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**Solutions for
Plate Heat
Exchangers**



▶ LAYGO gaskets is a company that works in the manufacture of Gaskets and Plates for Plate Heat Exchangers.

After over 30 years' experience and thanks to the technical ability of our R+D laboratory, we have achieved our own formulations, so enabling us to manufacture gaskets adapted to the requirements and technical specifications of our customers.

Our wish is to offer you the very best quality. We have a team of experts in the manufacture and processing of elastomers and a fully-equipped laboratory to guarantee the quality of our products.





It is very important to have the necessary resources. LAYGO Gaskets has the personnel, tools and complete facilities for the design and supply of its gaskets.

What are the secrets of a Quality Gasket for your Exchanger ?

FIND OUT BELOW AND DECIDE

- ▶ MANUFACTURE OF THE MOULD
- ▶ PROPRIETARY FORMULAS
- ▶ ISO 9001 CERTIFIED COMPANY
- ▶ DEVELOPMENT OF BESPOKE APPLICATIONS.
- ▶ TWELVE-MONTH GUARANTEE AGAINST ANY MANUFACTURING DEFECT.



THE MOST COMPLETE RANGE

We are proud to offer the most extensive range on the market, with a variety of grades to suit your application and needs.

Alfa Laval

Cetetherm

Hisaka

AGC Engineering

Schmidt Bretten

Reheat

APV/SPX

Vicarb

Junkers

Funke

Tranter

Stork/
Pierre Guerin

GEA

Fischer

Rosenblads

Chester Jensen

ITT Standard

Bell & Gossett

Sondex

Swep

Barriquand

Paul Mueller

Tetra Pak

Thermowave

► The new Laygo®T50 gasket

After a painstaking study by our R+D department, we have been able to develop the Laygo®T50 in a single piece, unlike other manufacturers, which develop them in two joined units, which impairs its resistance over time.

The dimensions of the Laygo® T50 plate heat exchanger gasket are 3400 mm x 1320 mm and it is available in all our usual materials: NBR, EPDM, FPMG, HNBR, etc.

GUARANTEE OF COMPATIBILITY: All of our manufactured products are 100% compatible with OEM equipment.

This guarantee ensures that the Laygo® gasket or heat exchanger plate will fit your plate heat exchanger perfectly and you can use them with complete peace of mind.





DEADLINES

We place a special value on the delivery deadlines of your gaskets and plates.

We have sufficient stocks of raw material and finished product so that you can have your gaskets in a very short lead time.

If you would also like annual supply programmes to optimise your maintenance downtime, Laygo gaskets can offer you a bespoke solution.

GUARANTEES

Laygo® gaskets have a **1 YEAR GUARANTEE** against any manufacturing defect. Please consult our general sale terms and conditions and guarantee..

Laygo Gaskets S.L. is an ISO 9001:2008 certified company as manufacturer of gaskets for plate heat exchangers.



MOULDS

The quality of Laygo® gaskets is also the result of the mould being manufactured using our latest-generation resources, most notably:

- ▶ CAD/CAM centre
- ▶ Three CNC units (up to 4000x1600mm)
- ▶ Mould surface grinder
- ▶ CNC numerical control lathe
- ▶ Mould maintenance workshop

Thanks to this equipment and the team of professionals in charge of this production area, we are able to develop a production-ready mould in 30 days.

We are the only manufacturer capable of manufacturing a 3500x1500 mm gasket for plate heat exchangers **IN A SINGLE PART**.

At Laygo we have over 650 moulds for different models of gasket.

The development of the mould at our facilities enables us to:

- » Speed up tooling times and cut handling costs due to transport.
- » Have the gasket prototypes in situ for checking before entering the production system and guaranteeing the end result.
- » In the event of evolution of the gasket profiles, modify them in a very short space of time.





100% PRESS CURING

Laygo gaskets is the only gasket manufacturer for heat plate exchangers worldwide that carries out the rubber vulcanisation process 100% in the press.

The advantages are evident:

Greater chemical resistance, greater resistance to temperature, perfect chemical cross-linking, greater lifetime of the elastomer, etc

The post-curing system used by other manufacturers obtains a lower-cost product but a gasket of inferior quality.

