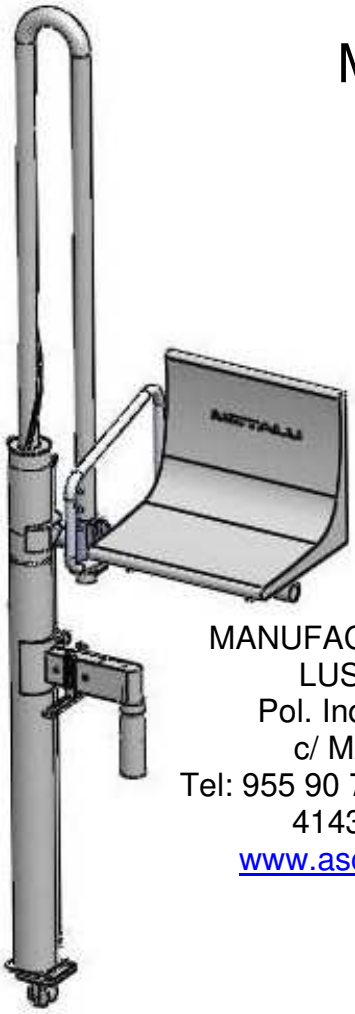
HYDRAULIC LIFT FOR ENTERING POOLS



METALU
PK

Lifting capacity:
150 kg

MANUFACTURAS METALICAS
LUSIANERAS, S.L.
Pol. Ind. LOS MOTILLOS
c/ MADRID, 11 C-D.
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41430 LA LUISIANA
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1.- Manufacturers data:

- Name: Manufacturas Metálicas Lusianeras, S.L.
- Address: Plg. Ind. Los Motillos. c/ Madrid, 11 C-D
- Telephone/Fax: 955 90 77 84 / 955 90 90 83
- EC Marking
- Model: METALU PK
- Date manufactured: 2020

2.- General features of the METALU PK lift.

The lift is ideal for allowing persons with reduced mobility to enter a pool on their own.

This lift requires a water supply pressure between 3.5 and 5,5 kg/cm2 in order to operate properly. If this pressure is not available from the water main, a hydraulic pump must be installe that is compliant with the current Machine Safety standard, in order to supply the pressure that is required.

The control that operates the lift consists of a three-way valve, which operating positions allow the seat to be lowered and raised for entering and exiting the pool.

The lift is installed next to the edge of the pool by using the indicated anchor to fix its structure to the concrete slab that is located around the edge of the pool.

The lift includes a vertical support foot, which is fixed to the lift structure by means of 2 screws. The position of this piece shall be adjusted until the unit is perfectly vertical and its adjustment will vary depending on the size of the pool edge overhang.

The lift shall be connected to the supplementary equipotential grid that shall be available at the pool in accordance with ITC-BT-31.

3.- Safety.

The lift shall be designed with the following machine safety standards in mind (UNE-EN ISO 14121-1-2008, UNE-EN 61310-1-2008, UNE-EN 61310-2-2008, UNE-EN ISO 12100-2012 and UNE-EN 547-3-1997+A1:2008).

- The entire structure and accessories will be manufactured in stainless steel.
- All metal edges shall be free of burrs, which could cause injury to personnel.
- All the hardware that is used shall not entail a risk to personnel since only round head screws shall be used to prevent scratching or users from getting snagged on them.
- Sufficient clearance has been left around moving parts to prevent any body parts from getting trapped between them.
- A standard warning sign is included indicating the maximum weight that is allowed on the lift (according to the model)
- The static coefficient has been taken into account, which has been doubled to calculate the mechanical strength and risk of tipping over.
- The moving parts travel at a low speed to prevent the user from falling off the seat.

4.- Ways in which the lift shall not be used.

- The lift shall not be used until the proper commissioning procedures have been completed.
- The user must be guided or helped by a person from the facilities that knows how to properly operate the lift.
- The lift shall only be used by personnel authorised by the establishment where the lift is installed.
- The maximum weight of personnel using the lift shall be either 120 or 150 kg depending on the model that is chosen, as indicated on its warning sign.
- Prior to operating the lift, the user must make sure that no person or obstacle is located in the path of the moving parts of the lift.
- Once a person is inside the pool, the seat must return to its initial position to prevent it from becoming an obstacle inside the pool.

5.- Position occupied by the user on the lift.

