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ADVANCE

Easy Moving

ASSEMBLY, USE AND MAINTENANCE MANUAL

Fuel storage tank

TEXSILO 120





FUEL STORAGE TANK

TEXSILO 120

INSTRUCTION MANUAL

- Type: Fuel storage tank
- Model: TEXSILO 120
- Revision 1.0.2

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1 INTRODUCTION

Dear customer,
the manufacturer would firstly like to thank you for the choice you made in buying an of our product, whose technical features will certainly meet Your needs.

Our products have been designed and manufactured in total compliance with the current regulations, by choosing the best materials to obtain durability and ease of use of the product.

We ask you, therefore, to read this manual carefully and completely, following strictly the instructions contained herein.

1.1 Use of this manual

The instruction manual is a document drawn up by the manufacturer and is part of the product: it integrates the specific rules of application and general rules for people, animals and objects safety. In the event that the product is resold, handed over, rented or sold to others, it must always be accompanied by this manual; therefore, it is recommended to use and keep it with care for the entire operative life of the product.

The main objective of this manual is to make known the proper and safe way to use the equipment.

No part of this manual may be reproduced, copied, or shared in any way, without the written permission of the manufacturer.

The manufacturer reserves the right to make improvements or modifications to this manual and to the equipment at any time, without obligation to advise third parties.

2 WARNINGS

- Do not use the machine for any improper use.
- Do not let children near the machine.
- This unit must not be used by people (including children) with reduced physical, sensory or mental capabilities, or with lack of experience and knowledge, unless they are supervised or instructed in the use of the unit by a person responsible for their safety.
- Use only original spare parts.
- In order to be able to operate easily on the tank, you must leave all around and above it a space of at least 50 cm which must be completely free from any obstacle.
- This tank can contain only wood pellet and olive pomace
- Before proceeding to the first filling of the tank check that it is properly installed with a spirit level and that all fixing screws are tight.
- After the first filling, tighten all screws again.
- It is forbidden to add other loads or weights to the tank in addition to the one of the fuel contained therein.
- Never use the tank structure as a carrier or fixing element for any other support or equipment.
- It is necessary to ventilate the environment where the tank is installed during loading.

The manufacturer declines any liability or guarantee, if the buyer or anyone makes changes or even minor modifications to the purchased product.

3 INSTALLER'S RESPONSIBILITIES

To ensure proper operation of the product, follow these guidelines:

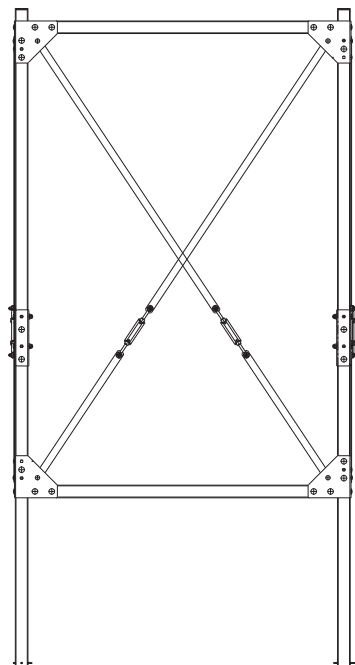
- Only perform the activities described in these instructions
- Perform all activities in accordance with applicable regulations
- Explain to the user the operation and use of the product
- Explain to the user how to maintain the product
- Report to the user the potential dangers related to the use of the product

4 CONSTRUCTION FEATURES

- painted steel structure
- high-strength polypropylene fabric
- Ø 650 mm upper filling pipe
- Ø 260 mm lower extraction poin