GRADES

The materials used in Laygo® gaskets are many and varied. This is why we have the entire range demanded by the market to be able to offer you the best solution with the quality that speaks for itself.

We include the following materials:

NITRILE (NBR)

EPDM

HYPALON

SILICONE

NEOPRENE

BUTYL HT etc.

HYDROGEN NITRILE (HNBR)

EPDM-HT

BUTYL RESIN CURED

FLUORELASTOMER A/B

FLUORELASTOMER G/F

LAYGO GASKETS AND THE ENVIRONMENT

Not only do we care for the quality of our manufactured products and our services. Respect and care for the environment are also one of our aims. Our future and that of those who follow us being better and cleaner depends on this. We have the necessary facilities to prevent waste that damages our environment. For us and for you.



LAYGO gaskets understands that care for the environment is the task of every manufacturing company.

We are a company committed to this.

Rubber that has already been vulcanised is not reused in the gaskets that we manufacture

This is why we send this sub-product for recycling. This contribution is not gratuitous because apart from the fees we pay, we achieve the following:

- We reduce greenhouse gas emissions.
- We provide raw materials for other products, such as asphalt compounds, flooring for children's playgrounds and sports surfaces, etc.
- We collaborate proactively in caring for the environment.

- ▶ **We recycle**
- ▶ **We make the most of energy resources**
- ▶ **We reduce consumption**
- ▶ **We reduce emissions**





HEAT EXCHANGER PLATES

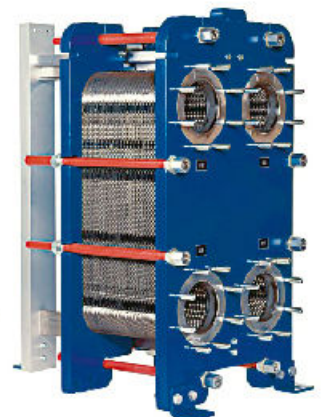
We have replacement plates for plate heat exchangers, in both OEM versions and **Laygo® countertype plates**, that are 100% compatible with your plate heat exchanger.

Several of the models are available for immediate delivery, while we offer bespoke solutions, in any event, so that your production is not affected by any problems arising from faults in the plate heat exchanger. Just ask and we will provide bespoke solutions.

LAYGO GASKETS IN THE HEATING AND COOLING INDUSTRY

From large-scale HVAC installations to centralised cooling installations. Plate heat exchangers are in demand worldwide for these hot and cold applications. Large machines for big flows in District Heating and District Cooling applications.

In this segment, we can also highlight the size of the plate heat exchangers. Given the development capacity of Laygo gaskets, we have developed gaskets of up to 3400 mm in length in a single piece.



LAYGO GASKETS IN THE FOOD INDUSTRY

Plate heat exchangers are widely used in the Food Industry. The following are some of the typical applications:

» DAIRY SECTOR:



Reception of milk: Cooling of the raw milk from 15 to 4°C using plate heat exchangers.

Pasteurisation-thermisation: The product is treated up to 75°C in multi-stage pasteurisers.

UHT treatment: In these plate heat exchangers, product temperatures of up to 147°C are reached.

» BREWERY SECTOR:



Cooling of the must using plate heat exchangers for large volumes.

Flash pasteurisation of keg beer.

Beer coolers for packaging.

» DRINKS AND SOFT DRINKS SECTOR:



Syrup plant: Cooling and heating using plate heat exchangers.

Drink pasteurisation in plate heat exchangers.

Cooling of finished drink prior to packaging.

» WINE AND LIQUEURS SECTOR:



Cooling of the must using plate heat exchangers.

Pasteurisation of wine at low temperature using plate heat exchangers.

» SUGAR SECTOR:



Treatment of the syrups at high temperatures using plate heat exchangers.

Auxiliary syrup cooling and heating plate heat exchangers

These are just a few specific examples of applications in the food industry. Laygo gaskets has the necessary know-how and R+D to adapt to the constant changes in the food industry.



LAYGO GASKETS IN THE SHIPPING INDUSTRY

Heat plate exchangers are used as oil coolants, engine cooling water coolants, drinking water generators.

