

for all suppliers of

Leybold companies worldwide

Leybold GmbH Logistics Bonner Str. 498 50968 Köln Germany Leybold Dresden GmbH (for Service+Production) Zur Wetterwarte 50 01109 Dresden Germany Leybold France S.A.S Valence Factory 640, Rue A. Bergès-BP 107 26501 Bourg-lès Valence Cedex France Leybold (Tianjin) International Trade Co. Ltd. L1-6 No. 467 Basheng Road, 200131 Pudong, Shanghai China

Changes since version 04:

- 1. Specification of undesirable, environmentally critical packaging materials.
- 2. Emphasis on the environmental relevance of packaging materials.
- 3. Definitions specified.

Table of contents

Packaging a	nd delivery specifications for all suppliers of Leybold companies worldwide	0
1.	Prologue	3
2.	Permissible packing material	4
2.1	Packaging made of wood	4
2.2	Wooden crates (solid wood and plywood boxes)	4
2.3	Pallets	4
2.4	Pallet attachment frames	4
2.5	Cartons and fillers	5
2.6	Delivery specification for oils/greases	5
2.6.1	Accompanying documents	5
2.6.2	Duty to inform	5
2.7	Materials handling equipment/returnable packaging/skeleton boxes	8
2.8	Bags, front box lids, films	8
2.9	ESD packaging	8
2.10	Filling material	8
2.11	Structural packaging	8
2.11.1	Structural packaging foam (e.g.: PE/PP)	9
2.11.2	Structural packaging made of corrugated cardboard	9
2.12	Straps	9
2.13	Edge protection	9
2.14	Sealing adhesive tapes/security sealing tape	9
2.15	Stretch foil	10
2.16	Stickers/Labels	10
3.	Impermissible packing material	10
3.1	Filling material	10
3.2	Moulded parts made of polystyrene and polyurethane	10
3.3	Pallets	10
3.4	Foam materials	10
3.5	Deep-drawn and blister packaging	10
3.6	Exceptions/deviations	11
4.	Packaging technology/methods	11
4.1	Product protection	11
4.1.1	Protection against penetration	11
4.1.2	Protection against slipping	11
4.1.3	Protection of the surfaces	11
4.1.4	Protection of seals	11
4.1.5	Corrosion protection and methods	11
4.1.6	Container shipping/sea freight packaging: corrosion protection	12
4.1.7	Container shipping/sea freight packaging: transport protection	12
4.1.8	Overhangs and offsets	12
4.2	Dimensions/weights/outer packaging/handling	12
4.2.1	Cost of the packaging and shipping	12
4.2.2	Package sizes	
OP-13-LG printing date: 31.1	0.2022 11:31:00 O:OP/OP-Logistics/OP_Logistics/Administration/Logemann/Projekte/Anliefer- Und Verpackungsvorschriften Für Leybold Lieferanten/2022/Verpackungs- Und Anliefervorschrift Leybold 2	022_EN.Docx

Leybold

Packaging and delivery specifications

4.2.3	Maximum weight of packages/pallet use	13
4.2.4	Material thicknesses of plywood boxes/hoods	13
4.2.5	Sealing boxes	13
4.2.6	Sealing cartons	14
4.2.7	Outer packaging	14
4.3	Transport monitoring	14
4.3.1	Transport monitoring systems	14
4.4	Dangerous goods/special packaging/container shipping/release of packaging material	14
4.4.1	Dangerous goods packaging	
4.4.2	Special packaging	14
4.4.3	Container shipping/container storage	15
4.4.4	Release of packaging material for merchandise	15
Appendix	k: Packaging specification (customer and supplier side)	23

1. Prologue

To ensure maximum efficiency of a value chain, all processes must be in harmony with logistical and environmental requirements.

Deviations such as

- hazards to employees from problematic packaging materials and methods,
- pollution of our environment by environmentally critical packaging materials,
- additional repackaging expenses due to the use of unsuitable and/or inadmissible packaging materials or methods,
- problematic turnaround times due to missing or incorrect markings and/or incomplete documents,
 - ... impact negatively on operational processes and ecology and should therefore be avoided.

Rather, the objective is to present the goods in their finished quality, i.e. without any kind of impairments.

To achieve this, safe and easy transport, storage and commissioning must be ensured, taking into account all environmental aspects.

Special attention must be paid to the key aspects:

- SHEQ (Safety, Health, Environment, Quality).
- Use of environmentally friendly, sustainable and economically viable packaging materials.
- Product protection (protection against damage, contamination, environmental influences and theft)
- Transportability (e.g. by packaging design compatible with industrial trucks).
- Storage (to ensure a trouble-free storage process).

Leybold actively supports every kind of reduction of environmental impacts. For this reason use exclusively environmentally friendly and environmentally compatible as well as sustainable packaging materials for deliveries to and by Leybold.

Along with the reduction and avoidance of non-recyclable or non-reusable material, this also secures the environmentally compatible disposal of the packaging material being used.

For purposes of definition we differentiate here between permissible and impermissible packaging materials.

In addition to the present packaging and delivery regulations, product-specific specifications may apply, which will be sent to the supplier with the contract basis.

Leybold reserves the right to reject deliveries contrary to these regulations at a charge!



2.	Permissible packing material	
2.1	 Packaging made of wood If packaging (e.g. wooden boards, squared timber, battens, runners or frames) have solid wood component parts, they must comply with the IPPC/ISPM15 standard, i.e. be free of pests and bark. Solid wood used from the certified manufacturer must be heat treated (HT-treated) and marked: To identify the manufacturer and heat treatment, the packaging or its the packaging or its wood components must bear a HT stamp (see figure on the right), which indicates the country of origin and the certified manufacturer/processor. According to this regulation, packaging which exclusively comprises plywood or pressboard is exempted from wood treatment. For ecological reasons, the materials and board thicknesses used must be adapted to the expected transport loads and product weight. 	DE- RP1 49015 HT 723- 6-03-0
2.2	Wooden crates (solid wood and plywood boxes) Lid-support members may be used as standard to stabilize the crate and additional compression members may be used to secure the cargo in the crate, which - unless they are made of plywood - must be heat-treated (see also 2.1). In order to reduce hazards to employees when opening the boxes and to ensure that the wooden parts used can continue to be used, closing with nails is not permitted. However, Spax and Torx screws are permissible, which ensure non-destructive dismantling of the boxes.	blocksite in the second se
2.3	 Pallets For deliveries on pallets, only exchangeable Euro pallets in accordance with EN 13681-1, dim.: 1200 x 800 x 144 mm (lxwxh) may be used. For the purpose of the documentation of heat treatment and of the manufacturer they must bear the relevant HT stamp. Exceptions to this are Euro pallets which are fabricated entirely from plywood. Disposable pallets will not be accepted. Product-specific packaging, which must be coordinated and approved with Leybold in advance, is exempted. For ecological reasons or for return to the recovery cycle, the pallets must be in an undamaged, serviceable condition. 	
2.4	 Pallet attachment frames consist of wooden boards that are connected by means of metal hinges and may be used. Material deviations from this require approval from Leybold (Logistics Department). If made of solid wood they must be heat treated as per IPPC/ISPM15 and marked with an HT stamp. 	