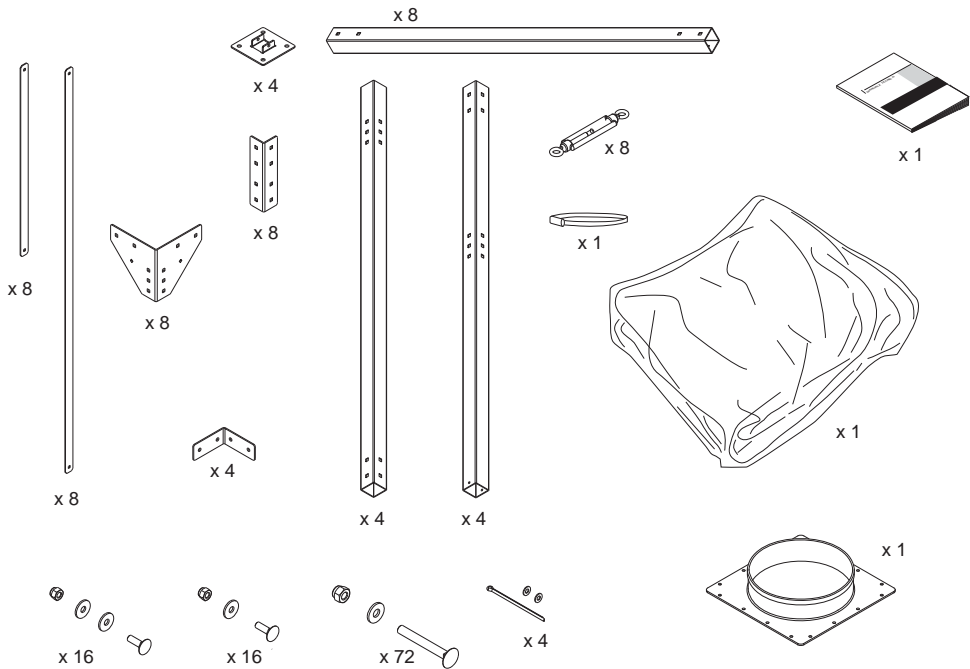
5 WEIGHTS AND MEASURES TABLE

Article		AP3450.12.12
Model		Texsilo 120
Weight	Kg	74
Width and depth	Cm	120
Height	Cm	234
Fuel bag volume	m ³	1,9
Bag safety factor		6:1
Fabric	gr/m ²	200
Antistatic fabric	tipe	B
Useful capacity	Ton	1,2
Maximum capacity	Ton	1,4
Operating temperature min/max	C°	-10 ÷ +50
Degree of humidity min/max	%	30 ÷ 95



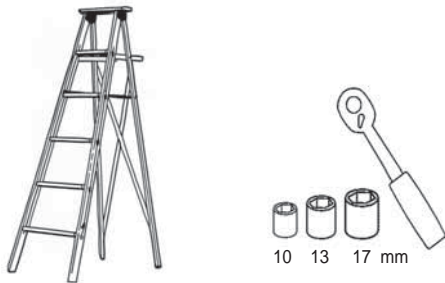
6 CHECK OF PACKAGING CONTENT

After opening the packaging, make an inventory of what you have received, which should consist of:



Check that the product corresponds to the one ordered and that no transportation damage is evident. Should this not be the case, please contact immediately the seller.

