

Tenute Meccaniche / O-Rings

Industria Chimica, Alimentare & Farmaceutica



Dairy products



Dough



Sauces



Confectionery



Meat



Pharmaceuticals



Oil



Honey



Pulps



Syrups



Dairy products



Juices



Alcoholic drinks



Purified Water



Oil

A PUMP SEAL FOR EVERY APPLICATION

www.vsp-italia.it

info@vsp-italia.it

Tenute Meccaniche / O-Rings

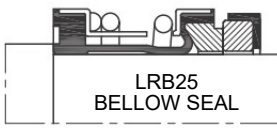
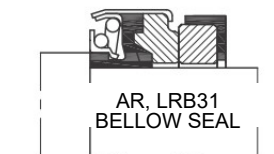
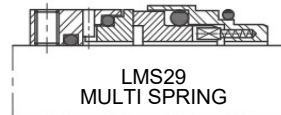
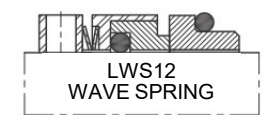
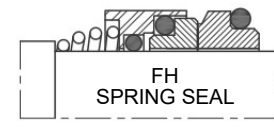
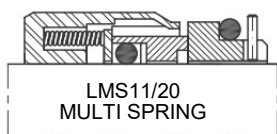
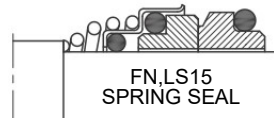
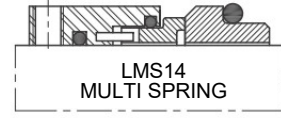
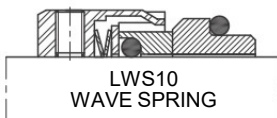
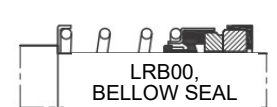
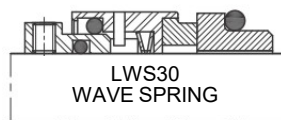
ABS ®
 Afec ®
 Alfa Laval ®
 Allweiller ®
 Armstrong ®
 Apec ®
 APV ®
 Bornemann ®
 Calpeda ®
 CN-Pumps®
 CSF ®
 Ebara ®
 EMU ®
 Flygt ®
 Frick ®
Fristam ® ORIGINAL PARTS
 Gorman - Rupp ®

Grasso ®
 Grundfos-Sarlin ®
 Herborner ®
 Hidrostal ®
 Hilge ®
 Hisaka ®
 Howden ®
 Imo ®
 Inbeat ®
JabSCO ® ORIGINAL PARTS
JEC Pump ® ORIGINAL PARTS
 KSB ®
 Lowara ®
 Marelli ®
 Movex ®
 Mycon ®
 Nikuni Pumps ®

Nochi ®
Packo ® ORIGINAL PARTS
 Pedrollo ®
 Pumpex ®
 Sabroe ®
 Salmson ®
 Sedical ®
 Someflu ®
 Suntec ®
 Tsurumi ®
 Tuchenhagen ®
 Viking ®
 Waukesha ®
 Wilo ®
 Witt ®

COMPONENTI
 Industria Birra
 Industria Casearia

Identificazione tenute



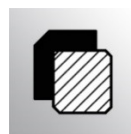
Identificazione Sedi



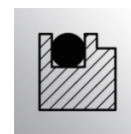
SHAPE L Seat,
with oring without
antirotation pin



SHAPE L1 Seat,
with oring with
antirotation pin



SHAPE C Seat
with cup



SHAPE A Seat
with oring



SHAPE T Seat
with flat gaskets

ABS ®

	AB30-25, AB30-48, AB30-65, AB30-80, AB30-90, AB30-100
	AB-SH-32, SH-40, SH-50, SH-45, SH-55, SH-60, SH-65, SH-70
	LRB17, AB-107-25, AB-107-90



Alfa Laval ®



	AL - E - 22
	AL - I - 22
	AL- EMR-27 AL -E-27
	AL-A-22
	AL-ALS-45
	AL-C-40, AL-C-53 AL-C-60
	AL-CQ-32
	AL-CQ-50.8
	AL-D-22, AL-D-41.28 AL-D-317
	AL-E-32
	AL-F-55 AL-F-75
	AL-GN-25 AL-GN-30
	AL-HCL-20, HCL-25, HCL-30, HCL-35 HCL-40

