

LabTecta[®]66FS

Designed to seal oil flooded bearing chambers



- Eliminate the cause of over 50% of bearing failures
- Extended bearing and equipment life
- Better protection against contamination ingress
- More reliable sealing



LabTecta®66FS

Designed to seal “oil flooded” bearing chambers on equipment such as gearboxes.

The LabTecta®66FS incorporates recognised lip seal technology into AESSEAL’s advanced labyrinth design. The Labyrinth provides IP 66 ingress protection preventing both solids and moisture from entering the bearing chamber or damaging the integrated lip-seal. The lip-seal prevents the bearing oil from leaking. The assembly allows the lip seal to contact an integral sleeve ensuring that shaft wear is prevented.

General Specification

Size range

Standard Range – 16mm – 145mm, Large Range – 150mm – 305mm

Lip-seal Options

Carbon/ graphite filled PTFE, Virgin PTFE (Food Grade Compliant)

Elastomer options

FKM (standard), TFE/P, NBR, FFKM.

Metallurgy options

Phosphor bronze stator & 316L Stainless Steel rotor (standard)

316L Stainless Steel stator & rotor

Key features/ benefits

IP66 rated external labyrinth

Running surface optimised for lip-seal performance

Integral sleeve to prevent shaft wear caused by lip-seal

Optional ATEX certification available

Typical Duties

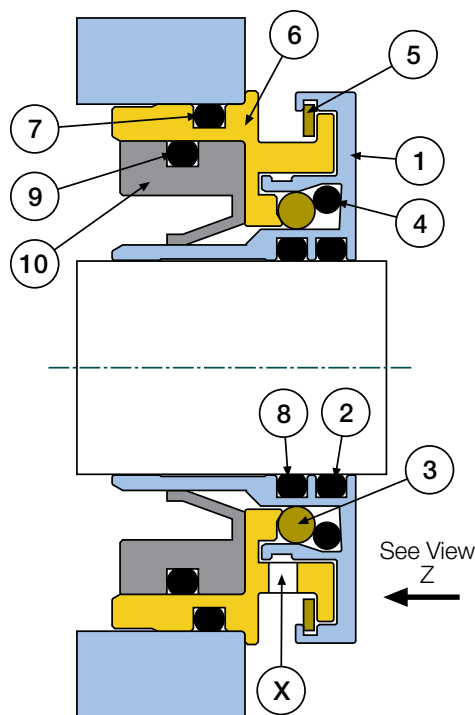
Peripheral speeds up to 20 m/s (5000 ft/min)

Temperatures up to 180°C (356°F)

Pressure up to 5 psig

ATEX Certified

Complying with ATEX directive 2014/34/EU, the LabTecta®66FS is available certified for use in Group I M2 (Mining) and Group II Cat 2 & 3 (Zone 1/21 & 2/22) equipment.



ITEM	DESCRIPTION	MATERIAL
1	LabTecta®66 Rotary	Stainless Steel
2	Outboard Rotor O Ring	FKM
3	Arknian™ Shut Off Device	Compound Elastomer
4	Arknian™ Energizer	FKM
5	Face Shield	Composite Material
6	Stator Housing	Phosphor Bronze
7	Stator Housing O Ring	FKM
8	Inboard Rotor O Ring	FKM
9	Lip Seal O Ring	FKM
10	Lip Seal	Composite PTFE

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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: **WARNING**
• Guard your equipment
• Wear protective clothing

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