Leybold

Packaging and delivery specifications

2.5	Cartons and fillers made of corrugated cardboard or hardboard are classified as recyclable and are allowed to be used. Additions of grass paper or hay are accepted as long as the protective function of the cardboard is not impaired. It must be ensured that cardboard boxes are adapted to the product size and that as little, preferably even no filling material, is necessary. See 2.10 for accepted filling material!
2.6	Delivery specification for oils/greases This specification contains the delivery conditions and technical data for lubricants and LEYBONOL products (special oil for vacuum pumps). The LEYBONOL lubricant is purchased as "Private Label". Recyclable packaging material should be used wherever possible. Further details are regulated in the respective orders or delivery specifications.
	· · · · · ·
2.6.1	 Accompanying documents REACH registration is completed. Declaration of RoHS conformity (freedom from lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyl (PBB) or polybrominated diphenyl ether (PBDE)). The applicability is limited to electronic and electrical goods. Declaration of compliance with the current GADSL list (http://www.gadsl.org/), GADSL: Global Automotive Declarable Substance List. Declaration of freedom from VOC (volatile organic compounds) in accordance with the Ordinance on the Incentive Tax on Volatile Organic Compounds VOCV. COA (Certificate of Analysis): Batch-related proof of the oil specification.
2.6.2	Duty to inform
	All information must be treated as confidential!
	A transfer to third parties is only permitted with the consent of Leybold GmbH (as well as with an NDA).
	The supplier is obliged to provide the following information:
	 In the case of any changes to the product (e.g. ingredients, formulation, manufacturing process, technical data, containers and packaging, "Form and Function") Leybold must be informed at least 18 months in advance. Leybold must obtain approval or release for each of these changes before they are introduced.
	 Enclose safety data sheets according to current legal requirements, at least required languages: German, English (UK).

• In case of changes, updated documents must be sent unsolicited.



Last update 26.10.2022 , Version: 05 Page 6 of 23 Author: Claus Logemann

2.6.3 Packing containers

Container sizes and properties

Container size	Container colour	Colour cap	Leybold Material number oil
< 1 litre			L XXX 00
1 litre	Silver/Grey	Red	L XXX 01
5 litres	Silver/Grey	Red	L XXX 05
20 litres	Silver/Grey	Red	L XXX 20
200- 208 litres	Grey/Black	-	L XXX 99

UN-qualified containers must always be used.

Containers must be sealed with HEAT SEALING!

LEYBONOL products to be filled and packaged in glass bottles have a PTFE cap.

Exceptions are possible (only) by agreement, e.g. for pouring aids / filling spouts.

Quality control of the closures:

- Random leakage and torque tests as well as
- cap screwing per filling batch with 4 containers each per delivery

Containers should be repacked in neutral cartons (for glass bottles

with polystyrene, adhesive tape and arrow markings) and for "private label" products (see 2.6.4) the corresponding labels must be attached. In order to prevent transport stresses on the surrounding cardboard packaging from damaging the container, care must be taken to ensure that there is no direct contact with the cardboard (e.g. through cushioning material, see filling material 2.10).

Arrow markings are depicted on the cartons to indicate correct orientation (vertical positioning of the cartons) and to prevent leakage of containers.

The cartons are designed for transport on EURO pallets,

strapped and secured with stretch film. Edge protection (preferably and for environmental reasons made of hardboard) should be used for strapping. The cartons must not exceed or project beyond the basic pallet dimensions.

Drums are fastened to Euro pallets and secured or strapped with stretch film. They must be secured against external damage (wooden board, wooden or corrugated cardboard cover)Further packaging examples:



Ready packed glass bottles pallet. Carton O:\OPIOP-Logistics\OP_Logistics_Administration\Logemann\Projekte\Anliefer- Und Verpackungsvorschriften Für Leybold Lieferanten\2022\Verpackungs- Und Anliefervorschrift Leybold 2022_EN.Docx



Containers in Euro pallets - on a Euro



Example LVO 400: Packaging of a glass bottle in polystyrene and adhesive tape.



Pack the glass bottles (1 litre)

in the box



Packaging example glass bottles



Packaging example glass bottles in cartons on Euro pallet.



Packaging example cartons on Euro

OP-13-LG printing date: 31.10.2022 11:31:00



Last update 26.10.2022 Version: 05 Page 7 of 23 Author: Claus Logemann

pallet with stretch film and edge protection.

2.6.4 Labelling "Private Label" The private label sticker is provided by Leybold. The **barcode** is provided by the supplier on the label (Front under the material number, see illustration) or printed / attached to the bottle. VO 100 -110 For containers, the front of the label is attached so that the sealing cap is on the left. For containers, the back of the label is attached so that the sealing cap is on the right. For glass bottles, the round label is attached in the middle. Left: Front label Right: Rear label For drums, the back of the label is attached to the side of the drum, Drum side: Back label ... and the front of the label is attached on the drum lid. Drum lid: Front label

OP-13-LG printing date: 31.10.2022 11:31:00



Last update 26.10.2022 Version: 05 Page 8 of 23 Author: Claus Logemann

2.7	 Materials handling equipment/returnable packaging/skeleton boxes must correspond to the special features of the product and the local process environment (e.g. clean room area). Possible packaging materials are outer packaging made of wood (crates), plastic (boxes and pallets), metal (wire baskets) and corrugated board (cardboard boxes) with an inlay (e.g. contour parts) adapted to the product contour. The products contained must be protected against impairment due to movement within the means of transport, e.g. slipping (bumping into each other) and vertical movement by means of fixing measures, e.g. by inlays. The management of the materials handling (development, exchange, provision, etc.) is the responsibility of Leybold Logistics or - insofar as it is the property of the supplier - of the supplier or a commissioned service provider specialized in this field. Where possible, we ask that you choose sustainable materials. 	
2.8	Bags, front box lids, films are fully recyclable, are accepted in HDPE and LDPE quality (also VCI coated ESD-compatible) and must be marked accordingly.	
2.9	 ESD packaging Products that must be protected against static charge (e.g. electronic parts) must be packed in ESD-compatible foam packaging or in PE bags. If -against expectations- conflicts with -standard- inadmissible material or materials should exist, product protection is the priority. In such cases, Leybold must be informed in advance and alternative materials must be searched for. Packaging methods deviating from this regulation must be approved in writing by Leybold (Logistics Department). 	
2.10	Filling material Permissible filling materials are cushions made of (packing) paper (preferably as paper cushions, e.g. Padpak/Ranpak system) and polyethylene (PE) air bubble bags. For ecological reasons, paper is preferable wherever possible. To avoid dust formation, the use of wood wool, shredded corrugated cardboard, etc. should be avoided. The boxes used should be in reasonable proportion to the size of the product contained.	
2.11	Structural packaging is specially designed packaging made of foam, plastic, wood or corrugated board, taking into account the special features of the product (usually as part of a packaging development including packaging testing), which ensures maximum transport and handling safety with minimum environmental impact.	

