VCACUUM BOXES

Modular System for extended transport time



Frozen | CRT | Cool Chain | Air Freight | Pharmaceuticals | Blood Products

Total temperature security

Vacuum boxes series



The transport systems were designed for the long term transport of all life science products at different constant temperatures.

The Disposable Vacuum Boxes are constructed for single usage transport concepts. The sturdy PharmaCases can be used multiple times. Both series come with 20 to 30 mm vacuum insulation. Thus the insulation is 20 fold better than polystyrene.

Whatever your product dimension are, there is a suitable size with inner volume varying from 10L up to 190L. All systems were qualified according to ISTA 7D standard without payload with extreme long time range of up to 144 hours.

In order to choose the most suitable system for your application, please provide the following data:
Transport time, required inner temperature, product dimensions and the ambient climate conditions.
On the base of your requirements we will help you to choose and configure the most suitable solution for you.
Due to the modular system of these transport containers, different constant inner temperatures can be achieved by using dT Fluid Accus.



The delta T Fluid elements assure a constant inner temperature and protect your goods against ambient heat and frost.

The correct delta T fluid elements are selected according to your requirements of transport time and product temperature.

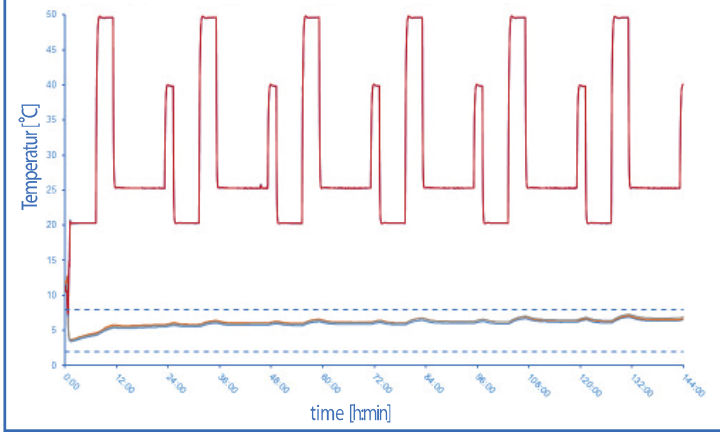
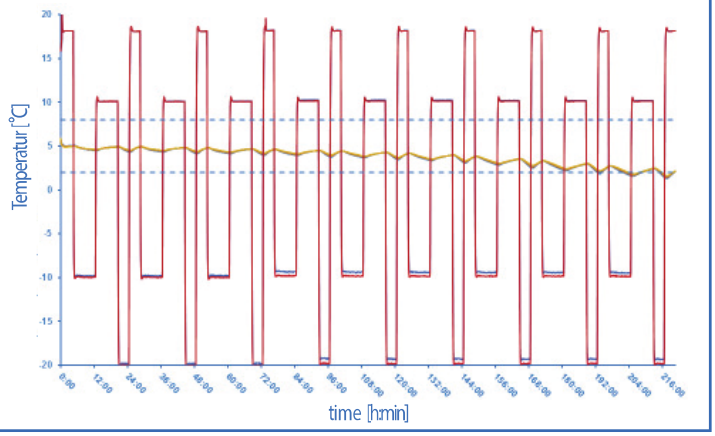
blood products
transport of whole blood, RBC, platelets and fresh frozen plasma

pharmaceutical cool chain
total temperature security between 2°C to 8°C

Performance of delta T vacuum boxes

Both PharmaCases and Disposable Vacuum Cases (DVB) were tested according to ISTA 7D standards. The 144 hour tests were performed in a certified climate chamber for summer and winter profile.

In the diagrams below one can see the results of the DVB 115L test with a certain Accu load and without payload. The graphs show the inner and the ambient temperature.

Disposable Vacuum Box 115L - 80L payload summer scenario	Disposable Vacuum Box 115L - 80L payload winter scenario
	
DVB 115L tested according to ISTA 7D summer	DVB 115L tested according to ISTA 7D winter

Box Type	usable inner space	summer	winter
PharmaCase 16L / Disposable Vacuum Box 16L	8L	48h	72h
PharmaCase 20L / Disposable Vacuum Box 20L	10L	72h	96h
PharmaCase 30L / Disposable Vacuum Box 30L	20L	96h	120h
PharmaCase 75L	50L	120h	144h
PharmaCase 100L	80L	144h	144h
PharmaCase 170L	100L	144h	144h
Disposable Vacuum Box 90L	50L	144h	144h
Disposable Vacuum Box 115L	80L	144h	144h
Disposable Vacuum Box 190L	160L	144h	144h

The table can be used for a rough estimation of payload volume and the transport time. Qualification reports for different temperatures according to ISTA 7D for the above listed products are available upon request.