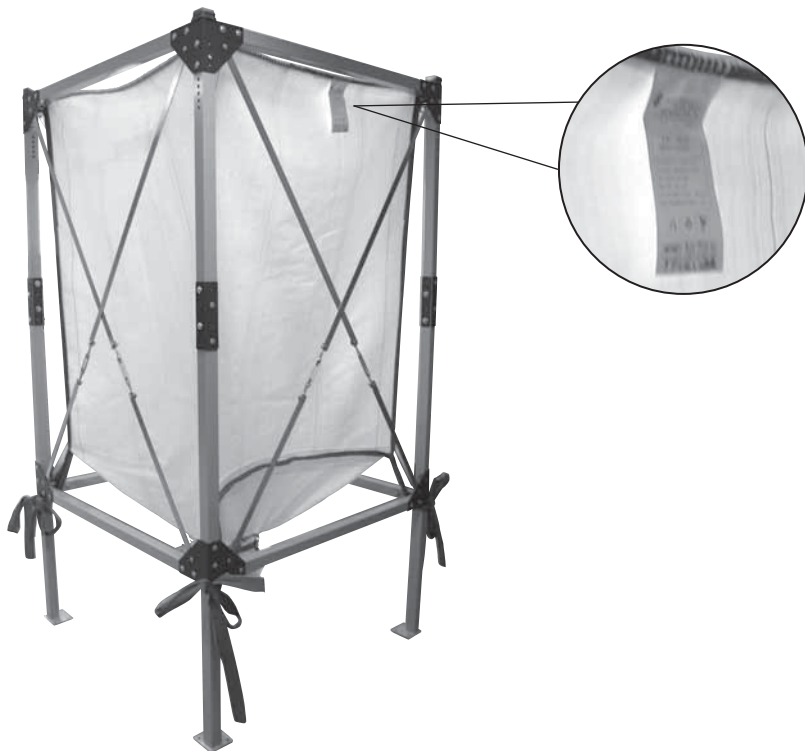
7 ASSEMBLY EQUIPMENT



8 IDENTIFICATION PLATE

Do not remove or damage the identification plate.

English



9 PROPER USE OF THE PRODUCT

This stock tank is designed to be installed in a pneumatic transport system for pellets or other biomass fuels such as olive kernels and corn; it cannot contain fuels with excessive particle sizes and in any case with lengths greater than 40 mm or diameters greater than 15 mm.

For pellets, we recommend to use only ENplus A1-certified pellet.

It cannot store substances that are not biomass fuels and that have excessive or too fine dimensions, sharp or abrasive surfaces or that are easily compactable.

The tank is not predisposed to be loaded by pressure blowing of the fuel inside it, therefore it should not be loaded by tanker, but only manually or mechanically and only by fall from the loading inlet on the top.

The loading of the tank can be carried out by manual filling of fuel contained in bags or big bags.

Fuel extraction can be made both from the lower and the upper opening by one of the devices in the catalog.

10 INSTALLATION

It is necessary to leave a free space of adequate size all around the product, in order to permit any repair, maintenance or inspection operation.

Only qualified technical personnel are authorized to carry out installation, use and maintenance of the product. All operations must be performed adopting accident prevention regulations, in accordance with safety warnings (EN 6024-1).

In the event of damage, anomalies or defects of the product, do not install and contact your retailer.

10.1 Place of installation

Below are the main rules to follow for proper installation:

- It is the responsibility of the installer to check always the suitability and characteristics of the product installation site
- It is the responsibility of the installer to comply with fire prevention regulations
- It is the responsibility of the installer to ensure that the location and the placement of the tank within it ensures compliance with the applicable accident prevention regulations
- The tank must not be exposed to atmospheric agents and must not be installed in locations subject to: high humidity, possible flooding, high temperatures, presence of corrosive gases or dusts
- The floor on which the magazine is positioned must be tested to stand, at the base of each leg, one quarter of the total weight of the tank at full load (approximately 400 kg.).
- The positioning of the tank must guarantee around and above it a minimum free space of 50 cm and the absence of obstacles, even if temporary
- The magazine fabric should never be in contact with wet or rough walls or surfaces.

11 ASSEMBLY

Carefully clean the floor in the work area before starting the tank assembly phases. Consider that once the tank is fully assembled, it will be difficult to move it, so it is advisable to carry out the mounting steps near the site where it will be installed.

Make sure that the ceiling of the room in which the tank is assembled and installed has a height that allows easy loading of the fuel from the upper inlet, it is advisable at least a minimum height of 280 cm.

1 - Proceed with the construction of the steel frame by assembling the two parts that make up each pillar with four TTQ M 8 screws, using the appropriate jaws as junctions as shown in figure 1

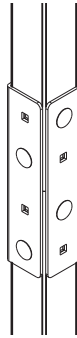
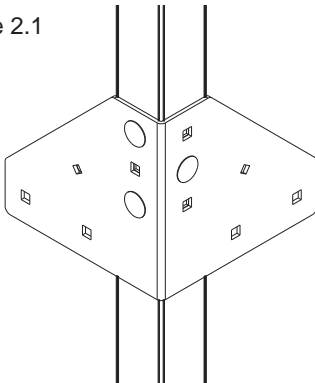