O: OPIOP-Logistics/OP_Logistics_Administration/Logemann/Projekte/Anliefer- Und Verpackungsvorschriften Für Leybold Lieferanten/2022/Verpackungs- Und Anliefervorschrift Leybold 2022_EN.Docz

Leyk	bold	Packaging and delivery specificat	Last update 26.10.2022 Version: 05 Page 9 of 23 Author: Claus Logemann
2.11.1	is ac In case	Eural packaging foam (e.g.: PE/PP) Excepted as recyclable packaging materials. The of doubt, the more environmentally friendly packaging sures the same product protection is preferred.	
2.11.2		tural packaging made of corrugated cardboard so accepted as recyclable packaging materials.	
2.12	This is and pro used) o For me (compa Unneco	<u>exclusively</u> permitted as plastic straps made of PE or PET. the only way occupational safety aspects (cut protection) oduct protection (through the elasticity of the plastic strap can be taken into account. erchandise, always use neutral tape, i.e. without branding any logo). essary strapping is not allowed for environmental reasons r parcels without pallet).	
2.13	To pre- packag	protection vent damages on crates or cartons while strapping jes preferably use brackets made of hardboard (Fig. 1). edge protectors should be avoided for environmental s.	Fig. 1 Fig. 2
2.14	(Envirc prefera also per lf it inve tapes. Order I (compa p15703 Type o must b in an e These accord Aviatio or by L So-call standa residue been o Obtain	g adhesive tapes/security sealing tape nmentally friendly) wet adhesive tapes should be ibly used for sealing cardboard boxes. Plastic tapes are ermissible. Dolves a commercial product, use Leybold wet adhesive The adhesive tapes can be obtained in rolls from Leybold, Management Department in Cologne - for different brands any logos) - (material numbers: 15703720, p15703730, 8740). If use (e.g. double-T bonding) and scope e implemented in accordance with the specifications and nvironmentally friendly manner! sealing tapes are used as evidence of initial opening ing to the rules of the LBA (German Federal Office of Civil n)! For that reason, use them exclusively for deliveries to eybold , see also 4.26! ed security sealing tapes, which are to be used as rd for air freight, cannot be removed without leaving es and leave writing on the package stating that it has pened and possibly tampered with. hing and placing on the market any packaging with the ld logo or emblem (without prior consultation with oproval by Leybold) is strictly prohibited!	<image/>

Leybold

Packaging and delivery specifications

Last update 26.10.2022 Version: 05 Page 10 of 23 Author: Claus Logemann

2.15 Stretch foil ...may be used as recyclable packaging material made of PE to protect the packages against slipping and soiling as well as against moisture. Film thicknesses of 16 mµ are sufficient here. Adequate, pre-stretched qualities of lower film thickness are permissible. Do not wrap more than 2-3 times. 2.16 Stickers/Labels All packages must be labelled with the internationally prescribed warning labels (e.g. arrow, glass, umbrella, centre of gravity, stacking instructions, etc.) - see also DIN EN ISO 780-. If particular specifications go beyond that (e.g. as in the case of dangerous goods), in addition provide the packages with the warning information specified. Marking can be achieved by means of stickers or by applying paint. Shipping damage as a result of incorrect handling due to missing or incorrect warnings will be borne by the supplier. 3. Impermissible packing material 3.1 Filling material The use of chips (flakes) e.g. from maize starch, hardboard or polystyrene is not wanted and impermissible. The same applies to wooden wool and paper or cardboard shredder material as well as PU foam (see also 3.4). 3.2 Moulded parts made of polystyrene and polyurethane Moulded parts made of polystyrene (PS, trade name: Styropor) and polyurethane (PU) are generally not accepted. Only in agreement with Leybold (!), packaging materials made of polystyrene (PS) or polyurethane (PU) - in the form of bags, hoods or moulded foam parts, which have no alternative for product protection (e.g. mechanical and electrical loads) and can be recycled as re-granulates (e.g. for containers) - are excluded from this. 3.3 Pallets Pressed chip pallets ("Inka" system), as well as pallets ("Falkenhain" system) are as one-way pallets not recyclable ("Inka") and/or not exchangeable and are therefore not accepted. If - for example for clean or white room areas - plastic pallets are to be used, this requires prior coordination with Leybold (Logistics Dept.). 3.4 Foam materials Disposable packaging made of foamed polyurethane (PU) or PU derivatives (e.g. "Sealed Air" foam cushions system) or polystyrene (PS) are not permitted, as they must be disposed of separately as hazardous waste. The exception to this is returnable packaging (materials handling equipment). 3.5 Deep-drawn and blister packaging ... require the explicit release by Leybold (Logistics Dept.).



3.6 Exc	ceptions/deviations Exceptions or deviations from these packaging and delivery instruct protection or better handling, but all require written approval from L consideration of all environmental risks.	
4.	Packaging technology/methods	
4.1	Product protection	
4.1.1 P	rotection against penetration In order to avoid damage to products inside the packaging (mutual damage) or outside of the packaging (penetration). Preferably, paper products such as tissue paper, wrapping paper or corrugated board end caps. The use of recyclable PE (polyethylene) based bubble wrap is permitted. Permissible materials see chapter 2 ff.	
4.1.2	Protection against slipping To avoid damaging the product in the packaging, it must be restrai methods are moulded parts, which envelop the product (contour in paper, bubble foil, tensioning straps, anti-slip mats). With regard to the reliability of filling material see also 3.1.	
4.1.3	Protection of the surfaces Surfaces must be protected against damage and soiling. Depending on the sensitivity of the products you can do this with fill spacers. Surface protection should preferably be provided with suitable pap cardboard in rolls). With regards to the reliability of the material use Further details may be regulated by the respective specific purchas instructions (see relevant section).	ers (e.g. tissue paper or corrugated ed see chapter 3.
4.1.4	Protection of seals Pack the seals - just as with comparable materials- so that they can neither be damaged (bent, broken, crushed, torn) nor soiled. Possible options include packaging (in a PE bag) in a hardboard shipping bag or in suitable cardboard boxes. With regards to the reliability of the material used see chapter 3.	
4.1.5	Corrosion protection and methods Preferred preservation methods are: Desiccants (sealing of the goods in an evacuated PE bag - with the addition of desiccant) and VCI films, bags or hoods. Oils, greases, waxes, passivations, coatings etc. for preservation require the approval of Leybold Köln, (Product Manger and/or Logistics Department). See also "4.1.6 Sea freight (seaworthy) packaging". For environmental reasons, avoid overdosing!	



Last update 26.10.2022 Version: 05 Page 12 of 23 Author: Claus Logemann

4.1.6	Container shipping/sea freight packaging: corrosion protection Pack sea freight consignments to avoid transport damage and corrosion during container shipping (sea, rail). To accomplish that, evacuate and immediately seal the material to be packed - in PE film (with the addition of sufficient amounts of desiccants and/or preservatives). As an alternative method, VCI corrosion protection film, bags and hoods are accepted.
	To extend the preservation period (> 6 months), the material can be evacuated and immediately sealed in aluminium compound foil (see Figure 6) in addition to or instead of the PE (see Figure 5) for prolongation of the corrosion protection.
4.1.7	Container shipping/sea freight packaging: transport protection Freight space or loading area is scarce and expensive for all modes of transport (truck shipping, air freight, sea and rail containers). For this, as well as for environmental reasons, maximum utilisation of the available space is required and efficient stowing and stacking is essential. The focus here is on product protection and securing the cargo against slipping and damage to the consignment in the container. Packages that are limited in terms of stacking must be repackaged into suitable wooden crates or armoured cardboard boxes.
4.1.8	Overhangs and offsets are to be avoided as they impair transport and handling safety and product protection.
4.2	Dimensions/weights/outer packaging/handling
4.2.1	Cost of the packaging and shipping Select the package sizes in a way that avoids unnecessary volume ("do not pack air"). The consequences of overly bulky packaging are excessive packaging costs (size and price of the packaging material) and freight costs (keyword: volume weight) as well as environmental aspects. The packaging materials used must therefore be proportionate to the weight, sensitivity and value of the product. This means that both "underpacking" (product protection endangered) and "overpacking" (excessive handling and material costs, environment) must be avoided.

