



## LIFTING CUSHION

“AA00617” “AA01423” “AA01928”  
“AA03034” “AA04341” “AA06550”



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### 1. BEFORE USING THE EQUIPMENT, SECURITY AND CHARACTERISTICS.

- This cushion comprises of a pneumatic LARZEP valve: type "AZN6100" or "AZN6501" and LARZEP hose: type "AZN", being able to combine according to dimensions and pressure of the cushion, and length of the hose. LARZEP, S.A. makes possible the obtaining of these components separately. It is recommendable that each component is adapted for the correct execution of the wished application.
- For the correct use of the valve, the following indications of use are due to consider:



- Use protective devices as they can be: gloves, boots, and face protection
- Verify diameter of the air connection and do not use devices that does not adapt to them.
- Verify that the length of the hose is adapted to your necessities, that is completely straight and without torsions to facilitate the passage of the air.



Avoid the overpressure. Control with the pressure gauge that the pressure **NEVER** exceeds 8 bar. In case that all surface of the cushion is not used to elevate the load or this is not uniform, it is recommended the use of a platform between cushion and load, to optimize the benefits of the same one.

**LARZEP, S.A. is not responsible of the injuries and damages resulting from the unsafe product use, lack of maintenance, the abuse, illegal use, or contingency not covered by law of these instructions.**

#### CUSHION:

Air cushion made of friction resistant material. Excellent for lifting loads at reduces spaces.

REFERENCE	AA00617	AA01423	AA01928	AA03034	AA04341	AA06550
<b>MAXIMUM CAPACITY</b>	6072 Kg	14052 Kg	19208 Kg	30258 Kg	43218 Kg	65448 Kg
<b>STROKE</b>	175 mm	235 mm	280 mm	345 mm	410 mm	500 mm
<b>VOLUME</b>	4,5 L	11,7 L	23,4 L	41,4 L	72,0 L	139,5 L
<b>DIMENSIONS</b>	300x300x28	420x420x28	510x510x28	620x620x28	750x750x28	920x920x28

#### HOSES

REFERENCE	LENGHT
AZN2020	2 m
AZN2040	4 m
AZN2100	10 m

#### VALVE

REFERENCE	OUTLET
AZN6100	1 OUTLET
AZN6501	2 OUTLET

### 2. WARRANTY.

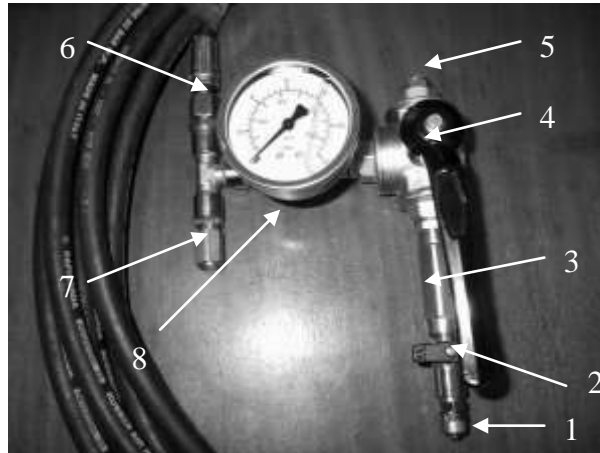
**LARZEP, S.A.** guarantees its products against all design and manufacturing defects for the durations of two years from the date of purchase. This guarantee does not include the ordinary wear of both metal and non-metal parts, abuse, using the equipment beyond its rated capacity and any wear or damage incurred as a result of using a hydraulic fluid which is not recommended by **LARZEP, S.A.**

Please note that if the equipment is disassembled or serviced by anyone other than an authorized service dealer or by **LARZEP, S.A.**, this guarantee is rendered null and void.