Figure 1

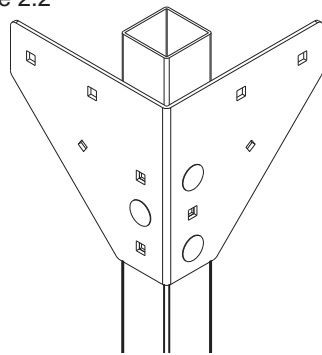
2 - Position the upper and lower joints on the four pillars already assembled using three TTQ M 8 screws as shown in Figures 2.1 and 2.2

Figure 2.1



Lower joint

Figure 2.2



Upper joint

3 - Insert the lower support at the base of each pillar fixing it using two washers and a cotter pin as shown in figure 3.1, then fold the two sides of the cotter pin as shown in figure 3.2

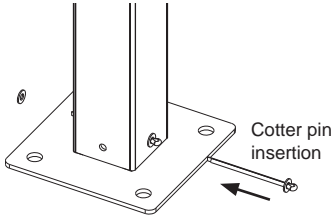


Figure 3.1

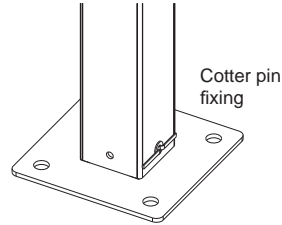


Figure 3.2

4 - Fit the two pillars previously assembled using a beam and fixing it with 4 TTQ M 8 screws on the lower joints as shown in figure 4.

Now install also the upper beam by fixing it with four TTQ M 8 screws to the relative joints, taking care to install in the same time also the inner reinforcement plates as shown in figure 5

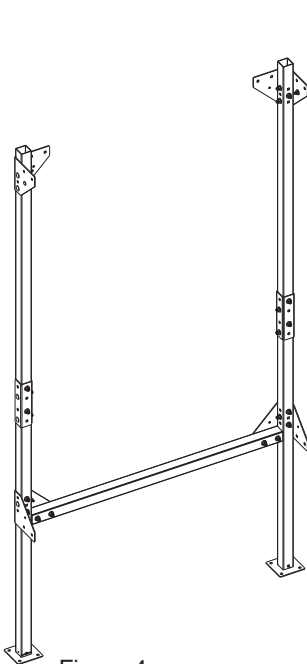


Figure 4

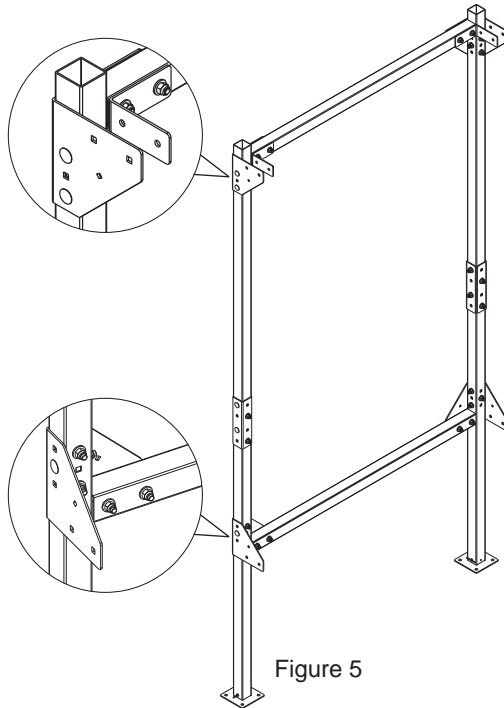


Figure 5

5 - Repeat the same operation as the number 4 also for the other two pillars

6 - Fit the two halves of the frame already assembled using the four remaining beams. The two halves should be kept in vertical position, assembling the two lower beams first, as shown in Figure 6, and then the two remaining upper beams, using the TTQ M 8 screws. For this operation, it is recommended to use a ladder to reach an appropriate height. Upper beams should be fixed by interposing them between the reinforcement plates and the joints as shown in Figure 7