 4.2.7 Package sizes To be able to store and emplace the products concept into account. Please only use packaging material that can be accordingly stored (see figure on the right). Maximum external dimensions of the delivery packaging: max. size max. size Crate LXWXH1 [mm] KP1 190x125x110 KP2 292x181x185 KP3 445x275x185 KP3KP7 564x366x167 KP3KP8 564x366x167 KP4KP8 564x366x167 KP5KP7 564x366x167 KP5KP7 564x366x167 KP5KP7 564x366x167 KP3KP8 564x366x167 KP3KP8 S64x366x167 S64x366x167 KP3KP8 KP3KP8 KP3KP8 KP3KP8 KP3KP8 KP3KP8 KP3KP8 KP3KP8 KP3KP8 KP					T		
compatibly with our warehouse concept - optimized use of space - we ask you to take our container concept into account. Please only use packaging material that can be accordingly stored (see figure on the right). Maximum external dimensions of the delivery packaging: image packaging max.size packaging. image packaging max.size packaging. image packaging packaging. image packagin	4.2.2						
use of space - we ask you to take our container concept into account. Please only use packaging material that can be accordingly stored (see figure on the right). Maximum external dimensions of the delivery packaging:							
concept into account. Please only use packaging material that can be accordingly stored (see figure on the right). Maximum external dimensions of the delivery packaging: max.size reacting: RP0 Task 8857 KP1 190x125x110 KP2 KP3 445x275x185 KP4 KP4 190x125x110 KP2 KP2 292x181x185 KP4 KP4 190x125x110 KP2 KP3 445x275x185 KP4 KP4 S64x366x187 PF5/KP5 For both handling and SHEQ (Security, Health, Environment, Quality) reasons, provide packages with a weight from 30 kg additionally with a pallet. For ecological reasons or for reuse, the wooden pallets must be in an undamaged, serviceable condition. Preferably, exchangeable Euro pallets are to be used. 4.2.4 Material thicknesses must be - depending on the packed weight and the receiving area - used: 10 mm < 300 kg, 12 mm > 300 - 10,000 kg. 15 mm > 10,000 kg. So-called armoured cardboard boxe				ed			
Please only use packaging material that can be accordingly stored (see figure on the right). Maximum external dimensions of the delivery packaging: Image: the store of the delivery packaging material that can be accordingly stored (see figure on the right). Image: the store of the delivery packaging material that can be accordingly stored (see figure on the right). Image: the store of the delivery packaging material that can be according on the package store of the store							
accordingly stored (see figure on the right). Maximum external dimensions of the delivery packaging.							
Maximum external dimensions of the delivery packaging: Image: packaging: Im							
packaging: Imax. size Crate [LxWWH] (mm) KP0 133x88x67 KP1 130x88x67 KP2 292x181x185 KP3 445x275x185 KP4 564x366x167 KP5/KP7 564x366x247 Perkaging Delivery packaging: Delivery Value Delivery packaging Delivery		accordingly c					·····
Imax. size		Maximum ext	ternal dimensions of the delivery		Single packag	ging	0
Imax. size		<u>packaging:</u>					
Crate [LxWxH] [mm] KP0 133x88x67 KP1 190x125x110 KP2 292x181x185 KP3 445x275x185 KP4 564x366x167 KP5/KP7 564x366x167 KP6/KP7 564x366x247 * = Small parts container made of plastic. The total weight for small parts (in delivery packaging) must not weigh more than 28 kg! 4.2.3 Maximum weight of packages/pallet use For both handling and SHEQ (Security, Health, Environment, Quality) reasons, provide packages with a weight from 30 kg additionally with a pallet. For ecological reasons or for reuse, the wooden pallets must be in an undamaged, serviceable condition. Preferably, exchangeable Euro pallets are to be used. 4.2.4 Material thicknesses of plywood boxes/hoods The following wall thicknesses must be - depending on the packed weight and the receiving area - used: 10 mm < 300 kg, 12 mm > 300 a 01,0000 kg. 15 mm > 10,000 kg. So-called armoured cardboard boxes (made of reinforced cardboard layers) may only be used where stacking is ensured. For specifics such as container shipping see 4.16 + 4.17! 4.2.5 Sealing boxes To facilitate opening wooden crates and, if necessary, use them </th <th></th> <th></th> <th>-</th> <th>1</th> <th>Packaging un</th> <th>it</th> <th></th>			-	1	Packaging un	it	
Crate LXWxH [mm] KP0 133x88x67 KP1 190x125x110 KP2 292x181x185 KP3 445x275x185 KP4 564x366x167 KP6/KP7 564x366x247 * = Small parts container made of plastic. The total weight for small parts (in delivery packaging) must not weigh more than 28 kg! 4.2.3 Maximum weight of packages/pallet use For both handling and SHEQ (Security, Health, Environment, Quality) reasons, provide packages with a weight from 30 kg additionally with a pallet. For ecological reasons or for reuse, the wooden pallets must be in an undamaged, serviceable condition. Preferably, exchangeable Euro pallets are to be used. 4.2.4 Material thicknesses of plywood boxes/hoods The following wall thicknesses must be - depending on the packed weight and the receiving area - used: 10 mm < 300 kg, 12 mm > 300 - 10,000 kg, 15 mm > 10,000 kg. So-called armoured cardboard boxes (made of reinforced corrugated cardboard layers) may only be used where stacking is ensured. For specifics such as container shipping see 4.16 + 4.17! 4.2.5 Sealing boxes To facilitate opening wooden crates and, if necessary, use them <th></th> <th></th> <th>max. size</th> <th></th> <th></th> <th></th> <th></th>			max. size				
KP1 190x125x110 KP3 245x275x185 KP4 564x366x167 KP5/KP7 564x366x187 YP6/KP8 564x366x187 KP6/KP 564x366x187 YP6/KP5 564x366x187 KP6/KP 564x366x247 The total weight for small parts (in delivery packaging) must not weigh more than 28 kg! 4.2.3 Maximum weight of packages/pallet use For both handling and SHEQ (Security, Health, Environment, Quality) reasons, provide packages with a weight from 30 kg additionally with a pallet. For ecological reasons or for reuse, the wooden pallets must be in an undamaged, serviceable condition. Preferably, exchangeable Euro pallets are to be used. 10 mm < 300 kg, 12 mm > 300 – 10,000 kg. 15 mm > 10,000 kg. So-called armoured cardboard boxes (made of re							
KP2 292x181x185 KP3 445x275x185 KP4 564x366x167 KP5/KP7 564x366x187 PROKP8 564x366x247 The total weight for small parts (in delivery packaging) must not weigh more than 28 kg! Delivery packaging 4.2.3 Maximum weight of packages/pallet use For both handling and SHEQ (Security, Health, Environment, Quality) reasons, provide packages with a weight from 30 kg additionally with a pallet. For ecological reasons or for reuse, the wooden pallets must be in an undamaged, serviceable condition. Preferably, exchangeable Euro pallets are to be used. For both handling and SHEQ (Security, Health, Environment, Quality) reasons, provide packages with a weight from 30 kg additionally with a pallet. For ecological reasons or for reuse, the wooden pallets must be in an undamaged, serviceable condition. Preferably, exchangeable Euro pallets are to be used. For both handling and SHEQ (Security Health, Environment, Quality) reasons, provide packages with a weight from 30 kg additionally with a pallet. For ecological reasons or for reuse, the wooden pallets must be in an undamaged, serviceable condition. Preferably, exchangeable Euro pallets are to be used. For both dift thicknesses of plywood boxes/hoods The following wall thicknesses must be - depending on the packed weight and the receiving area - used: For specifics such as container shipping see 4.16 + 4.17! 4.2.5 Sealing boxes To facilitate opening wooden crates and, if necessary, use them <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>							
KP3 445x275x185 KP4 564x366x167 KP5/KP7 564x366x187 KP6/KP8 564x366x247 * = Small parts container made of plastic. The total weight for small parts (in delivery packaging) must not weigh more than 28 kg! 4.2.3 Maximum weight of packages/pallet use For both handling and SHEQ (Security, Health, Environment, Quality) reasons, provide packages with a weight from 30 kg additionally with a pallet. For ecological reasons or for reuse, the wooden pallets must be in an undamaged, serviceable condition. Preferably, exchangeable Euro pallets are to be used. 4.2.4 Material thicknesses of plywood boxes/hoods The following wall thicknesses must be - depending on the packed weight and the receiving area - used: 10 mm < 300 kg, 12 mm > 300 - 10,000 kg, 15 mm > 10,000 kg. So-called armoured cardboard boxes (made of reinforced corrugated cardboard layers) may only be used where stacking is ensured. For specifics such as container shipping see 4.16 + 4.17! 4.2.5 Sealing boxes To facilitate opening wooden crates and, if necessary, use them					_		
KP4 564x366x167 KP5/KP7 564x366x187 KP6/KP8 564x366x127 * = Small parts container made of plastic. The total weight for small parts (in delivery packaging) must not weigh more than 28 kg! 4.2.3 Maximum weight of packages/pallet use For both handling and SHEQ (Security, Health, Environment, Quality) reasons, provide packages with a weight from 30 kg additionally with a pallet. For ecological reasons or for reuse, the wooden pallets must be in an undamaged, serviceable condition. Preferably, exchangeable Euro pallets are to be used. 4.2.4 Material thicknesses of plywood boxes/hoods The following wall thicknesses must be - depending on the packed weight and the receiving area - used: 10 mm < 300 kg, 12 mm > 300 – 10,000 kg, 15 mm > 10,000 kg. So-called armoured cardboard boxes (made of reinforced corrugated cardboard layers) may only be used where stacking is ensured. For specifics such as container shipping see 4.16 + 4.17! 4.2.5 Sealing boxes To facilitate opening wooden crates and, if necessary, use them							
KP5/KP7 564x366x187 KP6/KP8 564x366x247 * = Small parts container made of plastic. The total weight for small parts (in delivery packaging) must not weigh more than 28 kg! 4.2.3 Maximum weight of packages/pallet use For both handling and SHEQ (Security, Health, Environment, Quality) reasons, provide packages with a weight from 30 kg additionally with a pallet. For ecological reasons or for reuse, the wooden pallets must be in an undamaged, serviceable condition. Preferably, exchangeable Euro pallets are to be used. 4.2.4 Material thicknesses of plywood boxes/hoods The following wall thicknesses must be - depending on the packed weight and the receiving area - used: 10 mm < 300 kg, 12 mm > 300 – 10,000 kg, 15 mm > 10,000 kg. So-called armoured cardboard boxes (made of reinforced corrugated cardboard layers) may only be used where stacking is ensured. For specifics such as container shipping see 4.16 + 4.17! 4.2.5 Sealing boxes To facilitate opening wooden crates and, if necessary, use them							
KP6/KP8 564x366x247 * = Small parts container made of plastic. The total weight for small parts (in delivery packaging) must not weigh more than 28 kg! 4.2.3 Maximum weight of packages/pallet use For both handling and SHEQ (Security, Health, Environment, Quality) reasons, provide packages with a weight from 30 kg additionally with a pallet. For ecological reasons or for reuse, the wooden pallets must be in an undamaged, serviceable condition. Preferably, exchangeable Euro pallets are to be used. 4.2.4 Material thicknesses of plywood boxes/hoods The following wall thicknesses must be - depending on the packed weight and the receiving area - used: 10 mm < 300 kg, 12 mm > 300 – 10,000 kg, 15 mm > 10,000 kg. So-called armoured cardboard boxes (made of reinforced corrugated cardboard layers) may only be used where stacking is ensured. For specifics such as container shipping see 4.16 + 4.17! 4.2.5 Sealing boxes To facilitate opening wooden crates and, if necessary, use them							
 * = Small parts container made of plastic. The total weight for small parts (in delivery packaging) must not weigh more than 28 kg! 42.3 Maximum weight of packages/pallet use For both handling and SHEQ (Security, Health, Environment, Quality) reasons, provide packages with a weight from 30 kg additionally with a pallet. For ecological reasons or for reuse, the wooden pallets must be in an undamaged, serviceable condition. Preferably, exchangeable Euro pallets are to be used. 4.2.4 Material thicknesses of plywood boxes/hoods The following wall thicknesses must be - depending on the packed weight and the receiving area - used: 10 mm < 300 kg, 12 mm > 300 – 10,000 kg, 15 mm > 10,000 kg. So-called armoured cardboard boxes (made of reinforced corrugated cardboard layers) may only be used where stacking is ensured. For specifics such as container shipping see 4.16 + 4.17! 4.2.5 Sealing boxes To facilitate opening wooden crates and, if necessary, use them 							
The total weight for small parts (in delivery packaging) must not weigh more than 28 kg! 4.2.3 Maximum weight of packages/pallet use For both handling and SHEQ (Security, Health, Environment, Quality) reasons, provide packages with a weight from 30 kg additionally with a pallet. For ecological reasons or for reuse, the wooden pallets must be in an undamaged, serviceable condition. Preferably, exchangeable Euro pallets are to be used. 4.2.4 Material thicknesses of plywood boxes/hoods The following wall thicknesses must be - depending on the packed weight and the receiving area - used: 10 mm < 300 kg, 12 mm > 300 – 10,000 kg, 15 mm > 10,000 kg. So-called armoured cardboard boxes (made of reinforced corrugated cardboard layers) may only be used where stacking is ensured. For specifics such as container shipping see 4.16 + 4.17! 4.2.5 Sealing boxes To facilitate opening wooden crates and, if necessary, use them				L			
 must not weigh more than 28 kg! 4.2.3 Maximum weight of packages/pallet use For both handling and SHEQ (Security, Health, Environment, Quality) reasons, provide packages with a weight from 30 kg additionally with a pallet. For ecological reasons or for reuse, the wooden pallets must be in an undamaged, serviceable condition. Preferably, exchangeable Euro pallets are to be used. 4.2.4 Material thicknesses of plywood boxes/hoods The following wall thicknesses must be - depending on the packed weight and the receiving area - used: 10 mm < 300 kg, 12 mm > 300 - 10,000 kg, 15 mm > 10,000 kg. So-called armoured cardboard boxes (made of reinforced corrugated cardboard layers) may only be used where stacking is ensured. For specifics such as container shipping see 4.16 + 4.17! 4.2.5 Sealing boxes To facilitate opening wooden crates and, if necessary, use them 							
 4.2.3 Maximum weight of packages/pallet use For both handling and SHEQ (Security, Health, Environment, Quality) reasons, provide packages with a weight from 30 kg additionally with a pallet. For ecological reasons or for reuse, the wooden pallets must be in an undamaged, serviceable condition. Preferably, exchangeable Euro pallets are to be used. 4.2.4 Material thicknesses of plywood boxes/hoods The following wall thicknesses must be - depending on the packed weight and the receiving area - used: 10 mm < 300 kg, 12 mm > 300 - 10,000 kg, 15 mm > 10,000 kg. So-called armoured cardboard boxes (made of reinforced corrugated cardboard layers) may only be used where stacking is ensured. For specifics such as container shipping see 4.16 + 4.17! 4.2.5 Sealing boxes To facilitate opening wooden crates and, if necessary, use them 				iging)			
 For both handling and SHEQ (Security, Health, Environment, Quality) reasons, provide packages with a weight from 30 kg additionally with a pallet. For ecological reasons or for reuse, the wooden pallets must be in an undamaged, serviceable condition. Preferably, exchangeable Euro pallets are to be used. 4.2.4 Material thicknesses of plywood boxes/hoods The following <u>wall thicknesses must be - depending on the packed weight and the receiving area - used:</u> 10 mm < 300 kg, 12 mm > 300 - 10,000 kg, 15 mm > 10,000 kg. So-called armoured cardboard boxes (made of reinforced corrugated cardboard layers) may only be used where stacking is ensured. For specifics such as container shipping see 4.16 + 4.17! 4.2.5 Sealing boxes To facilitate opening wooden crates and, if necessary, use them 		must not weig	gh more than 28 kg!				
For specifics such as container shipping see 4.16 + 4.17! 4.2.5 Sealing boxes To facilitate opening wooden crates and, if necessary, use them	4.2.4	Quality) reaso additionally w For ecologica in an undama Preferably, ex Material thio The following packed weigh 10 mm < 300 12 mm > 300 15 mm > 10,0 So-called arm corrugated ca	ons, provide packages with a weight with a pallet. al reasons or for reuse, the wooden paged, serviceable condition. Acchangeable Euro pallets are to be a cknesses of plywood boxes/hood a wall thicknesses must be - dependent and the receiving area - used: b kg, b - 10,000 kg, 2000 kg. moured cardboard boxes (made of re	t from : pallets used. s ing on	30 kg must be the		
for direct forwarding to customers or from customer to customer, they should be closed for environmental reasons (reusability) using Torx (Fig. 3) or Spax screws (Fig. 4). Fastening with nails is not permitted. Permitted are also so-called plywood folding boxes (fixation of the cover with clinching eyelets and/or strapping of lid on the folding frame).	4.2.5	Sealing box To facilitate of for direct forw they should b using Torx (F not permitted Permitted are cover with clin	pening wooden crates and, if neces varding to customers or from custom be closed for environmental reasons fig. 3) or Spax screws (Fig. 4). Faste e also so-called plywood folding box	ssary, u ner to c (reusa ening w es (fixa	use them customer, ibility) rith nails is ation of the	Fig. 3	Fig. 4