In the event of a warranty claim, return the equipment, to **LARZEP, S.A.** or the authorized dealer which sold you the hydraulic equipment, **LARZEP, S.A.** will repair or replace the faulty equipment, whichever is deemed most appropriate. **LARZEP, S.A.** shall not be held liable for any consequential damages or losses, which may occur as a result of faulty equipment

### 3. START UP.

1. Place the stop valve (2) in closed position (horizontal position with respect to figure 1).
2. Make the air connection through the fast plug (1) to AZN6100 valve.
3. Open the stop valve (2) (vertical position with respect to the figure 1).
4. Turn the handle of the directional valve (4) until its vertical position, this way the air goes directly towards the lifting cushion.
5. Control with the gauge (8) that the pressure does not exceed of 8 bar. To such aim, the valve also has the pressure limiter valve (7) rated on factory, that avoids the overpressure.
6. If the cushion; although it is not swollen to its entire capacity, has reached the position you wish; you will be able to keep this position maintaining the directional valve (4) opened and closing the stop valve (2); i.e., placing it in horizontal position, which prevents the passage of the air, being the check valve the one that maintains the pressure.
7. To deflate the lifting cushion, place the handle of the directional valve in horizontal position (4); the silencer will expel the air.



**Fig. 1 Pneumatic valve. AZN6100**

1. Air connection.
2. Stop valve
3. Check valve
4. Directional valve
5. Silencer
6. Hose connection
7. Pressure limit valve
8. Gauge

**DIMENSIONS OF THE VALVE**

Width 206 mm  
Length 155 mm  
Depth 95 mm

**4. MAINTENANCE.**

The main cause of failures in lifting cushion is due to the dirt. For that reason, it is recommended to clean the valve and its connections periodically. Avoid the storage of the full field equipment, or solely the valve, in places with extreme dirt or conditions of temperature.

PROBLEMS	DAMAGES	SOLUTION
- It does not maintain the load.	- Dirt in the air connection, that finishes stagnating in the check valve.	- Make sure that the hose; or the device to connect them, are cleaned.
- The cushion does not lose pressure.	- The air does not return because the filter of the silencer is dirty.	- Unscrew the silencer and clean/replace filter.
- The cushion does not inflate completely.	- The inlet air pressure of the cushion is smaller than 8 bar.	- Verify the working pressure, it must be 8 bar.

In general, the maintenance is simple and it is solved maintaining the order and the cleaning. Any other failure that could have, must be consulted with an authorized distributor or with LARZEP, S.A., they have the qualified personnel and spare parts necessary to extend the utility life of lifting cushions.



**5. DECLARATION OF CONFORMITY.****DECLARACION DE CONFORMIDAD**

**E** LARZEP, S.A.  
Dirección: Avda. Urtiaga, 6  
48269 Mallabia ESPAÑA  
Declaramos bajo nuestra exclusiva responsabilidad la conformidad de los productos a los que refiere esta declaración, con las disposiciones de la directiva: 89/392/CEE, 91/368/CEE, 93/44/CEE, 93/68/CEE, 98/37/CEE, 2006/42/CE

**DECLARATION DE CONFORMITE**

**F** Nous, LARZEP, S.A.  
Adresse: Avda. Urtiaga, 6  
48269 Mallabia SPAIN  
Déclarons sous notre seule responsabilité que les produits auxquels se réfère cette déclaration sont conformes aux dispositions des Directives: 89/392/EEC, 91/368/EEC, 93/44/EEC, 93/68/EEC, 98/37/EEC, 2006/42/EC

**DECLARAÇÃO DE CONFORMIDADE**

**P** Nós, LARZEP, S.A.  
Endereço: Avda. Urtiaga, 6  
48269 Mallabia SPAIN  
Declaramos, sob nossa única responsabilidade, que os seguintes produtos, incluídos nesta declaração estão em conformidade com o disposto na Directiva: 89/392/EEC, 91/368/EEC, 93/44/EEC, 93/68/EEC, 98/37/EEC, 2006/42/EC

**ÖVERENSSTEMMELSESERKLÄRING**

**DK** Vi, LARZEP, S.A.  
Adresse: Avda. Urtiaga, 6  
48269 Mallabia SPAIN  
Erklærer på eget ansvar, at følgende produkter som er omfattet af denne erklæringen, er i overensstemmelse med bestemmelsene i Direktiv: 89/392/EEC, 91/368/EEC, 93/44/EEC, 93/68/EEC, 98/37/EEC, 2006/42/EC

**ERKLÆRING OM OVERENSSTEMMELSE**

**N** Vi, LARZEP, S.A.  
Adresse: Avda. Urtiaga, 6  
48269 Mallabia SPAIN  
Erklærer på eget ansvar, at følgende produkter som dekkes af denne erklæringen, er i overensstemmelse med bestemmelsene i Direktiv: 89/392/EEC, 91/368/EEC, 93/44/EEC, 93/68/EEC, 98/37/EEC, 2006/42/EC