As a specific feature of plate heat exchangers in the shipping industry, we should highlight the material used for plates to be able to withstand the corrosion caused by seawater. The material commonly used is titanium, which weighs less than stainless steel and is resistant to salt water corrosion.

Drinking water generators also use plate heat exchangers, which are unlike pipe exchangers in that they take up less space and provide much more efficient performance.

This is particularly important in ships, where space and weight are two crucial factors in their construction.



Laygo gaskets has immediate solutions for plate heat exchanger repairs in the shipping industry.

The most frequently-used models of gasket for plate heat exchangers in shipping are in stock for immediate delivery in order not to delay the ship repair downtime.

LAYGO GASKETS IN NUCLEAR ENERGY

Plate heat exchangers are used in the secondary cooling circuit.

As is logical, the requirements in nuclear energy are stricter every day. Our gaskets have been used for the last 10 years in the secondary cooling circuits of a number of nuclear power stations in France.

In France in particular, the nuclear energy requirements are considered to be the strictest in the world in terms of security.



Laygo gaskets offers you all the technology of the R+D department so that you can become a user of a technically advanced and completely safe product.

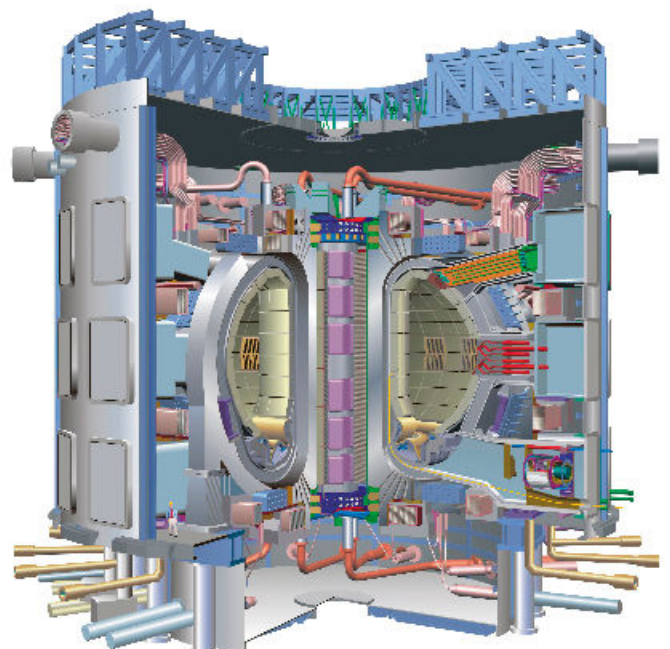
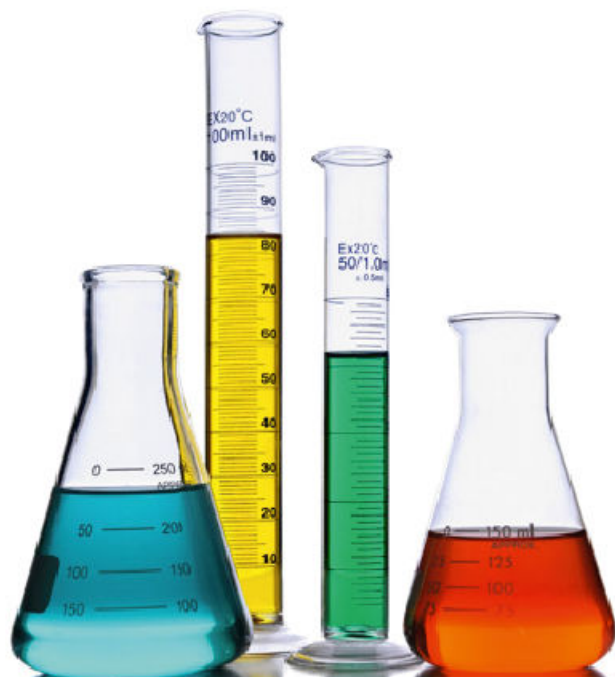
LAYGO GASKETS IN THE CHEMICAL AND PHARMACEUTICAL INDUSTRY

Plate heat exchangers are used in a great many processes in the chemical industry. From the simplest of water-water auxiliary applications to the heat treatment of complex products. At Laygo gaskets we have developed bespoke formulations for a great many chemical products.