4.2.6	Sealing cartons Close cartons with double-T-bonding. For environmental reasons, so-called paper-based wet adhesive tapes are preferred as closure tapes; adhesive tapes with plastic backing material are also accepted. Air freight consignments must also be provided with tamper-proof security sealing tape, see also 2.14!
4.2.7	Outer packaging If multiple packages will be shipped, they can be wrapped together. The same regulations as for individual packages apply. Marking and requirements of shipping documents are described in chapters 5+6.
4.3	Transport monitoring
4.3.1	Transport monitoring systems Sensitive materials which could suffer damage even with solid outer packaging must be provided with a transport monitoring indicator in the interior of the packaging (E.g.: "Tiltwatch", "Shock Watch"). The indicators must correspond to the sensitivity of the packed product. If products must not be tilted over a defined angle on their way to the customer (e.g. helium-filled pumps), tamper-proof tilt indicators (e.g. "Tipp-N-Tell") must be used.
4.4	Dangerous goods/special packaging/container shipping/release of packaging material
4.4.1	Dangerous goods packaging Dangerous goods must be packed and labelled in accordance with international regulations (ADR, IATA regulations, etc.). Use solely specially approved packaging materials for packaging (e.g. with UN certification). Duly mark the packages (e.g. with stickers/labels) (see also "2.15 Labels").
4.4.2	Special packaging If there are further special features beyond the packaging and delivery instructions, these will be described separately in the purchase order text (as product specification) and/or separate delivery specification by Leybold (responsible: Procurement) and must be followed accordingly.