PharmaCase Features

* sealable locks
* white inner plastic walls
* high tech vacuum insulation
* optional with wheels
* optional customer specific labeling optional
* digital temperature loggers
* fits for Accu 1L, Accu2L Accu 3L and TempShells

delta T
Gesellschaft für Medizintechnik mbH

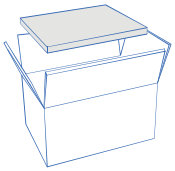
Vacuum boxes ordering information

PharmaCase 16L



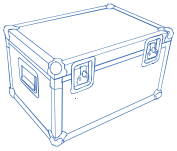
Order Number: B 1001 17
Dimensions:
Outer: 450x280x445 mm
Inner: 335x165x305 mm
Weight: 9 kg
Fits for:
Accu 1L and TempShells

Disposable Vacuum Box 16L



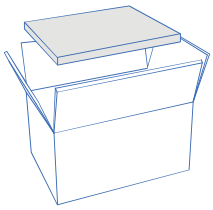
Order Number: B 1200 01
Dimensions:
Outer: 420x250x385 mm
Inner: 340x170x310 mm
Weight: 4,5 kg
Fits for:
Accu 1L and TempShells

PharmaCase 20L



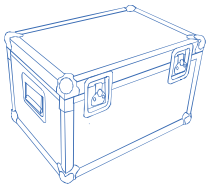
Order Number: B 1001 20
Dimensions:
Outer: 440x442x320 mm
Inner: 321x285x200 mm
Weight: 12 kg
Fits for:
Accu 2L and TempShells

Disposable Vacuum Box 20L



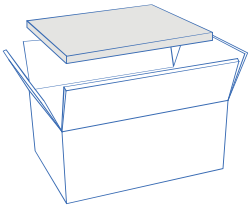
Order Number: B 1200 02
Dimensions:
Outer: 415x380x300 mm
Inner: 335x300x215 mm
Payload:
240x190x130 mm with 8 x Accu 1L
Weight: 4,7 kg
Fits for:
Accu 2L, Accu 1L and TempShells

PharmaCase 30L



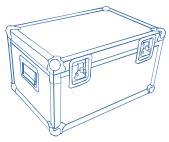
Order Number: B 1001
Dimensions:
Outer: 670x470x360 mm
Inner: 470x285x200 mm
Weight: 14 Kg
Fits for:
Accu 3L and TempShells

Disposable Vacuum Box 30L



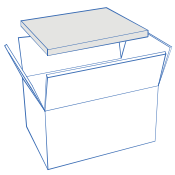
Order Number: B 1200 03
Dimensions:
Outer: 560x380x295 mm
Inner: 480x300x210 mm
Payload:
380x190x200 mm with 8 x Accu 1L
Weight: 6,1 kg
Fits for:
Accu 3L, Accu 1L and TempShells

PharmaCase 75L



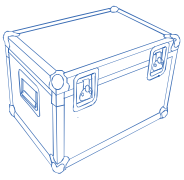
Order Number: B 1001 05
Dimensions:
Outer: 650x500x545 mm
Inner: 530x335x430 mm
Weight: 26 kg
Fits for:
Accu 3L, Accu 2L and Accu 1L

Disposable Vacuum Box 90L



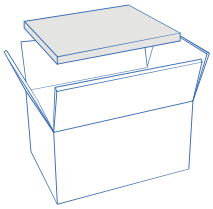
Order Number: B 1200 04
Dimensions:
Outer: 640x445x530 mm
Inner: 560x365x450 mm
Payload:
470x270x360 mm with 26 x Accu 1L
Weight: 11 kg
Fits for:
Accu 3L, Accu 2L and Accu 1L

PharmaCase 100L



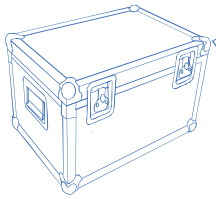
Order Number: B 1000 80
Dimensions:
Outer: 805x515x600 mm
Inner: 640x355x470 mm
Weight: 30 kg
Fits for:
Accu 3L in eight positions,
at sides, above and under
the payload
Accu 1L and TempShells

Disposable Vacuum Box 115L



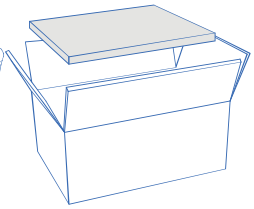
Order Number: B 1200 05
Dimensions:
Außen: 750x460x550 mm
Innen: 665x375x465 mm
Payload:
545x275x420mm
with 27 x Akku 1L
Weight: 13,6 kg
Fits for:
Accu 3L, Accu 2L and Accu 1L

PharmaCase 170L



Order Number: B 100016
Dimensions:
Outer: 835x645x670 mm
Inner: 670x470x535 mm
Weight: 37 kg
Fits for:
Accu 3L, Accu 2L and Accu 1L

Disposable Vacuum Box 190L



Order Number: B 1200 06
Dimensions:
Outer: 780x580x630 mm
Inner: 700x500x550 mm
Payload:
600x400x500mm with 39 x Accu 1L
Weight: 18,6 kg
Fits for:
Accu 3L, Accu 2L and Accu 1L

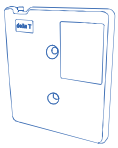
1L Element



Dimensions: 210x88x21 mm

Stück :	Order Number:	Weight:
4C Accu 1L	A 1000 27	1,1 kg
22C Accu 1L	A 1000 33	1,1 kg
-30C Freeze Element	A 1000 03	1,5 kg

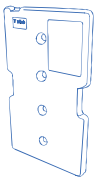
2L Element



Dimensions: 319x275x35 mm

Stück :	Order Number:	Weight:
4C Accu 2L	A 0900 05	2,5 kg
22C Accu 2L	A 0900 06	2,5 kg
-30C Freeze Element 2L	A 0900 01	3,6 kg

3L Element



Dimensions: 465x275x35 mm

Stück :	Order Number:	Weight:
4C Accu 3L	A 1000 28	3,0 kg
22C Accu 3L	A 1000 34	3,0 kg
-30C Freeze Element 3L	A 1000 04	4,5 kg

delta T GmbH
Industriestr. 13
35463 Fernwald
Germany

Fon: +49 641- 330555 44
Fax: +49 641- 330555 49
email: sales@deltaT.de

www.deltaT.de