

Bearing Protection

suitable for use with Warman® Pumps



- Advanced labyrinth seal design
- Flange mounted and press fit designs available
- Robust heavy duty design
- Shut-off valve to prevent bearing chamber breathing
- Proven to increase equipment reliability

Bearing Protection suitable for use with Warman® Pumps



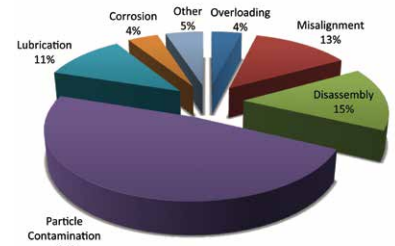
Eliminate the cause of over 50% of bearing failures

A major study into equipment reliability has shown **48%** of all bearing failures are due to particle contamination of the bearing oil, with an additional **4%** due to corrosion caused by water contamination.

This gives a total of **52% of bearing failures** caused by contamination of the bearing oil. The LabTecta®66 product family can prevent these failures.

Major benefits are:

- Advanced labyrinth seal design
- Flange mounted and press fit designs available
- PTFE grease inhibitor band for superior egress protection
- Robust heavy duty design
- Shut-off valve to prevent bearing chamber breathing
- Proven to increase equipment reliability
- Full range of end covers and stub shafts also available



