



**PALLET
SHIPPERS**

YOUR COLDCHAIN PARTNER

PASSIVE SHIPPING SOLUTION



PROTECT THE TRANSPORT

OF YOUR TEMPERATURE-SENSITIVE PRODUCTS

For 40 years, Sofrigam has supported the biggest pharmaceutical companies in the world with the transport of their temperature-sensitive products.

Our wide range of pallet shippers responds to the logistical and regulatory constraints for the transport of refrigerated, ambient or frozen products and guarantees constant temperatures, regardless of the transport conditions. It is renowned on the market for its technical performance and its robustness.

FLAT-PACK



UP TO 120 H



2/8°C or 15/25°C



From 914 L to 3,120 L
Payloads available

PRE-BUILT



UP TO 120 H



2/8°C, 15/25°C or -18°C



From 227 L to 3,120 L
Payloads available



BENEFITS

HIGH THERMAL EFFICIENCY

LIGHTWEIGHT

CONFORMITY

ROBUSTNESS

OPTIMAL PAYLOAD RATIO

QUICK ASSEMBLY

SHORT PREPARATION TIME



MEETING YOUR INTERNATIONAL

LOGISTICAL CHALLENGES

Optimisation of cold chain shipments, product safety or ease of assembly: we understand your issues and challenges.

Sofrigam pallet shippers have been designed to meet pharmaceutical logistical standards (size, performance, qualification) so as to optimise your total logistical costs, guaranteeing your products stay within your desired temperature range. They make handling easy and optimise transportation thanks in particular to the internal layouts that make it possible to prepare the insulated packaging in a short amount of time. The largest sizes even allow you to insert your pallet of pharmaceutical products or medicines directly inside without unloading them.



ADVANTAGES

Sofrigam
pallet shippers focus
on three themes:

CONFORMITY

COST REDUCTION

RE-USE

CONFORMITY

COMPLIANCE WITH INTERNATIONAL STANDARDS

Our proven systems guarantee the integrity of products for patient safety at all times.

All Sofrigam pallet shippers are laboratory tested and qualified in accordance with international standards (Afnor NF-S-99700, ISTA, WHO, etc.). Our test reports include the number of sensors required by volume, the type of products tested, the choice and programming of profiles as well as moisture resistance. Moreover, **the qualification dossier certifies the conformity of the system** with market requirements and current regulations.

In addition, our solutions are designed in accordance with good distribution practice requirements. Their ergonomics are studied to prevent any breaks in the cold chain during loading. The loading protocols are also completed so as to comply with the temperature ranges of the products defined in the Marketing Authorisation and eliminate the risks of freezing.



Temperature graph in accordance with the standards



SOFRIGAM EXPERTISE

+ THAN 2000 TESTS

performed in the laboratory per year

+ 90 %

of sales made internationally

+ THAN 1 BILLION \$

of vaccines transported every year

5 PATENTS

submitted in the area of refrigeration



QUALIFICATION OF A SPECIFIC PROFILE

All our standard pallet shippers are digitised into virtual prototypes on the latest generation simulation tool dedicated to temperature-controlled logistics: SmartCAE.

This makes it possible to reproduce, with very short calculation times, the temperature conditions to which your system, that may be equipped with phase change materials, will be subjected to, and evaluate its thermal efficiency.

Our mould-free designed solutions can be very quickly adapted to your logistical circuits, whatever the destination.



SMART CAE, the latest generation simulation tool

COST REDUCTION

OPTIMISING YOUR LOGISTICS

Our pallet shippers are passive solutions designed to minimise logistical costs: weight reduction as a result of high performance insulating material, optimisation of the payload, layout and ergonomics of the system.

We have therefore optimised the preparation, transport, unloading and storage of products. **We have examined all components making it possible to limit the risk of error and improve traceability.**

All our systems come with packing instructions, in order to **minimise the packing time** of warehouse operatives.



FLAT-PACK VS PRE-BUILT



Our range of pallet shippers is available in both flat-pack and pre-assembled formats, the objective being to provide you with the most economic solution to meet your needs.



THINK TCO

Out of all of the products available on the market, your choice should not be limited to the purchase price of the system, but rather the comprehensive study of the costs generated by its use: this is the Total Cost Ownership (TCO).

We will support you in your choice and the analysis of the TCO of different systems.

Everything is taken into consideration and anticipated by our expert teams.

Challenge us and call on our experts for an analysis!

RE-USE

REUSING YOUR PACKAGING SOLUTIONS

Sofrigam will help you to reduce your carbon footprint and support you in your environmental approach.

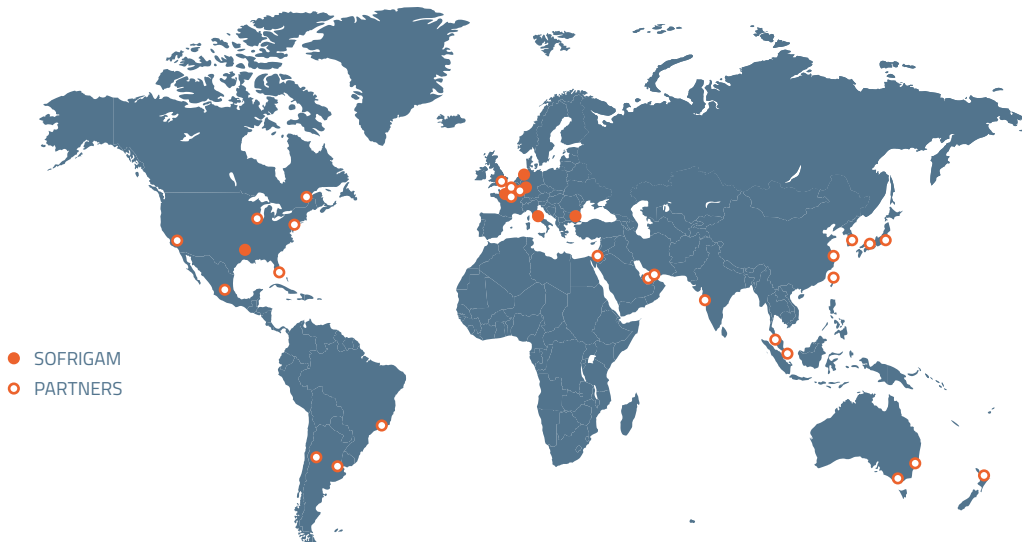
We will carry out a carbon footprint assessment of the use of your temperature-controlled shipping packaging: we will analyse and recommend the best re-usable solution possible for your case. Your carbon footprint will be drastically reduced.