	AL-IB-30 AL-IB-50.8
	AL-LK-32 AL-LK-40
	AL-N-22
	AL-PF-38.1
	AL-PR-38.1. ML-38.1 AL-PR-50.8, ML-50.8
	AL-S-20, S-30 S-35, S-45, S-55, S-75
	AL-SD-20, AL-SD-30 AL-SRU-45 AL-SRU-55
	AL-SRU-30 AL-SRU-45 AL-SRU-55
	AL-SX-45, AL-SX-70
	AL-TC-19.05 AL-TC- 28.6 AL-TC- 38.1

Allweiller ®

	AW-SP-15 AW-SP-20
	LS18

APV ®





	AP-APV WD-40 AP-WD-55 AP-WD-80
	AP-H-28.60, AP-H- 47.60 AP-H-53.90
	AP-HCH-60
	AP-P-25.4 AP-P-38.1


	AP-R-20, AP-R-25 AP-R-30
	AP-S-35
	AP-SIM-25
	AP-W-25 AP-W-35
	AP-WF-25 AP-WF-35
	AP-WP-25 AP-WP-35

Bornemann ®




	A-2840 A-4055
	B-2840 D-2840



Calpeda ®

	AR / LRB31
	CP-155-1820 FN / 155
	CP-SH-15

CSF ®

	LMS15D-28 LMS15D-43
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Ebara ®

	EB-12-S
	EB-15-D, EB-3035, EB-40-D, EB-45-D, EB-4045, EB-4550

Fristam® ORIGINAL

	Centrifugal pump FP
	Centrifugal pump FPX
	Centrifugal pump FPE
	Centrifugal pump FPH High Pressure
	Multistage Centrifugal Pump FM
	Self Priming pump FZ
	POWDER/LIQUID Shear pump FSP
	POWDER Intake PE
	POWDER Dissolver PL
	POWDER Mixer PM
	FDS Twin Screw pump
	Lobe Pump FL
	Lobe Pump FL2
	Lobe Pump Positive Displacement FKL
	Lobe Pump Positive Displacement FK

Grundfos-Sarlin®




	CQ-GR-13, CQ-GR-16 CQ-GR-15
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	GR-A-12, GR-A-16 GR-A-22
	GR-AC-12 GR-AC-16
	GR-A-LG-22
	GR-B-12, GR-B-16
	GR-B-15, B-22, B-28, GR-B-33, B-38, B-45 B-48, B-65 
	GR-B-32
	GR-B-SH-12 GR-B-SH-16
	GR-C-12-12
	GR-C-12-A
	GR-SA-16, GR-SA-25 GR-SA-35
	GR-SA-30-SUP, SA-38-SUP, SA-50-SUP, SA-65-SUP
	GR-SA-32-INF, SA-38-INF SA-50-INF, SA-65-INF
	GR-SA-38-SPRING
	GR-SA-4355
	GR-SA-65
	GR-SA-LG-65
	GR-SE-22, GR-SE-32
	H-12, H-16 H-22

Hilge®

	HG-19-S, HG-28-S HG-38-S
	HG-28
	HG-28-SP
	HG-30-SP
	HG-NV-45
	RN/LS60

Jabsco® ORIGINAL

	JA-LH-31'75, JA-LH-47'6
	JA-LH-25'4-C 

Johnson®

	272-IN-28, 272-IN-35 272-IN-50
	JH-AC-24, JH-AC-40 JH-AC-60
	JH-LP-35, JH-LP-50 JH-LP-70
	JH-TW-30 JH-TW-48 JH-TW-63

KSB®

	KS-D-40
	KS-LSC-65

KSB ®

	KS-RB-28
	LWS10

Lowara ®

	LW-155-14, 155-22 155-28, 155-33
	LW-B-16 , LW-B-22 LW-B-25
	LW-FH-12, LW-FH-16, LW-FH-22, LW-FH-25








Marelli ®







	Marelli ®
	LRB17KU-L60

Packo ®


ORIGINAL



	Centrifugal Pump
	Centrifugal airhandling (CIP return) Pump
	Centrifugal Channel impeller Pump
	Centrifugal High Pressure Pump
	Centrifugal Large free passage Pump
	Centrifugal Multistage Pump
	Centrifugal Self Priming Pump