Causes of Bearing Failure

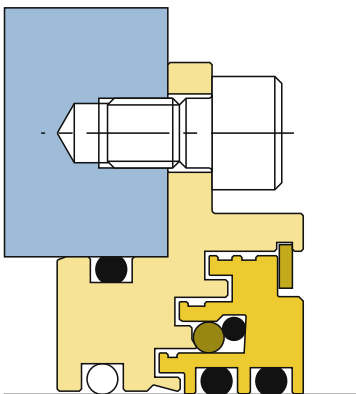


LabTecta®66 installed on equipment

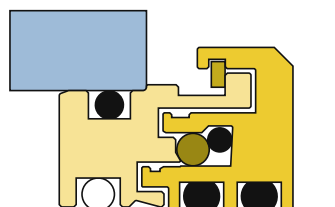


Flange Mounted

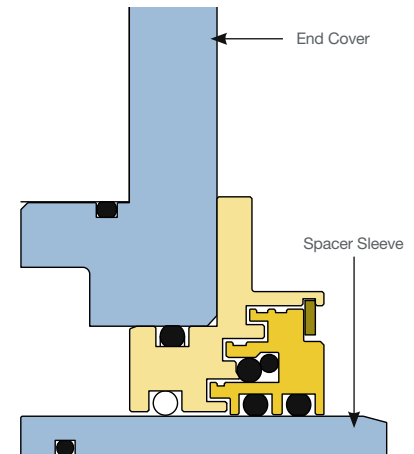
Press Fit



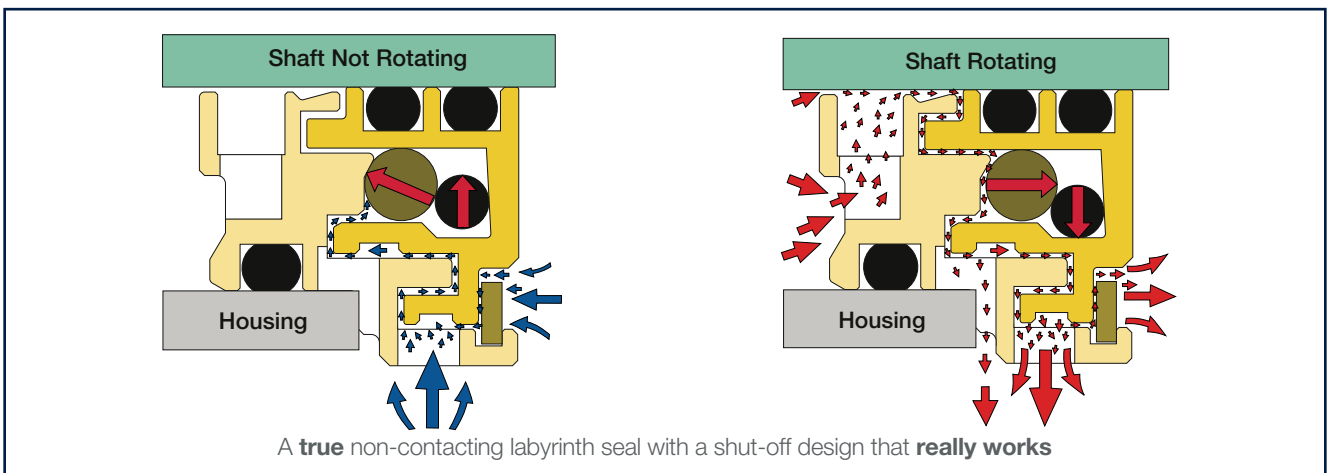
LabTecta®66 Warman® flange mount



LabTecta®66 Warman® press fit



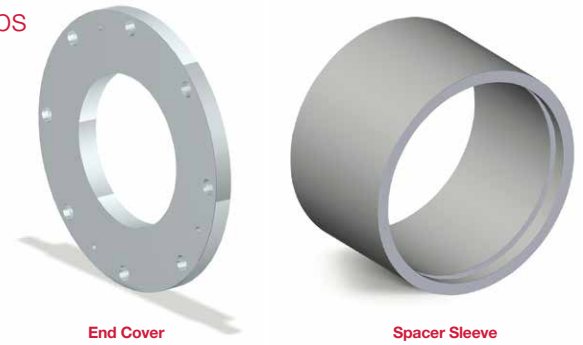
LabTecta®66 Warman®



LabTecta®66 integral moisture entry protection system

Bearing Protection suitable for use with Warman® Pumps

- Full range of end covers and stub shafts available
- Manufactured components or drawing pack can be supplied
- Adjustment screws for easy bearing setting
- Effective 'O' ring seal
- Robust heavy duty design
- Proven to increase equipment reliability
- For drawing pack order ref: L-WAR-DWG



Full drawing pack contains all drawings to enable stub shafts and end covers to be manufactured locally, offering the customer maximum flexibility and value

