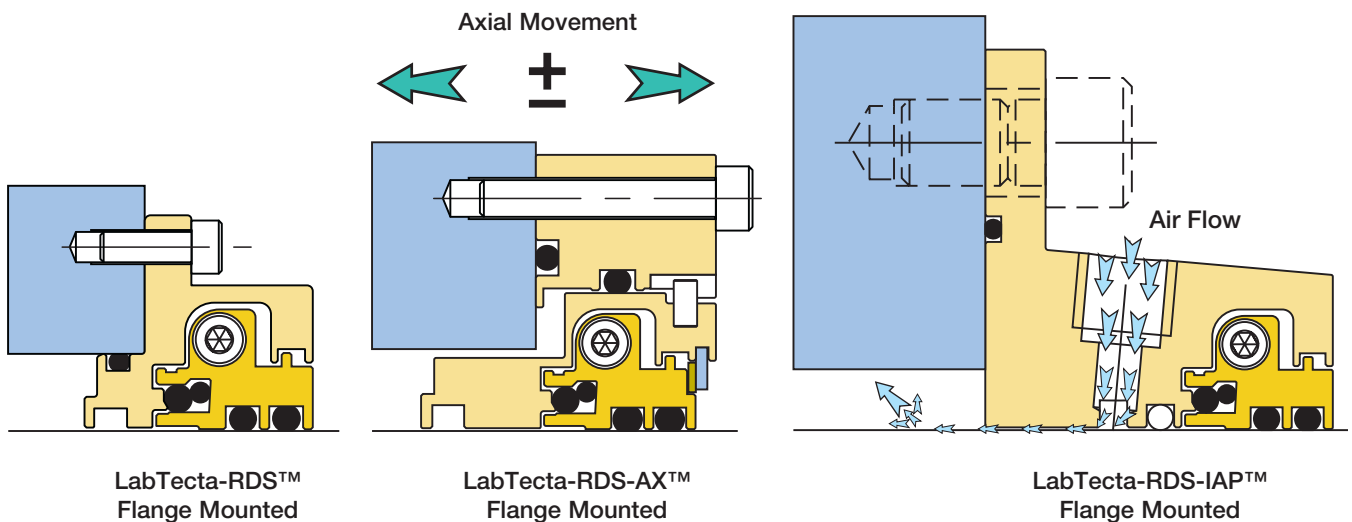
CORRECT installation 'made easy'

'NO NEED FOR SETTING CLIPS'

To ensure the LabTecta-RDS™ is installed correctly, simply check the rotary face sits flush with the stator face.

LabTecta-RDS™ - Alternative Designs

The LabTecta-RDS™ is also available in several configurations including flange mounted, axial movement and internal air-purge, giving even greater flexibility for your application. For further technical information or to enquire about pricing and delivery contact the Bearing Protection Division.



Sketch Housing Dimensions

Either use the "standard" diagram provided or sketch your own below.

Dimensions

ØA (Shaft Ø):

ØB (Housing Bore Ø):

ØC (First Obstruction on Face):

D (Max. Insertion):

E (First Obstruction):

Application Data:

Equipment type: Shaft Horizontal or Vertical:

Speed: Bearing Type:

Lubrication type/system: Max. Axial Movement:

Complete the information above and send to:

UK Fax: +44 (0) 1709 720788 USA Fax: +1 865 531 0571 E-mail: sales@labtecta.com

Further information about the AESSEAL® LabTecta™ range is available in the standard LabTecta™ brochure. Email sales@labtecta.com to request a copy or download it from our website - www.labtecta.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.



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

- GUARD YOUR EQUIPMENT
- WEAR PROTECTIVE CLOTHING



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