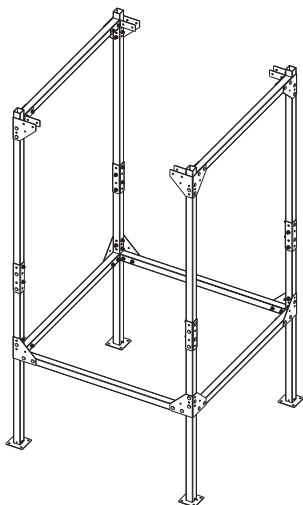


Figure 6

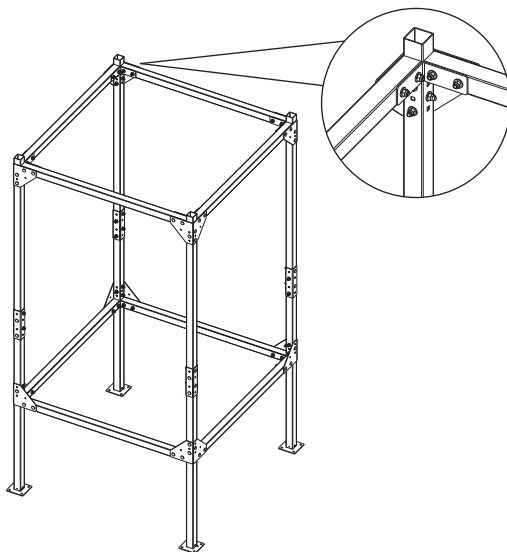


Figure 7

7 - Fix the four long cross connectors for adjustment to the four upper joints by means of the special hole with the TTQ M 6 screws, as shown in Figure 8, without tightening the nuts excessively in order to allow the cross connectors to move slightly.

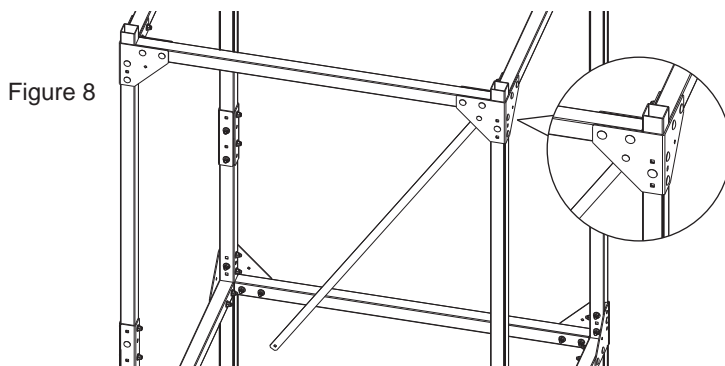
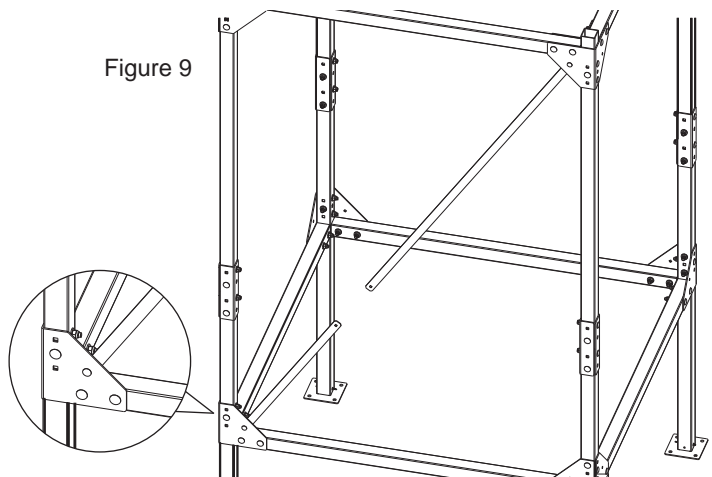
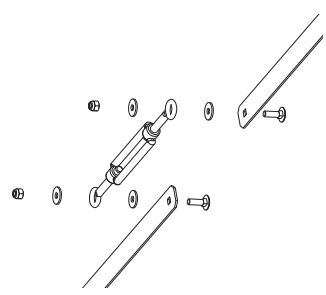
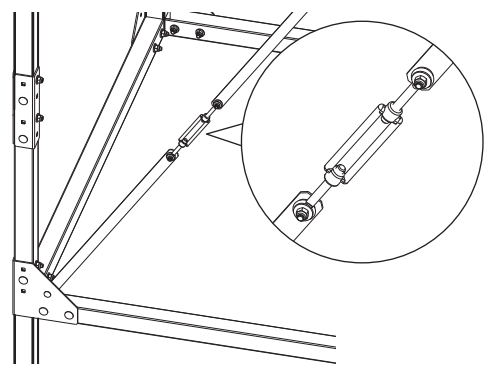