Bearing Assembly	End	Plate Assy Stock Code	Stub Assy Stock Code	Plate / Stub Stock Code	Shaft size (mm)	Housing bore (mm)	LabTecta®66 Stock Code
B005M	BOTH	L1-070-02B---WAR/01A	L1-050-01B---WAR/01A	L1-WAR01-B--01	50.0	70.0	LAM050PP001WARPM070
C005M	BOTH	L1-086-02C---WAR/01A	L1-060-01C---WAR/01A	L1-WAR02-C--01	60.0	86.0	LAM060PP001WARPM086
CC005M	PUMP	L1-086-02CC--WAR/01A	L1-060-01CC--WAR/01A	L1-WAR03-CC--01	60.0	86.0	LAM060PP001WARPM086
	DRIVE	L1-086-02CCD-WAR/01A	L1-060-01CCD-WAR/01A	L1-WAR04-CCD-01	60.0	86.0	LAM060PP001WARPM086
CAM005M	BOTH	L1-086-02C---WAR/01A	L1-060-01C---WAR/01A	L1-WAR02-C---01	60.0	86.0	LAM060PP001WARPM086
CCAM005M	PUMP	L1-086-02CC--WAR/01A	L1-060-01CC--WAR/01A	L1-WAR03-CC--01	60.0	86.0	LAM060PP001WARPM086
	DRIVE	L1-086-02CCD-WAR/01A	L1-060-01CCD-WAR/01A	L1-WAR04-CCD-01	60.0	86.0	LAM060PP001WARPM086
D005M	BOTH	L1-111-02D---WAR/01A	L1-085-01D---WAR/01A	L1-WAR05-D--01	85.0	111.0	LAM085PP001WARFM111
DD005M	PUMP	L1-111-02DD--WAR/01A	L1-085-01DD--WAR/01A	L1-WAR06-DD--01	85.0	111.0	LAM085PP001WARFM111
	DRIVE	L1-111-02DDD-WAR/01A	L1-085-01DDD-WAR/01A	L1-WAR07-DDD-01	85.0	111.0	LAM085PP001WARFM111
DAM005M	BOTH	L1-111-02D---WAR/01A	L1-085-01D---WAR/01A	L1-WAR05-D---01	85.0	111.0	LAM085PP001WARFM111
DDAM005M	PUMP	L1-111-02DD--WAR/01A	L1-085-01DD--WAR/01A	L1-WAR06-DD--01	85.0	111.0	LAM085PP001WARFM111
	DRIVE	L1-111-02DDD-WAR/01A	L1-085-01DDD-WAR/01A	L1-WAR07-DDD-01	85.0	111.0	LAM085PP001WARFM111
E005M	BOTH	L1-126-02E---WAR/01A	L1-100-01E---WAR/01A	L1-WAR08-E--01	100.0	126.0	LAM100PP001WARFM126
EE005M	PUMP	L1-153-02EE--WAR/01A	L1-127-01EE--WAR/01A	L1-WAR09-EE--01	127.0	153.0	LAM127PP001WARFM153
	DRIVE	L1-126-02EED-WAR/01A	L1-100-01EED-WAR/01A	L1-WAR10-EED-01	100.0	126.0	LAM100PP001WARFM126
EAM005M	BOTH	L1-126-02E---WAR/01A	L1-100-01E---WAR/01A	L1-WAR08-E--01	100.0	126.0	LAM100PP001WARFM126
EEAM005M	PUMP	L1-153-02EE--WAR/01A	L1-127-01EE--WAR/01A	L1-WAR09-EE--01	127.0	153.0	LAM127PP001WARFM153
	DRIVE	L1-126-02EED-WAR/01A	L1-100-01EED-WAR/01A	L1-WAR10-EED-01	100.0	126.0	LAM100PP001WARFM126
F005M	BOTH	L1-158-02F---WAR/01A	L1-127-01F---WAR/01A	L1-WAR11-F--01	127.0	158.7	LAM127PP001WARFM158
FF005M	PUMP	L1-176-02FF--WAR/01A	L1-152-01FF--WAR/01A	L1-WAR12-FF--01	152.4	176.7	LAM152PP001WARFM176
	DRIVE	L1-176-02FFD-WAR/01A	L1-152-01FFD-WAR/01A	L1-WAR13-FFD-01	152.4	176.7	LAM152PP001WARFM176
FAM005M	PUMP	L1-158-02FAM-WAR/01A	L1-127-01FAM-WAR/01A	L1-WAR14-FAM-01	127.0	158.7	LAM127PP001WARFM158
	DRIVE	L1-158-02F---WAR/01A	L1-127-01F---WAR/01A	L1-WAR11-F--01	127.0	158.7	LAM127PP001WARFM158
FRS005M	PUMP	L1-158-02FRS-WAR/01A	L1-127-01FRS-WAR/01A	L1-WAR15-FRS-01	127.0	158.7	LAM127PP001WARFM158
	DRIVE	L1-158-02F---WAR/01A	L1-127-01F---WAR/01A	L1-WAR11-F--01	127.0	158.7	LAM127PP001WARFM158
FFAM005M	PUMP	L1-176-02FFAMWAR/01A	L1-152-01FFAMWAR/01A	L1-WAR16-FFAM01	152.4	176.7	LAM152PP001WARFM176
	DRIVE	L1-176-02FFD-WAR/01A	L1-152-01FFD-WAR/01A	L1-WAR13-FFD-01	152.4	176.7	LAM152PP001WARFM176
FFRS005AMX	PUMP	L1-176-02FFRSWAR/01A	L1-152-01FFRSWAR/01A	L1-WAR17-FFRS01	152.4	176.7	LAM152PP001WARFM176
	DRIVE	L1-176-02FFD-WAR/01A	L1-152-01FFD-WAR/01A	L1-WAR13-FFD-01	152.4	176.7	LAM152PP001WARFM176
G005M	PUMP	L1-209-02G---WAR/01A	L1-177-01G---WAR/01A	L1-WAR18-G---01	177.8	209.5	LAM177PP001WARFM209
	DRIVE	L1-209-02GD--WAR/01A	L1-177-01GD--WAR/01A	L1-WAR19-GD--01	177.8	209.5	LAM177PP001WARFM209
GAM005M	PUMP	L1-209-02G---WAR/01A	L1-177-01G---WAR/01A	L1-WAR18-G---01	177.8	209.5	LAM177PP001WARFM209
	DRIVE	L1-209-02GD--WAR/01A	L1-177-01GD--WAR/01A	L1-WAR19-GD--01	177.8	209.5	LAM177PP001WARFM209
GAM005M-1	PUMP	L1-209-02GH--WAR/01A	L1-177-01GH--WAR/01A	L1-WAR20-GH--01	177.8	209.5	LAM177PP001WARFM209
	DRIVE	L1-209-02GD--WAR/01A	L1-177-01GD--WAR/01A	L1-WAR19-GD--01	177.8	209.5	LAM177PP001WARFM209
GP005M	PUMP	L1-209-02G---WAR/01A	L1-177-01G---WAR/01A	L1-WAR18-G---01	177.8	209.5	LAM177PP001WARFM209
	DRIVE	L1-209-02GP--WAR/01A	L1-177-01GP--WAR/01A	L1-WAR21-GP--01	177.8	209.5	LAM177PP001WARFM209
GG005-2	PUMP	L1-234-02GG--WAR/01A	L1-203-01GG--WAR/01A	L1-WAR22-GG--01	203.2	234.8	LAM203PP001WARFM234
	DRIVE	L1-222-02GGD-WAR/01A	L1-190-01GGD-WAR/01A	L1-WAR23-GGD-01	190.5	222.2	LAM190PP001WARFM222
HG005	PUMP	L1-260-02HG--WAR/01A	L1-228-01HG--WAR/01A	L1-WAR24-HG--01	228.6	260.3	LAM228PP001WARFM260
	DRIVE	L1-260-02HG--WAR/01A	L1-228-01HG--WAR/01A	L1-WAR24-HG--01	228.6	260.3	LAM228PP001WARFM260
S005M	PUMP	L1-176-02S---WAR/01A	L1-152-01S---WAR/01A	L1-WAR25-S---01	152.4	176.7	LAM152PP001WARFM176
	DRIVE	L1-176-02SD--WAR/01A	L1-152-01SD--WAR/01A	L1-WAR26-SD--01	152.4	176.7	LAM152PP001WARFM176
T005	PUMP	L1-222-02T---WAR/01A	L1-190-01T---WAR/01A	L1-WAR27-T---01	190.5	222.2	LAM190PP001WARFM222
	DRIVE	L1-222-02TD--WAR/01A	L1-190-01TD--WAR/01A	L1-WAR28-TD--01	190.5	222.2	LAM190PP001WARFM222