In the pharmaceutical industry, the quality requirements of the elastomers used is noteworthy.



The gaskets manufactured by Laygo gaskets are covered by the FDA, BfR, ISO9001:2008, CE 1935/2004—Cap. 17 certificates. Wherever quality is important, Laygo gaskets has a bespoke solution.



MODELS

Laygo® gaskets are adaptable to the most widely-used equipment on the market.

We are constantly adding new gasket countertypes as we are aware of the rapid evolution in the design of heat exchangers. If you do not find the model you are looking for in the following list, just ask us.

Laygo Gaskets APV/SPX Range Adaptable

HX	Evaporator Super Junior
HMB	Evaporator MK II
JUNIOR	Evaporator MK III
SR-1	Evaporator FFPE
SR-1 Clip	M-60
SR-2 Clip	M-92
SR-3	M-107
SR-3 Clip	J060
R-4 - 405	J092
R-5	J-107
R-5 Clip	A-055
SR-6 GH Clip	A-085
SR-6 GL Clip	B-063
SR-6 AG Clip	LR-9-GN
SR-6 AA Clip	N-50
R-8 GI	R-55
TR-9 AV	K-55 Clip
TR-9 GN	K-71
T-4	K-71 Clip
T-4 Clip	Q-055 Duraflow
N-12	Q-055 Energy Saver
H-12	Q-080 ES
H-12 WDU	1070-K
H-17	1050 AS
H-17 Clip	1020
N-35	1025
N-35 Clip	Vega V-028
N-35 CLIP DS	

Laygo Gaskets ALFA LAVAL Range Adaptable

P-01	A-20-B Snap-On
M-3 Clip-on	A-15-B Snap-On
P-02 Clip-on	TS-6 Clip-on
P-5	TS-20-M Clip-on
P-14	AK-20
P-15	A-15-BW
P-16	A-20-HBM
P-17	M-6-MX Clip-on
A-30-HBM	M-10-B Clip-on
A-35	M-10-M Clip-on
AX-30-FM	M-10-BW Clip-on
AM-10-HBM	M-15-B Clip-on
AM-20-BFM	M-15-B Clip-on Lip
AM-20-HBM	M-15-F Clip-on
M-6-F Clip-on	M-20-M Clip-on
M-6-M Clip-on	M-20-MW Clip-on
P-21	M-30-FM
P-22	W-1 Clip 8 Clip-on
P-22 Clip-on	W-2 Clip 10 Clip-on
P-26	W-3 Clip 6 Clip-on
P-30	Clip-3
P-31	MA-30-S
P-32	MA-30-M
P-36	EC-500 Clip-on
P-45	MX-25-B
P-171	MX-25-B Clip-on Lip
H-7	MX-25-M
H-10	T-50
A-3	T-5 M
A-10-BSnap-On	T-2 B

MODELS

Laygo Gaskets FISCHER-EUROCAL Range Adaptable

FP-7	Eurocal 32
Frau 27	Eurocal 40
Frau 32	Eurocal 40 PI
Eurocal 5	Eurocal 43
Eurocal 6	Eurocal 51
Eurocal 8	Eurocal 61
Eurocal 18	Eurocal 61 PI
Eurocal 18 PI	Eurocal 82
Eurocal 20	Eurocal 120
Eurocal 28 PI	

Laygo Gaskets VICARB Range Adaptable

V-4	V-60
V-8	V-60 Ball-in
V-13	V-85
V-13 Ball-in	V-100
V-20	V-110
V-20 Ball-in	V-120
V-28	V-170
V-45	V-180
V-45 Ball-in	V-260
V-55	