4.4.3	 Container shipping/container storage When shipping in containers, the following should be taken into account, among other things (here are the most important points): 1. Packages (boxes, cartons, pallets) must be secured
	against slipping and tipping in the container (e.g. by wooden dunnage in the container floor, stowage bags (see figure above), ropes, belts, chains, lashing). Comply with the regulations on load restraints here!
	2. Arrange the packages inside the container with uniform weight distribution.
	3. If packages are stacked in the container it must be ensured that the lower packages for stacking are able to withstand dynamic transport loads and are secured against falling down (e.g. by strapping, skinning, stowing).
	4. Materials standing on the container floor must be secured on pallets or packed in boxes so that they can be unloaded without risk.
	5. Never exceed the highest (container) load-bearing capacity.
	6. Do not fumigate the container.
	7. Containers must be sealed with a numbered seal.
	8. Goods in the container must be protected against moisture and corrosion (see also sea freight (seaworthy) packaging 4.1.6).
	In all other respects the provisions of IMO (International Maritime Organization) apply!
4.4.4	Release of packaging material for merchandise Before the start of a regular delivery, have the intended packaging and packaging techniques approved by Leybold, Logistics Dept.
	For this purpose, send a packaging sample and/or drawing.



4.5 Contamination of products

4.5.1 Contaminated material

Used and/or contaminated (chemically, biologically or radiation contaminated) products (e.g. pumps) may only be delivered to Leybold Dresden!

The risk of the escape of substances that are harmful to health or of radiation must be prevented prior to the unpacking process!

If contaminated materials (e.g. pumps for repair/maintenance) are delivered, these must be <u>clearly visible</u> (contamination declaration) <u>before unpacking</u>.

The Leybold Service/Return Form (Declaration of Contamination) which is absolutely necessary for this purpose is available on the Leybold website and must be used!

https://www.leybold.com/en/downloads/download-documents/declaration-of-contamination/

The internationally valid warning markings as well as the contamination certificate to be requested (from Leybold prior to shipment) must be attached to the outside of the package <u>and</u> directly to the material.

Leybold reserves the right to hold the originator liable for any kind of impairment (affecting people, goods or the environment)!

5.	Special provisions for commercial goods
5.1	Shipping (ZEG)-capability The product packaging must be suitable for the individual dispatch of the product (ZEG). I.e. forwarding must be possible without repackaging or additional outer packaging. For this purpose, there must be sufficient space on the packaging for address labels/delivery notes, etc.
5.2	Markings, labels, etc. The pure product packaging must not be provided with any additional markings such as shipping stickers.
5.3	Secure the products within the packaging Products or parts must be restrained in the packaging so that they are fixed and secured against movement e.g. bumping into each other (s. also 4.1
5.4	Stackability of packed products Packed products must be stackable. Avoid curved surfaces.
	The maximum stacking height for our rack systems is (maximum):
	In Köln: 110 cm,
	in Dresden: 120 cm,
	in Valence (France): 200 cm
	in Tianjin (China): 110 cm.
5.5	Sealing packages The product packaging must be sealed with adhesive tape and be protected against manipulation (s. 4.2.5+4.2.6+8.10) in compliance with the LBA (Federal Air Cargo Authority).
5.6	Product marking On the face of the product packaging (top right) (as per the gluing instruction), the product must clearly bear the Leybold standard label (see 5.6.1).