	Centrifugal WFI
	Lobe Pump Positive Displacement ZP
	Lobe Pump ZL
	Twin Screw pump ZS
	Shear Centrifugal
	Shear Centrifugal Colloid mill



Pedrollo ®

	PD-VX-20
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Pumpex ®

	PX-KP-40 PX-KP-50
	PX-INF-25
	PX-SUP-25 PX-SUP-PC-25


Sabroe ®

	SB-MB-35, SB-MB- 44.45 SB-MB-60
	SB-MZ-75



Someflu ®

	SF-HMPS-22 SF-SP-160
	SF-HMPN-22


Suntec ®

	SNT-A-25
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Tsurumi ®



	TS-H2530, TS-H3035 TS-H3540, TS-H4550
	TS-W-14-HL, W-14-VL H20T, H30T, H45, H60, H25, H35, HT40

Tuchenhagen ®

	TN-HG-25, TN-HG-30 TN-HG-32 ,TN-HG-35 TN-HG-60
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Viking ®



	VI 100-31,75
	VI 101-36,5

Waukesha ®



	C+ 110 - 114 - 216 - 218 - 328 - 4410
	WK-T-30, WK-T 40WK-T-50, WK-T-60
	WK-TC-40 WK-TC- 60WK-TC-50

Wilco ® - Witt ®



	LRB17
	W-MS-30
	WT-28 WT-28L

O-Rings

Se hai bisogno di O-ring Norsok M710 AED (decompressione antideflagrante), O-ring di grado alimentare (FDA) o stai cercando O-ring di acqua potabile. Spediamo in tutto il mondo con i migliori corrieri.

ACM



The ACM O-ring offers good resistance to mineral oils at high temperatures. It can handle temperatures from -30 °C to + 160 °C.

CR - Neoprene - 70 Shore A



The CR O-rings offers good resistance to bending cracks, Ozone and weather environments. It can handle temperatures from -40°C to + 110°C.

ECO



ECO O-rings are good resistance against mineral oils, fuels and ozone. It can handle temperatures from -30°C to +150°C

EPDM



EPDM O-rings are flexible, have a good resistance to many acids, water and steam. It can handle temperatures from -50°C to +150°C

FEP Encapsulated



FDA

FEP O-rings are more flexible than PTFE. The FEP O-rings have an FDA seal. It can handle temperatures from -55 °C to + 200 °C.

FEPM Aflas®



O-rings are good resistance to high temperatures. It can handle temperatures from 0°C to +235°C.

FFKM Kalrez®



FFKM O-rings are O-rings that can be most stressed chemically and thermally. It can handle temperatures from -40°C to +340°C.

FKM - FPM - Viton



FKM O-rings are shock resistant and resilient and resistant to oils and greases. It can handle temperatures from -40°C to +230°C.

HNBR



HNBR O-rings are well resistant to oils and acids. It can handle temperatures from -40 °C to +150 °C.

NBR - Nitrile



NBR O-rings have a good resistance to chemicals, oils and greases. It can handle temperatures from -30 °C to +135 °C.

PTFE Teflon FDA



FDA

PTFE O-rings have an FDA seal. This means they can be safely used in the food industry. It can handle temperatures from -260°C to +200°C.

VMQ - MVQ - Silicone



O-rings are resistant to bacteria, fungi and chemical fluids. It can handle temperatures from -50°C to +210°C.



Industria della birra

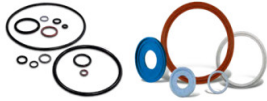
GUARNIZIONI

Materiali resistenti alle alte temperature (scambiatori di calore nelle diverse fasi di raffreddamento).



O-Ring e Guarnizioni Clamp

Realizzato con materiali speciali resistenti a prodotti alcalini e alte temperature.



Soffietti

Per proteggere le macchine dallo sporco e da schizzi.