Laygo Gaskets GEA ECOFLEX Range Adaptable

VT-4	NT-250 L
VT-10	NT-250 M
VT-20	NT-350 S
VT-20 Loc in	NT-350 M
VT-20P	VT-130
VT-40	VT-130 M
VT-40 P	VT-180 M
VT-40 M	VT-1306
VT-40 Loc in	VT-1309
VT-80	VT-1309-F
VT-80 Loc in	FA-157
VT-80 P	FA-159
VT-80 M	FA-161
NT-50 T	VT-402
NT-50 M	VT-405P
NT-50 X	VT-805
P-02 Clip-on	N-40
P-5	FA-184 (thin and thick)
P-14	AX-30-FM
P-15	AM-10-HBM
P-16	AM-20-BFM
P-17	AM-20-HBM
NT-100 M	M-6-F Clip-on
NT-100 X	M-6-M Clip-on
NT-100 T	FA-192 (thin and thick)
NT-150 S	CT-187
NT-150 L	CT-193
NT-250 S	NF-350

Laygo Gaskets SCHMIDT-BRETTEN Range Adaptable

Sigma-7	Sigma-48
Sigma-9	Sigma-64
Sigma-9 Snap	Sigma-65
Sigma-12	Sigma-65 Clip
Sigma-16	Sigma-66 Snap
Sigma-17	Sigma-76 Snap
Sigma-20	Sigma-85
Sigma-22	Sigma-96
Sigma-26 Snap	Sigma-106 Snap
Sigma-27	Sigma-108
Sigma-27 Clip	Sigma-114
Sigma-32	Sigma-136
Sigma-36	Sigma-138 S
Sigma-37	Sigma-149 Snap
Sigma-37 Clip	Sigma-156 Snap
Sigma-47	Evaporator Sigma Star 45
Sigma-52	Evaporator Sigma Star 90
Sigma X-13	Evaporator sigma Star 55v
Sigma X-19	Evaporator sigma Star 32-35v
Sigma X-29	

Laygo Gaskets STORK Range Adaptable

PG-5/2	PG-14/4
PG-8/2	PG-16/7
PG-9/3	PG-20/3
PG-10/4	PG-20/4
PG-12/4	PG-21/8
PG-13/4	

Laygo Gaskets JUNKERS Range Adaptable

Junkers 016
Junkers 216
Junkers 426

Laygo Gaskets SONDEX Range Adaptable

S-4	S-35 Loc-in
S-4A	S-38 Loc-in
S-7	S-58 Loc-in
S-15	S-64 Loc-in
S-19	S-41 Snap
S-20	S-47 Snap
S-20A	SFD-13
S-30	SFD-23
S-39	S-200
S-50	S-47A
S-130	SF-123
S-21 Loc-in	SF-131
S-22 Loc-in	SF-160

Laygo Gaskets TRANTER Range Adaptable

UX-10	HX-80
UX-20	HX-90
UX-40	

Laygo Gaskets AGC Range Adaptable

Pro-5	Pro-3
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Laygo Gaskets REHEAT Range Adaptable

UFX-12	HX-12
UFX-26 H	HX-25
UFX-42 H	HX-50
UX-16	

Laygo Gaskets THERMOWAVE Range Adaptable

TL-500 SS	TL-250 SS
TL-500 PP	

Laygo Gaskets ROSENBLADS Range Adaptable

Rosenblads 2 LS

Laygo Gaskets HISAKA-ARSOPI Range Adaptable

SX-90	ARSOPI CH-20 CLIP
UX-01	UX-20 CLIP
UX-20	UX-40
UX-80	UX-90

Laygo Gaskets SWEP Range Adaptable

G-50	GX-42
G-55	GX-51
GX-12	GM 138
GX-26	GCP-026
GL-13	

EVERY MODEL CAN BE MANUFACTURED IN DIFFERENT QUALITIES:

NBR
EPDM
HNBR
RC EPDM
BUTYL
FKM(or FPM) A/B
BUTYL HT
FKM(or FPM) G/GF
HYPALON
NEOPRENE
Any other bespoke material
on request.

Laygo Gaskets CHESTER JENSEN Range Adaptable

HM

NOT ALL GASKET MANUFACTURERS WITH THEIR HEADQUARTERS IN EUROPEAN
COUNTRIES MANUFACTURE ALL THEIR GASKETS IN EUROPE.
LAYGO GASKETS DOES.

100% OF OUR MANUFACTURED PRODUCT
ARE MADE IN OUR FACILITIES IN CORNELLÀ DE LLOBREGAT
BARCELONA - SPAIN.

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2° 5.098' E
41.348263°
2.084903°
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2°05'05.66" E

