Base Load Power Hub (BLPH)

PACKING, HANDLING, SHIPPING, PRESERVATION AND STORAGE PROCEDURES

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ROSETTI MARINO

1	APPROVED - WORK MAY PROCEED
2N	REVISE AND RE-SUBMIT - DO NOT PROCEED
2Y	REVISE AND RE-SUBMIT - WORK MAY PROCEED
3	REJECTED
4	APPROVAL NOT REQUIRED

NOTE: Approval doesn't relieve the supplier from mandatory compliance with contractual documents and specifications. Comments made do not imply acceptance of any cost or delivery impact.

Sign	Date
Rosoli Leonardo	23/05/2024

Rev.	Date	Description	Prepared	Reviewed	Approved
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technical

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Revision / Change Log

Rev.	Description
00	Issue for Information (IFI)
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1.	
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1 - GENERAL

This amendment to the Packing procedure PP17 is issued in response to questions raised up by the customer regarding certain packaging details

2 - AMENDMENTS

Substitute the chapter 3.1 third paragraph:

"- Check threaded and/or flanged connections; that are free of dents or damages and put the protective caps."

with

"- Flange and thread ends must be protected with firmly attached plastic caps to prevent dirt from entering the valve. Unless otherwise agreed, the machined surfaces of carbon steel flanges (the raised face with not painted surfaces) must be protected with Tectyl 800D or equivalent. Threfore, check that flanges and threaded ends are free of dents or damages, check that the machined surfaces (the raised face with not painted surfaces) of carbon steel flanges are protected with Tectyl 800D or equivalvent, and put on all the ends the relevant plastic caps."

Substitute the chapter 3.1 last sentence:

"Before proceeding with the packaging of the material should be spread a layer of foam on the bottom of the case; just the foam sets, place the material on the layer and secure it with another layer of foam above up to the brim of the case."

with

"All valves must be adequately secured with bolts, clamps, support beams, cardboard or self-modelling protective foam, depending on the type of box, the weight and size of the valve and the number of valves in the box, so as to prevent internal movement and/or loosening. Valve parts and materials which may be subject to damage by vibration and/or shock, must be protected using shock-absorbing material."

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ISSUED BY: DIREZIONE TECNICA	APPROVED BY: QUALITY ASSURANCE
SIGNATURE:	SIGNATURE:

1 - GENERAL

The procedure takes care of the arrangements and requirements that govern the packaging. The task of this procedure is to ensure that packages are suited to protect the material sent in the manner required in the order.

2 - DEFINITIONS

2.1 - Cardboard box
Packaging consists of triple pack cardboard box with adhesive tape, assembly made at the shipment of the material.

2.2 - Plywood case
Packaging consists of plywood walls combined with plastic metal hinges plywood bottom and lid with wooden straigthedges; assembly made at the shipment of the material.

2.3 - Wooden case
Packaging consists of walls, bottom and lid wooden boards thick enough to withstand the weight of packaging material; raised floor with wooden beams high 10 cm, walls and cover reinforced with wooden boards of equal thickness, dimensions as dimensions of the material be packaged.

2.4 - Case for sea packaging
Packaging with features like the "wooden case" but with the addition of tarred paper on the inside walls and a sealant barrier bag when required in order.

2.5 - Case for air packaging
Packaging consists of walls, bottom and lid of plywood; raised floor with wooden beams high 10 cm lid with wooden straigthedges.

2.6 - Pallet
Packaging consists of base in wooden boards having 2 cm thickness fixed on wooden beams high 10 cm , with traverse wooden boards for stiffening; dimensions 80x120 cm.

2.7 - Polythene bag
Packaging consists of heat sealed polythene bag at the shipment of the material.

3 - CONTENTS

3.1 - Material preparation

Packers when receive the product ready to be dispatched proceed as follows:

- Check the correct product-identification, comparing data stated on the internal certificate with data engraved on the metal label of the valve;
- Carry out visual check of the product that is free of dents or damages; any adjustments with the same paint color shown on the internal certificate;
- Check threaded and/or flanged connections; that are free of dents or damages and put the protective caps;
- Divide products as per Job number, referring to internal certificate.

Before proceeding with the packaging of the material should be spread a layer of foam on the bottom of the case; just the foam sets, place the material on the layer and secure it with another layer of foam above up to the brim of the case.

3. 2 - Standard packaging

Weight	Packaging type
up to 25 kg	Cardboard box
from 25 to 50 kg	Plywood case
over 50 kg	Wooden case

3.3 - Dimensions

– Use cardboard boxes for sizes within their capacity.

– For sizes over the capacity of the cardboard boxes and up to the capacity of plywood case use them.

– For sizes over the capacity of plywood case use wooden case.

3.4 - Closing

– For national forwarding of cardboard box packaging use an adhesive plasticized tape and, if necessary, reinforce with straps.

– For forwarding in plywood case use protective material in paper or wooden strips to lock the products and steel nails to close the lid.

– For forwarding in wooden case use wooden strips of wood to lock the products and steel nails to close the lid.