O:\OPIOP-Logistics\OP_Logistics_Administration\Logemann\Projekte\Anliefer- Und Verpackungsvorschriften Für Leybold Lieferanten\2022\Verpackungs- Und Anliefervorschrift Leybold 2022_EN.Docx

Ley	/bold

5.6.1	Material: Double labels (Mat.no: 15703801) In order to ensure the identification of the packed products and to carry out all storage and shipping processes smoothly, all delivered packages must bear the double labels shown below and comply with the regulations for content and form. Your responsible purchaser will provide you with information regarding the respective branding (company logos)! The labels can be obtained role-wise (1,500 pieces/role) from Leybold, Order Management Department in Köln.					
5.6.1.1	("Arial" for	el without serial number it) pold logo (38 x 9 mm):	Leybold	27.04.2020 ZEG		
		late (height: 3 mm)		LLU		
	Note on sing	le shipment (ZEG) (height: 5 mm),	EK110003002 Shaft feedthrough kit WH2500			
	if the packag	e is suitable for individual shipment and	Mat. No. [[]]]] ###############################			
	is stipulated	by Leybold, see 5.1.				
	Line 1 mm).	Material no. of the product (in plain text) (height: 5	Mat. No.			
	Line 2	Material no. of the product (in plain text) (height: 3	Mat. No.			
	mm). Line 3-5 Par	t number (Part No.) in barcode type 128	EK110003002			
		(height: 5 mm)				
		and in plain text (height: 2 mm).				
	Please alway packaging. The two lowe remaining or	s two perforations (after Line 3 and Line 4). ys glue only the top part of the label to the product er parts must be enclosed with the product the carrier material of the label and are required for essing at Leybold.				



5.6.1.2	("Arial" font Header Leyb Production da Note on singl	old logo (38 x 9 mm): ate (height: 3 mm) e shipment (ZEG) (height: 5 mm), e is suitable for individual shipment and	Zr.04.2020 ZEG 800160V1017V TW 400 - 300 - 25; CARTRIDGE with purge/vent Mat. No. Beenewine Serial No Statistic Statistic Statistic	
	Line 1 mm). Line 2 Materi	Material no. of the product (in plain text) (height: 5 al text of the product (in plain text), (height: 3 mm)	800160/10170 Serial No 31001321171 Mat. No. 900160/10170 Serial No 900150/10170 Serial No 900150/10170 31001321171	
	Line 3-8 Part	number (Part No.) in barcode type 128 (height: 5 mm)		
		and in plain text (height: 2 mm) each left-aligned!		
	type 128	Serial number (S/N) number (Part No.) in barcode		
	(height: 5 m			
		text (height: 2 mm) each right-aligned!		
	Please alway packaging. The two lowe remaining on	two perforations (after Line 3 and Line 4). Is glue only the top part of the label to the product or parts must be enclosed with the product the carrier material of the label and are required for ssing at Leybold.		
6.	Mark the pac	ompanying documents (accompanying documen kages in accordance with DIN 55402. documents and their contents are defined below.	ts)	
6.1	 Delivery note One delivery note per package/pallet/order <u>outside</u> (in a delivery note pocket) must be present on the (outer)packaging and <u>inside</u> the packaging. It shall contain the following information: (a) Address of Leybold, with place of unloading where applicable and, if known, consignee b) Delivery date/times, if applicable (c) Leybold order number and position (d) Leybold material number and name (if known) e) Delivery quantity/material incl. unit of measure f) Delivery quantity of the PU (if agreed) g) Serial number (in plain text and barcode 128), (for products requiring serial numbers); also possible as separate sheet) (h) For goods with a limited shelf life: expiry date (i) If there are several packages within one outer packaging, these must also be provided with a delivery note (outside and inside) for each order number. 			
6.2	If a delivery c	t (for deliveries with multiple items) comprises several packages, for reasons of a comple n the package number and the total number of packa		

0:10PiOP-Logistics/OP_Logistics_Administration/Logemann/Projekte/Anliefer- Und Verpackungsvorschriften Für Leybeid Lieferanten/2022/Verpackungs- Und Anliefervorschrift Leybeid 2022_EN.Docz



(6.3	Delivery on pallets If delivery is made on several pallets (e.g. oil containers), the following points are mandatory must be heeded:
		a) Never more than one material number per pallet, that is, no different materials per pallet
		b) A delivery note stating the quantity of this material number per pallet (pallet quantity)
(6.4	 Packing Units (PU's) Leybold specific packaging units (PU) must be clearly identifiable and marked with the following data: a) Delivery quantity of the PU b) Leybold order no. and order line c) Leybold material no. d) Serial number in plain text and barcode 128 e) Expiry date for goods with a limited shelf life Compliance with the packing units agreed in the order text is mandatory!
(6.5	Delivery provisions Individual consignments with a max. weight < 30.0 kg can be delivered without Euro pallets. They should be provided with a hazard warning (sticker/label) regarding the weight. Packages ≥ 30.0 kg must be delivered on (Euro)pallets. Technical data: EURO Pallet Dimensions: 1,200 x 800 mm Max. packing height: 1,100 mm Max. weight: 1,200 kg For ecological reasons or for reuse, the pallets must be in an undamaged, serviceable condition. Deliveries on damaged pallets will be rejected. Euro pallets must be in exchangeable condition!
(6.5.1	Delivery on Euro pallets and in wire mesh baskets Pallet accounts are undesirable, however there is pallet or skeleton box exchange during all deliveries.
(6.5.2	Delivery in Leybold means of transport Always deliver transportation equipment - boxes (TM) provided Leybold provided complete - i.e. including covers and inserts. Empty transportation equipment is available from in-company transport (Logistics Dept.).
(6.6	Single layers Individual layers within a packaging unit must have identical quantities; only the top layer may differ in quantity.

7.	Imports For import shipments, only wood packaging treated in accordance with IPPC/ISPM15 may be used, provided that the packaging used contains solid wood! See 2.1. The corresponding HT (Heat-Treatment) certificate of the pallet or crate manufacturer must be enclosed. To be able to prepare the delivery of imports in advance, you must transmit the following documents (simultaneously) to our "Forwarding Operations" (Logistics Dept.):
7.1	 Customs invoice It must contain the following information: Any possible preference information, The description of the material incl. goods tariff number and country of origin (for country of origin Germany: country of origin+ region of origin!) The Leybold order number and (if known) The Leybold material number
7.2	 Freight bill (waybill) It must be possible to infer the following details: Leybold order number Flight data or tracking number and the executing carrier.