**ÜBEREINSTIMMUNGSERKLÄRUNG**

**D** Wir, LARZEP, S.A.  
Anschrift: Avda. Urtiaga, 6  
48269 Mallabia SPAIN  
Erklären auf eigene Verantwortung, daß folgende Produkte, auf die sich diese Erklärung bezieht, mit den Bedingungen der Direktiven 89/392/EEC, 91/368/EEC, 93/44/EEC, 93/68/EEC, 98/37/EEC, 2006/42/EC übereinstimmen.

Tipo, Type, Typ, Tyypä.

**SM / SH / SP / SMP / SX / SMX / ST / STX / SL / SMA / SHA / SSR / T / TE / TD / D / DH /  
DDR / Z / ZR / W / WP / X / YA / YG / YZ / HM / HE / HG / HZ / HS / WI / CK / CC / CN /  
FU / FV / FZ / FA / CY / AA / AU / CT / C / KC****A / AB / AC / B / AF / F / HN / DLG / DL / VA / VB / VC / VZ / ECE / ECM / ECZ / EE / EG /  
EM / EZ / CA / CS**

Mallabia, ESPAÑA 2006 / 11 / 14

Lugar y fecha, place and date, lieu et date, plats och datum, paikka ja päivämäärä, udstedelsessted og-dato, ort und datum, plaats en datum, local e data, luogo e data.

**DECLARATION OF CONFORMITY**

**GB** We, LARZEP, S.A.  
Address: Avda. Urtiaga, 6  
48269 Mallabia SPAIN  
Declare under our sole responsibility that the following products to which this declaration relates conform with the provisions of Directives: 89/392/EEC, 91/368/EEC, 93/44/EEC, 93/68/EEC, 98/37/EEC, 2006/42/EC

**DICHIARAZIONE DI CONFORMITÀ**

**I** Noi, LARZEP, S.A.  
Indirizzo: Avda. Urtiaga, 6  
48269 Mallabia SPAIN  
Dichiariamo sotto la nostra esclusiva responsabilità che i prodotti ai quali questa dichiarazione si riferisce sono conformi quanto previsto dalle Direttive: 89/392/EEC, 91/368/EEC, 93/44/EEC, 93/68/EEC, 98/37/EEC, 2006/42/EC

**VAATIMUSTEMUKAISUUSVAKUUTUS.**

**FIN** Me, LARZEP, S.A.  
Osoite: Avda. Urtiaga, 6  
48269 Mallabia SPAIN  
Vakuutamme yksinomaan omalla vastuullamme, että seuraavat tuotteet, joihin tämä vakuutus liittyy, ovat seuraavien Direktiivien vaatimusten mukaisia: 89/392/EEC, 91/368/EEC, 93/44/EEC, 93/68/EEC, 98/37/EEC, 2006/42/EC

**VERKLARINGVAN OVEREENKOMST.**

**NL** Wij, LARZEP, S.A.  
Adres: Avda. Urtiaga, 6  
48269 Mallabia SPAIN  
Verklaren geheel onder eigen verantwoordelijkheid dat de volgende producten, waarop deze verklaring heeft in overeenstemming zijn met de bepalingen van Richtlijn: 89/392/EEC, 91/368/EEC, 93/44/EEC, 93/68/EEC, 98/37/EEC, 2006/42/EC

**FÖRSÄKRAN OM ÖVERESSTÄMMELSE**

**S** Vi, LARZEP, S.A.  
Adress: Avda. Urtiaga, 6  
48269 Mallabia SPAIN  
Försäkrar under eget ansvar att följande produkter som omfattas av denna försäkran är i överensstämmelse med villkoren i Direktiv: 89/392/EEC, 91/368/EEC, 93/44/EEC, 93/68/EEC, 98/37/EEC, 2006/42/EC

**LARZEP, S.A.**

Nombre y firma, name and signature, nom et signature, namn och underskrift, nimi ja nimikirjoitus, navn og underskrift, name und underskrift, naam en handtekening, nome e assinatura, nome e firma.