We will ensure that our products do not have a negative impact on the planet. After use, your packaging solutions are stacked in your storage facilities and occupy space. This is why we have put in place **a solution of reuse for your insulated or temperature-controlled shipping packaging: the « Sofrigam-R » programme.**

Every project is unique and responds to different constraints and requirements. So that this programme is effective and responds to economic and environmental objectives, we will carry out an individualised study in close collaboration with logistics partners.



GLOBAL LOCATION NETWORK



Our storage and manufacturing facilities are strategically positioned for fast worldwide delivery.
Sofrigam is renowned for its high responsiveness in full conformity.



PRE BUILT

REFRIGERATED: +2/8 °C

Designation	Duration	External mm (in)	Payload L	Payload mm (in)	Total Weight Kg	KIT Reference
Half Pallet	120 H	1200 x 800 x 830 (47.2 x 31.5 x 32.6)	227	930 x 530 x 460 (36.6 x 20.8 x 18.1)	79	KITPLS37860STP96
Full EU	120 H	1200 x 800 x 1580 (47 x 31.5 x 62.2)	583	940 x 535 x 1160 (37 x 29 x 46.4)	100	KITPLS80760STP72-96
Full US	120 H	1200 x 1000 x 1600 (47.2 x 39.4 x 63)	815	940 x 735 x 1180 (37 x 29 x 46.4)	114	KITPLS106760STP72-96
Q PMC	120 H	1520 x 1200 x 1600 (60 x 47.2 x 63)	1640	1260 x 1025 x 1270 (49.6 x 40.3 x 50)	134	KITPLS1933MIPV3P100

AMBIENT : +15/25 °C

Designation	Duration	External mm (in)	Payload L	Payload mm (in)	Total Weight Kg	KIT Reference
Half Pallet	120 H	1200 x 800 x 830 (47 x 31.5 x 32.6)	227	930 x 530 x 460 (36.6 x 20.8 x 18.1)	80	KITPLS37860STA72-96
Full EU	120 H	1200 x 800 x 1580 (47 x 31.5 x 62.2)	654	940 x 535 x 1160 (37 x 21.1 x 45.7)	102	KITPLS80760STA72-96
Full US	120 H	1200 x 1000 x 1600 (47.2 x 39.4 x 63)	912	940 x 735 x 1180 (37 x 29 x 46.4)	107	KITPLS106760STA72-96
Q PMC Summer	120 H	1520 x 1200 x 1600 (60 x 47.2 x 63)	1640	1260 x 1025 x 1270 (49.6 x 40.3 x 50)	134	KITPLS1933MIPV3A100SUMMER
Q PMC Winter	100 H	1520 x 1200 x 1600 (60 x 47.2 x 63)	1640	1260 x 1025 x 1270 (49.6 x 40.3 x 50)	193	KITPLS1933MIPV3A100WINTER

FROZEN: DRY ICE

Designation	Duration	External mm (in)	Payload L	Payload mm (in)	Total Weight Kg	KIT Reference
Half pallet	100 H	1200 x 800 x 830 (47 x 31.5 x 32.6)	227	930 x 530 x 460 (36.6 x 20.8 x 18.1)	31	KITPLS378NDI

FLAT PACK



REFRIGERATED: +2/8 °C

Designation	Duration	External mm (in)	Payload L	Payload mm (in)	Total Weight Kg	KIT Reference
Full EU	120 H	1200 x 800 x 1600 (47 x 31.5 x 62.2)	667	960 x 570 x 1220 (37.8 x 22.5 x 48)	82	KITPLS948FPP120
Full US	120 H	1206 x 991 x 1600 (47.5 x 39 x 63)	914	974 x 770 x 1220 (38.3 x 30.3 x 48)	90	KITPLS1230FPP120
Q PMC	120 H	1520 x 1200 x 1600 (60 x 47.2 x 63)	1552	1249 x 975 x 1275 (49.2 x 38.3 x 50.2)	148	KITPLS2047FPP120
HALF PAG	120 H	2200 x 1520 x 1600 (86.6 x 60 x 63)	3133	1950 x 1260 x 1270 (76.7 x 49.6 x 50)	237	KITPLS3839FPP120

AMBIENT: +15/25 °C

Designation	Duration	External mm (in)	Payload L	Payload mm (in)	Total Weight Kg	KIT Reference
Q PMC Flat pack Winter	100 H	1500 x 1150 x 1600 (59 x 45.3 x 63)	1584	1200 x 1000 x 1320 (47.2 x 39.4 x 52)	131	KITPLS1960MIPFPA100
Q PMC Flat pack Summer	65 H	1500 x 1150 x 1600 (59 x 45.3 x 63)	1584	1200 x 1000 x 1320 (47.2 x 39.4 x 52)	131	KITPLS1960MIPFPA65