Figure 8

8 - Fix the four short cross connectors for adjustment to the four lower joints by means of the special hole with the TTQ M 6 screws, as shown in Figure 9, without tightening the nuts excessively in order to allow the cross connectors to move slightly.



9 - The adjusting tie-rods must be fixed on the other end of the cross connectors with the TTQ M 6 screws (see figure 10.1) by applying the components exactly as shown in figure 10.2. Before positioning, the tie-rods must be adjusted to the maximum extension.



10 - Proceed to the exact final positioning of the frame so assembled, then make sure the tightening of all the nuts that compose it.
Continue by screwing the tie-rods of the cross connectors until they are well tight (see figure 11).

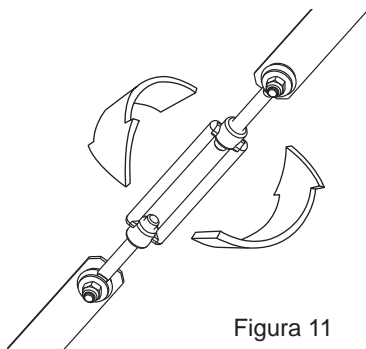


Figura 11

11 - Insert the four plastic safety caps on the top of the four pillars as shown in Figure 12.

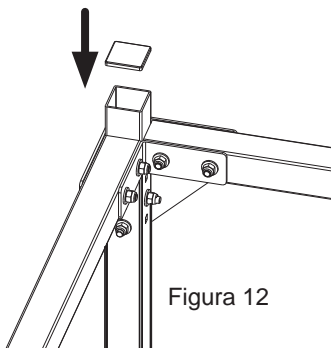


Figura 12

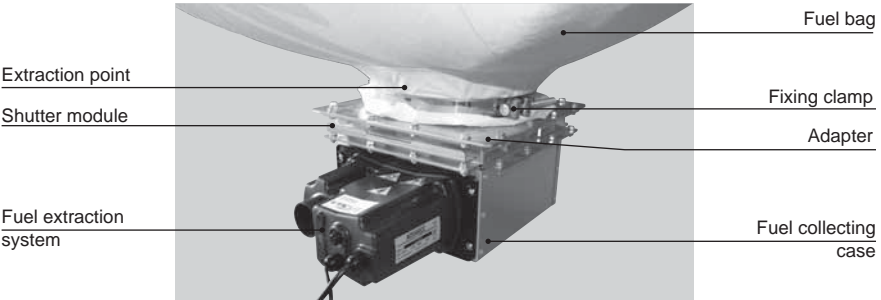
12 - Position the fuel bag on the frame by placing the four ties in the four top corners of each pillar, see picture.



15 - Tie the laces of the four lower corners of the fuel bag to the lower part of the pillars as shown in the picture, taking care to give some tension to the fuel bag during the operation.



16 - Proceed by setting fuel extraction accessories on the lower extraction point as shown in the following figure.



17 - Before proceeding with other operations make sure that the frame is positioned accurately with a spirit level. At this point, it is advisable to anchor the tank to the floor by means of appropriate dowels through the holes present on the four lower supports for greater protection and safety of people and things.
At the same time as fixing it to the floor, ensure that the frame is electrically grounded.



12 START UP AND USE

The tank has a Ø 600 mm loading inlet at the top. This inlet has laces in order to be sealed and opened only during loading operations to avoid the accidental falling of objects and animals into the bag.

After assembly and connection, before filling the tank make sure that:

- there are no foreign bodies inside the fuel bag
- the metal structure is positioned using a spirit level and it is properly connected to a grounding cable
- all the screws and nuts that make up the metal frame are tightened
- the pillars are well fixed to the floor
- the fabric does not present cuts, unsewing or damages, even if minor
- the fixing clamp of the discharge point is well tight.