3.5 - Maximum stacking

Packaging type	Number of packages stacked
Cardboard box	5
Plywood case	4
Wooden case	3

3.6 - Identification

– For cardboard box use the adhesive label supplied by Commercial Department along with the delivery note; while waiting for the label, it is necessary to informally write on packages, using a permanent marker, Customer name, job number, quantity of products inside.

– For plywood box use the adhesive label supplied by Commercial Department along with the delivery note; while waiting for the label it is necessary to informally write on packages, using a permanent marker, Customer name, job number, quantity of products inside.

– For wooden case, use the adhesive label supplied by Commercial Department along with the delivery note; while waiting for the label, it is necessary to informally write on packages, using a permanent marker, Customer name, job number, quantity of products inside. In case of shipments towards non-European market, packing lists provided by Commercial Department are posted on the four sides and on the top of the case.

3.7 - Priority of choice for the packaging

Weight (Kg.)	Dimensions (cm)	Packaging type
up to25	max 36x27x23	Cardboard box
from 25 to 50	max 33x46x26	Plywood case
over 50	max 150x200x100	Wooden case

For voluminous products may be used cardboard boxes that are larger than that indicated in the table.

3.8 – Anchor of the material on the mean of transport

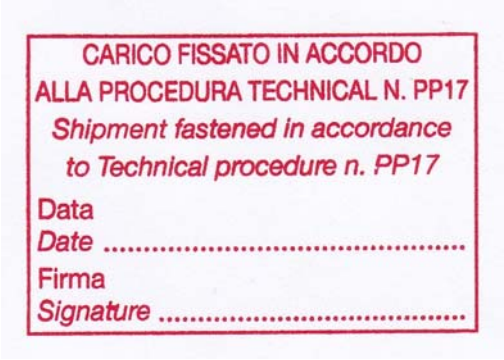
Technical for security purposes requires truck drivers that loads, wider than 90x60x70 cm., should be fixed to the loader-bottom of the vehicle with ratchet straps of suitable capacity and in good conditions.



Ratchet Strap example


Fixing Example

For loads that have dimensions for which loader-bottom fixing is necessary, it is stated on the shipping document the below stamp.



When truck driver has finished to set the load, has also to sign the dedicated space in the stamp place, in order to attest that the load has been anchored to the vehicle as described in this paragraph.

1. Le valvole vanno lasciate nel loro imballo originale fino al momento dell'installazione.
2. Se gli imballaggi vengono aperti per ispezionare le valvole, allora vanno accuratamente richiusi dopo l'attività, ripristinando che condizioni originarie dell'imballo.
3. Le scatole o casse contenenti le valvole vanno conservate al coperto, protette dagli agenti atmosferici e dalla polvere in modo da evitare il formarsi di condensa all'interno delle valvole.
4. Qualora le valvole vengano rimosse dal loro imballaggio originale, allora la loro conservazione deve avvenire in locali chiusi e asciutti e protette dagli agenti atmosferici e dalla polvere.

1. *Valves must be left in their original packaging until the moment of installation.*
2. *If the packages are opened to inspect the valves, then they must be carefully closed after the activity, restoring the original conditions of the packaging*
3. *The boxes or crates containing the valves must be stored under a roof, protected from atmospheric agents and dust in order to avoid the formation of condensation inside the valves.*
4. *If the valves are removed from their original packaging, then their storage must be done in closed and dry rooms and protected from atmospheric agents and dust.*

REV	DATE	DESCRIPTION	PREP.	CHECK	APPR.
3	05/05/2022	General revision.	CS	LDV	CS
2	02/11/2017	Reference to INAIL added; point 4 added	PD	LDV	PD
1	29/04/2009	Revision and addition of distribution list	PD	LDV	PD
0	28/04/2002	First issue	PD	LDV	PD

5. Gli attacchi di ingresso e uscita delle valvole devono essere tenuti chiusi e protetti dall'ingresso di sporcizia e corpi estranei.

6. È fortemente raccomandato di controllare la corretta taratura delle valvole di sicurezza dopo 2 anni di immagazzinamento (ATTENZIONE: normative locali possono stabilire il controllo della taratura secondo intervalli diversi).

NOTA PER L'ITALIA: La durata della conservazione influisce sulla validità certificativa di taratura INAIL delle valvole di sicurezza: se le valvole non vengono installate entro i sei mesi, il tecnico INAIL può chiedere il ricollaudo delle valvole (salvo diverse norme locali o esenzioni dell'impianto specifico). La durata massima di validità della certificazione delle valvole di sicurezza è di due anni dopo i quali occorre sottoporle a revisione.

5. *The inlet and outlet connections of the valves must be kept closed and protected from the ingress of dirt and foreign particles.*

6. *It is strongly recommended to check the correct set pressure of the safety valves after 2 years of storage (ATTENTION: local regulations may establish the set pressure verification at different intervals).*

NOTE FOR ITALY: *The duration of storage affects the validity of the INAIL set pressure certification of the safety valves: if the valves are not installed within six months, the INAIL technician can request the valves to be retested (unless otherwise specified in local regulations or exemptions of the specific plant). The maximum duration of validity of the certification of safety valves is two years after which they must be overhauled.*