- The user sits on the seat, from which its controller is easily accessible from both ends of its travel.
- The seat can be adapted to the anthropometric measurements in accordance with the European Standard.
- The speed at which the seat travels is slow enough to avoid any risk of a person falling off the seat. The seat also has a stiff armrest that provides increased safety for the user.
- During its movement, the user's extremities do not touch any parts of the lift or the edge of the pool.

6.- Pre-installation.

The following points shall be taken into account prior to installing the METALU PK lift:

- ✓ Choose a proper location where to install the lift. We recommend installing the lift at a location where the pool depth is approximately between 1.20 and 1.30 metres to ensure that if the user needs help, the person accompanying him or her can stand with their head above water.
- ✓ At the location where we have decided to install the lift, we must have a water connection and shut-off valve capable of providing between 3.5 kg/cm2 and 5,5 kg/cm2 of pressure (underground if possible) depending of the lifting capacity wanted. A pressure set must be installed if the water main does not reach this pressure.

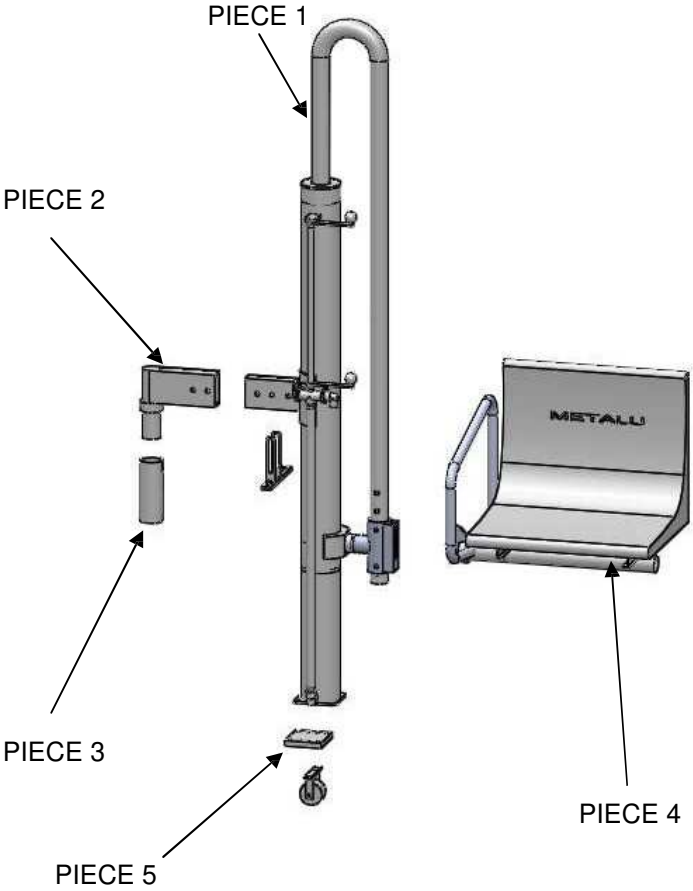
7.- Instructions for properly installing the lift. Commissioning and adjustment.

the illustrations on the following pages will help to better understand the installation procedure.

The steps to follow are listed below:

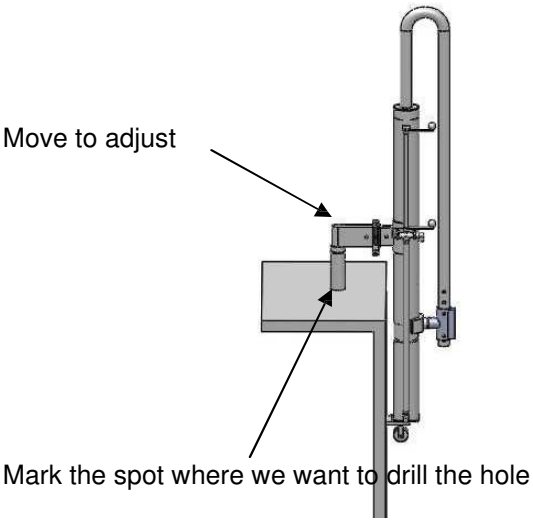
The machine is supplied broken up into the following pieces:

- PIECE 1: Assembly comprised of the cylinder, piston and hydraulic installation.
- PIECE 2: This piece is used to set the distance from the edge of the pool to the hole drilled in the concrete.
- PIECE 3: This piece is inserted in the hole that was drilled in the concrete slab at the edge of the pool.
- PIECE 4: Lift seat
- PIECE 5: Teflon plate used as a support on the wall of the pool.