Please verify sleeve and plate dimensions prior to ordering.



EXPERIENCE THE EXCEPTIONAL

To experience the exceptional, please contact your local representative. Discover full details on our website:

www.aesseal.com

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:



WARNING

- Guard your equipment
- Wear protective clothing

UK Sales & Technical advice:

AESSEAL plc
Mill Close
Bradmarsh Business Park
Rotherham, S60 1BZ, UK
Tel: +44 (0) 1709 369966
Fax: +44 (0) 1709 720788
E-mail: seals@aesseeal.com
www.aesseal.com

AESSEAL plc is certified to ISO 9001, ISO 14001, ISO 29001, ISO 50001 and OHSAS 18001.

'Our purpose is to give our customers such exceptional service that they need never consider alternative sources of supply.'



USA Sales & Technical advice:

AESSEAL Inc.
355 Dunavant Drive
Rockford,
TN. 37853, USA
Tel: +1 865 531 0192
Fax: +1 865 531 0571
E-mail: usa@aesseeal.com
www.aesseal.com

Important: Since the conditions and methods of use of this product are beyond our control, AESSEAL plc expressly disclaims any and all liability resulting or arising from any use of this product or reliance on any information contained in this document - AESSEAL plc standard conditions of sale apply. All sizes are subject to manufacturing tolerances. We reserve the right to modify specifications at any time. AESSEAL® is a Registered Trademark of AES Engineering Ltd, AESSEAL plc recognizes all trademarks and trademark names as the property of their owners.

Warman® is a registered trademark of Weir Minerals Australia Ltd and Weir Group African IP Ltd

LIT-UK-L-Lab-W-02PDF Copyright © 2019 AESSEAL plc 04/2019