The shutter installed in the fuel outlet, has a dual function, in addition to preventing fuel spillage in the event of maintenance of the offtake system or the underlying pipes, it can also be partially opened and closed, thus acting as a partialiser.

This adjustment helps in some cases to optimise the amount of fuel in the offtake system and consequently helps to improve the fluidisation of the fuel in the pipes.

The flange at the base of the shutter is perfectly suited to the installation of the fuel withdrawal systems in our catalogue.

For the first time, just place a small amount of fuel in the storage tank (200/300 kg.) to test the stability and operation of the tank itself.

After reading also the manuals of all the components of the system, you can start using the tank.

13 MAINTENANCE AND END-OF-LIFE

Before carrying out any maintenance operation on the product, it is obligatory to aerate the premises in which it is installed for at least 15 minutes. Any maintenance and repair operation must be carried out by experienced personnel and authorized by the manufacturer.

In the absence of a specific maintenance plan, a complete product inspection is recommended for each filling of the storage tank. The checks to be carried out periodically are:

- Check with a spirit level that the metal structure is in a perfectly horizontal position as when it was installed
- check the tightening of all the screws and nuts that make up the metal frame (yearly)
- check fabric conditions verifying that it does not present cuts, unsewing or damages, even if minor
- check the conditions of fabric anchoring ties which must have no abrasions, even if minor
- check the anchorage conditions of the metal structure to the floor (yearly)

It is also advisable to thoroughly clean the fuel storage tank at least annually, in order to avoid dust accumulation and presence of foreign bodies inside of it.

The presence of animals such as rats, mice, cats, dogs, birds, tarms and so on... and their behavior inside the storage room where the tank is installed can cause serious damages to tank fabric.

The tank has a steel structure that is resistant to external agents, but the plastic fabric can suffer serious damages with low visibility, which could, in the long run, undermine its stability with consequent danger for people passing near it.

13.1 End-of-life

The disposal of packaging, accessories and machine must be executed in accordance with applicable laws, ensuring the recycling of any of the core components.



14 SAFETY REQUIREMENTS FOR FUEL STORAGE TANKS

SAFETY REQUIREMENTS for pellet storage tanks with capacity up to 10 t



Keep the doors closed. Access is permitted only to authorized personnel under the supervision of a person outside



Do not smoke and approach flames or other sources of ignition.



Danger of death due to high concentrations of carbon monoxide (CO) and lack of oxygen.



In the 4 weeks after the fuel filling, enter only with a CO detector.



Aerate the storage room for at least 15 minutes before entering and keep the door open during your permanence.



Ensure an adequate and permanent aeration of the storage room through vent covers, openings or fans.



Wounding risk for moving systems



Turn off the boiler at least one hour before the pellet is delivered.



Proceed to the filling according to the requirements of the boiler manufacturer and the pellet supplier.



Protect pellets from humidity



In case of fire suspect keep the front door and any other opening of the storage room close and call the firemen.

15 WARRANTY

PRODUCT LIMITED WARRANTY CONDITIONS

The Manufacturer guarantees to the original purchaser the absence of defects in material and workmanship of the product for the period stated, from the date of purchase. Except as prohibited by applicable law, this warranty is non transferable and it is limited to the original purchaser. The present warranty gives the buyer specific legal rights and the possibility to claim rights which can vary under local laws.

Read all warnings and instructions before using the product purchased.

The entire liability of the manufacturer and your exclusive remedy for any breach of warranty will be at the discretion of the Manufacturer:

(1) To repair or replace the product, or (2) refund the purchase price, provided that the product has been returned to the point of purchase, or such other place as may be specified by the manufacturer, with a copy of the sales receipt or detailed and dated receipt. The shipping and handling are not free of charge, except in cases where this is prohibited by applicable law.

To repair and replace the product, the manufacturer may, at their own discretion, use new, refurbished or used parts in good working condition. Any replacement product will be warranted for the remaining time of the original warranty period, or for any period of time that complies with the provisions of the current law.