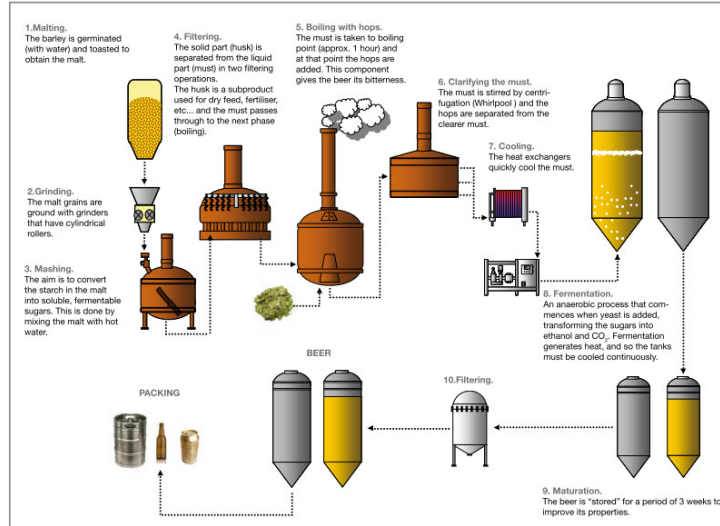


Tenute

con disegni speciali utilizzato per i processi di filtrazione (eliminazione del lievito).



Oil Seal e Cuscinetti
Usati nel malto e nella macinazione operazioni e nei macchinari durante la fase di cottura.



Cinghie e Catene
le macchine utilizzate per trasportare pallet, necessitano di cinghie, giunti e catene



Industria Lattiero Casearia

GUARNIZIONI

per Tank e Passi d'uomo



O-Ring e Guarnizioni Clamp

Realizzato con materiali speciali resistenti a prodotti alcalini e alte temperature.



Guarnizioni Piatte

In materiali che possono resistere alle alte temperature negli scambiatori di calore e valvole.



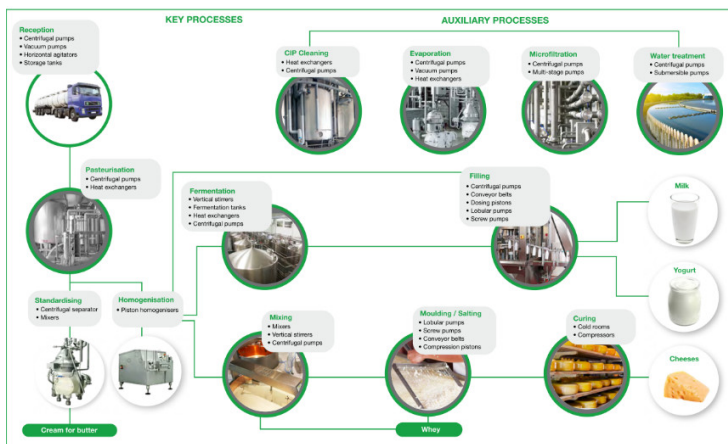
Tenute

Per pompe centrifughe monostadio e Multistadio, pompe sommerse, a Lobi e a vite, per compressori a vite e agitatori.



Guarnizioni stelo/pistone e membrane

Guarnizioni in elastomero, poliuretano o materiali PTFE con riempimento in silicone per macchine dosatrici e per pompe a pistoni e omogeneizzatori.





EC 1935/2004

European regulation about food materials and articles intended to come into contact with food. Guidelines about the traceability and the use of materials that do not deteriorate the color, flavor, smell or taste of the properties of the food.



Additional regulation on top of EC1935/2004 is the EC10/2011 for plastic materials and articles intended to come into contact with foodstuffs. It concerns a.o. ion exchange resins, rubber and silicones.

ASME BPE

Standard for the design and construction of equipment used in the manufacturing of biopharmaceuticals and pharmaceutical industry.



The European Hygienic Engineering and Design Group has defined European standards for process equipment in hygienic environments. It concerns cleanability, engineering and design of process equipment



This American standard specifies criteria for the design and fabrication of equipment that comes into contact with food. The guiding purpose of 3-A sanitary standards is to protect public health by using sanitary certified equipment.



ATEX is a European Directive 2014/34/EC for explosion-proof electrical and mechanical equipment, components and protective systems. It concerns the manufacture of products which are used in potentially explosive atmospheres.



The American Food and Drug Association is an organization that gives references for food and pharmaceutical products to stipulate and classify substances that are compliant.



The United States Pharmacopeia (USP) has defined the minute standards to safeguard the quality of medicines and other health care technologies for pharmaceutical and bio-technology industries. There are guidelines for quality, purity, strength and consistency.



Minimum Efficiency Index, guideline for efficiency of pumps. This index gives a percentage from the sold pumps in the market on a certain moment with a low hydraulic efficiency on BEP. From 01/2015 MEI ≥ 0.4. 95% of our centrifugal pumps complies to MEI.



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