8.	Rules to be respected
8.1	VerpackG (Packaging Act) (2022) The amended Packaging Act applies exclusively to shipments to private end consumers and does not apply to B2B (Business to Business) internal relationships!
8.2	HPE policies In the case of packaging made of wood are the recommendations of the "Federal Association of wood packaging, pallet, export packaging e.V.", in collaboration with the BFSV Hamburg has been developed to take into account. The relevant information can be found - also in English - on the HPE homepage: <u>. http://www.hpe.de</u> .
8.3	IATA (International Air Transport Association) For airfreight shipments the IATA regulations must be adhered to (especially for dangerous goods)!
8.4	IPPC (International Plant Protection Convention) The related rules regulate for instance the treatment of solid wood (IPPC/ISPM15).
8.5	DIN standards Attach warning signs (mark e.g. dangerous goods).
8.6	IMO (International Maritime Organisation Rules on container shipping.
8.7	CEN (Comité Européen de Normalisation, s. Europ. Committee for Standardisation) Rules etc. for securing cargo.
8.8	Legal Significance and Sanctions These rules and regulations have a status equal to our "General Terms and Conditions" and are an integral part of the contracts with the Leybold suppliers. Non-compliance with these guidelines can lead to a financial burden for the supplier or to a return of the goods shipment or refusal of acceptance.
8.9	ISTA (packaging tests) If packaging tests are required, these must be carried out in accordance with the internationally applicable ISTA standard. Packaging tests in accordance with deviating standards (e.g. UPS) must be agreed in advance with Leybold (Logistics).
8.10	 LBA (Federal Air Cargo Authority) All airfreight consignments must be LBA-compliant, i.e. tamper-proof and packed by certified employees. Security seal labels are helpful here. For sealing parcels, see 4.2.6! As a known shipper, Leybold is obliged to take various precautionary measures to protect air cargo shipments. This includes, among other things, packing consignments in such a way that they are sealed all around and do not offer any possibility of manipulation (e.g. subsequent insertion of objects). Employees who have access to air cargo shipments must regularly pass a background check (ZÜP) with the competent authority or the certified service provider and be able to prove their knowledge in this regard by means of seminar participation and a positive examination result.
9.	Entry into force and validity These packing and delivery instructions replace the delivery and packing instructions of 22.03.2017, (Edition 04), come into force with immediate effect and are valid until further notice.



10. Transitional regulation

These regulations first apply upon transmission to the respective supplier, i.e. with the subsequent order from Leybold.

Deliveries and contracts running until then are based on the known, previous delivery regulations.

11.	Other
11.1	Delivery times (all times local) All deliveries of goods are accepted
	at the Cologne plant: Monday to Friday from 6:45 to 14:30 at the Dresden plant: Monday to Friday from 8:00 to 16:00 at the Valence plant: Monday till Friday, 7:30h to 16:00h at Tianjin plant*: 9 a.m. and 5 p.m. on workdays *SCM CN670-warehouse
11.2	Current version of the packaging and delivery specifications: The respectively valid, current version can be found (in 4 languages) on the homepage of Leybold GmbH, Köln https://www.leybold.com/de/about-us/suppliers.
11.2	Questions: If you have any questions regarding the packaging and delivery regulations, please contact your responsible buyer.
11.3	Photos: Leybold Köln and - courtesy of - the company Ratioform Verpackungen, Köln.

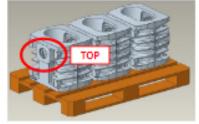
Epilogue

Our environment must be a matter close to all of our hearts. We don't want to see images like this. Let's make our contribution to a clean environment! Right now!



Appendix: Packaging specification (customer and supplier side)

Atlas Copco Leybold GmbH Cologne			Anlieferspezifikation			2 Sette 1 S. Wolter
Projekt-/Produkt	V135C	Material-Nr.		110003508	Ersteller TelNr.	1596
PVB/Lagerort		Set-Nr.		110003508	Datum	04.06.2021
Einzelgewicht Produkt-Hir.	138,97 kg 100271001010000	Bezeichnung	Pump	engehäuse V135C	Arbeitsvorg zugehörig	
Allgemein		Einz	elverpackung	Sammelverpackung		ndverpackung/
Stück / Verpackur	ngseinheit		STK (Baulel)		Pend	delverpackung 3
Behälter- / Verpad	kunas-Tvp	Nich	t erforderlich	Nicht erforderlich		Europalette
	erial-Nr. (Behälter)		0	0	15703952	
Gesamtgewicht (E	Brutto)		0,00 kg	0,00 kg	442,71 kg	
Label			elverpackung	Sammelverpackung		ndverpackung/
Materialnummer			STK (Bautel)		Pend	elverpackung x
Menge						x
Produktionsdatum	1					x
Position						Vome
Größe [mm]						
ZEG Spezifikation	1					
Sonstiges			elverpackung	Sammelverpackung		ndverpackung/
Besondere Ausric	htung der Bauteile		STK (Bautel)			end erforderlich
Korrosionsschutz	~					
Bauteil-Reinheit						
Stückliste Tran	sportmittel Anza	ahl Be	zeichnung	IM-Nummer/Material-Nr. (Dahälter)	G	ewicht [KG]
1			t erforderlich	(Behälter) 0	0.00	
2		0 Nict	t erforderlich	0	0,00	
3	1	1 E	uropalette	15703952	25,80	
4		3 Sid	herungsband	0		0,00
5		2 Holz Ra	hmen 1200x800	6541255		20,00
6	1	1 Holz D	eckel 1200x800	6541254		5,00
7	1	1		0		0,00
8		0		0		0,00
9		0		0		0,00
10		0		0		0,00
Bemerkungen	1:			Gesamtgewicht (Brutto) Bautele+Transportmittel		467,71 kg
Anordnung de Bauteile mit P	er Bauteile nac Pos. 4 Sicherun	h Fotodokumen Igsband einzeln	tation. Unalit Plat gesichert (Mater	it und in Tadellosem Zustan tte 1x unter den Bauteilen. ial: Kunststoff).	a.	
Dokumentatio	n / Fotos / 3D M	Modell / Zeichnur	ng			
0	0	Ō		TOP		
		-				



Atlas Copco	Vacuum Technique Leybold GmbH Cologne		Packagingspecification		Flav. Doc.No.	2 Page 1/	
					Creator	S. Wolter	
Projekt-/Product	V135C		Material-No. 110003508		TelNo.:	1596	
WB Simple Wainks	100.071	Set-No.			Date	04.06.2021	
Single Weight Product-Hir.	138,97 kg 10027100101000000	Name	Pump	housing V135C	Work Pr related		
General	10027100101000000		t Packaging	Collective Packaging	Ship	ping Packaging/	
	1.5		Piece (Part)	Collective Packaging	Pen	dulum Packaging	
viece/Packaging			0 ot required	Not required			
24 C	rial-Number (Packagin		0	Not required		Europalette 15703952	
otal weight (Con		87	0.00 kg	0,00 kg	_	442.71 kg	
abel	ponentaj	Uni	t Packaging	Collective Packaging	Ship	pping Packaging/	
		1	Piece (Part)	Collective Packaging	Pene	dulum Packaging	
laterialnumber						x	
mount		_				x	
Production Date						X	
Position						Front	
Size [mm] /EC Secritization							
EG Spezification		Uni	t Packaging	0.0.1	Shir	ping Packaging/	
Others			Piece (Part)	Collective Packaging	Pene	dulum Packaging	
	of the components				Ab	solutely Essential	
Anticorrosive							
Part Purity		_		TM-Number/Material-No.	_		
BOM Delivery E	Sox Amou	nt Do	esignation	(Packaging)		Weight [KG]	
	0	N	ot required	0		0,00	
Ł	0	N	ot required	0		0,00	
3	1	E	uropalette	15703952		25,80	
k i i i i i i i i i i i i i i i i i i i	3		curity Tape	0		0,00	
5	2		Frame 1200x800	6541255		20,00	
	1	Wood	Cover 1200x800	6541254		5,00	
1	1			0		0,00	
3	0	_		0		0,00	
	0			0		0,00	
0	0			0 Total Weight (Brutto)	_	0,00	
Comments:				Parts + Packaging t damaged and in mint con		467,71 kg	
	naterial as shown I separately with						
)ocumentatio	n / Photos / 3D M	odel / Drawing					
0	0(
		Тор	A				