This warranty does not cover problems or damage resulting from (1) accident, abuse, misapplication, repair, alteration or unauthorized disassembly; (2) maintenance operation, use which is not in accordance with the product instructions or connection to an improper voltage supply; or (3) use of consumables and spare parts which are not supplied by the manufacturer or authorized service center.

Valid warranty claims are generally processed through the point of purchase of the product.

Please agree this detail with the retailer where you purchased the product.

The Warranty claims that cannot be processed through the point of purchase, as well as any other product related questions, should be addressed directly to the manufacturer. Addresses and contact information for customer support can be found at the internet.





Except as stated by relevant laws in force, any implied warranty or condition of merchantability or suitability for a particular purpose relating to this product is limited to the duration of the Limited Warranty period for the specific product purchased.

Some jurisdictions do not allow limitations on the duration of implied warranties or the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you. This warranty gives you specific legal rights and you may have other rights that vary from state to state, or from jurisdiction to jurisdiction.

Consumers have legal rights under applicable national legislation governing the sale of consumer products. Such rights are not affected by the warranties in this Limited Warranty.

No dealer, agent, or employee of the manufacturer is authorized to make any modification, extension or addition to this warranty.

16 CERTIFICATION

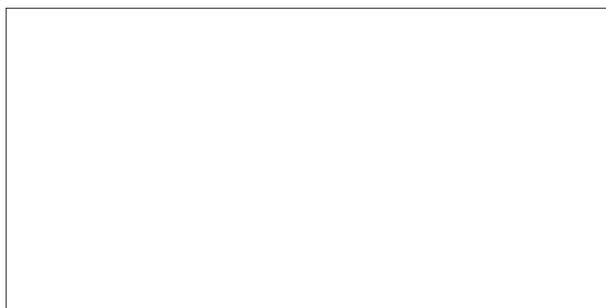
JUTA	JUTA a.s., Dukovna 417 544 01 Dvůr Králové n.L., ČR	www.juta.cz Tel. +420 499 314 221 E-mail: jupa@juta.cz
In Dvůr Králové nad Labem 17. 9. 2015		
Declaration		
In accordance with the Law N° 447/2001 Coll. amended by the Act N° 66/2006 Coll. about packing and about the change of other laws JUTA a.s. provides its customers information about its product for issuing a "declaration of compliance with conditions for placing packaging on the market".		
Product: Fabric PP/PE		
We declare that the packaging means by which we are a manufacturer, meets the requirements of Law N° 477 / 2001Coll. as amended by Act N° 66 / 2006 Coll. on packaging and on amendments to other laws:		
<ul style="list-style-type: none">- Weight and size of the particular product are tailored to the future filling. They secure a requirement to protect the content and safe handling with the packing.- The concentration of hazardous substances in the packaging material does not exceed the limits of 100ug/g, according to the standard CSN EN 13695-1- The clean packing means can be recycled upon removal of the filling- The packing means can be energetically used after removing the filling: the heat of combustion is 44 to 46MJ / kg.		
This product fulfils the requirements of European Parliament and Council Directive 94/62 / EC as amended by Directive of the European Parliament and Council Directive 2004/12 / EC.		
 Ing. Jiri Stuchlik Quality Manager	 Ing. Jan Cerovsky Technical Director	
		JUTA a.s., Dukovna 417 544 01 Dvůr Králové nad Labem IČO: 45334187 Jednatel: Ing. Jaroslav Sedláček, Ing. Jaroslav Sedláček, Ing. Jaroslav Sedláček

Declaration of absence of harmful substances

The manufacturer declares that their products and equipment are made with materials compliant with the current regulations regarding protection of health and the environment and does not contain substances classified as SVHC (Substance of Very High Concern) in accordance with Regulation EC 1907/2006 (REACH, or registration, evaluation, authorization and restriction of chemical substances).

Although in the working cycles of raw materials and our products such substances are not used, their presence in the size of p.p.m. (parts per million) cannot be excluded due to micro-pollution of raw materials.

FUEL STORAGE TANK TEXSILO 120



F0920540

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info@advanceeasymoving.com - www.advanceeasymoving.com