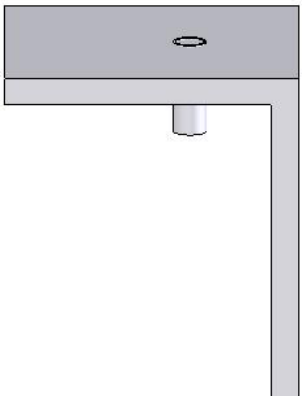


To install the lift we must begin by positioning the lift so we can mark the exact place where we are going to drill the hole at the edge of the pool.

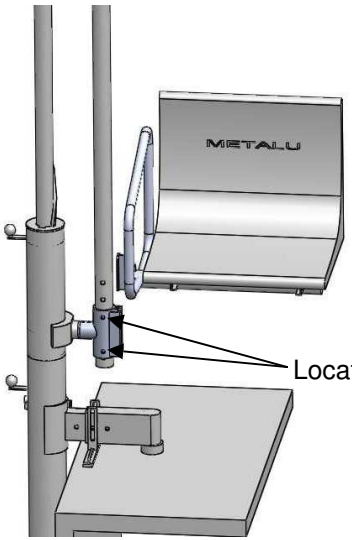
We can move piece 2 along its housing until it is positioned at the desired location. We must make sure the lift is installed in a vertical position by adjusting piece 5. Once the lift is positioned, mark the spot where we want to drill the hole.



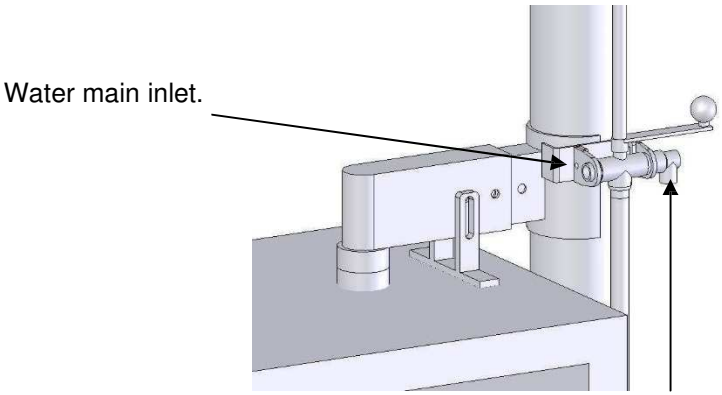
- Position the lift and insert piece 2 in piece 3.
- Once the lift is inside the pool, make sure it is in a vertical position.
- Once the spot where we are going to drill the hole has been marked, remove the lift and drill the hole. The anchor bolt (Piece no. 3) must be completely vertical.
- Fill the drill hole with epoxy resin, then insert the bolt and let it sit for the required time for it to harden.



- Once we have reached this point we just need to install the seat in its position. To accomplish this we have two positions with one being higher than the other. The position is to be selected by the client.
- To accomplish this, once the desired position is selected, install the two fixing screws.

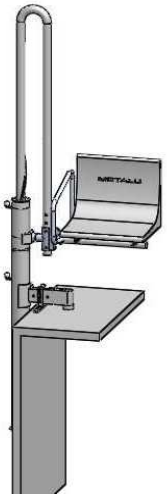


- To connect the hydraulic hoses to the circuit, for the purpose of enabling the up and down movements, we must pay attention to the three-way valve; this valve has an outlet with a ½" buttress and an elbow of the same diameter.
- Connect the supplied hose from the water main (or pressure set) to the end of the buttress, while the remaining hose section will be connected to the elbow outlet, which will remain loose to ensure water is drained from the pool's channel, overflow or skimmer.

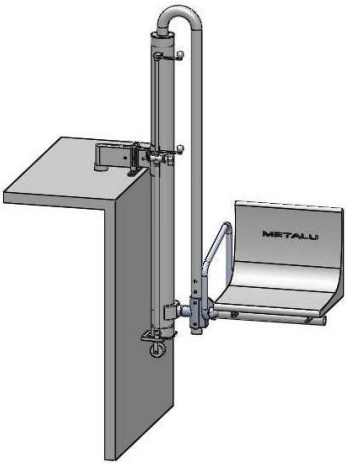


- Open the water main and open the valve to fill the cylinder.
- Operate the valve and observe the up and down movements are correct and that no anomalies are noticed in both movements or in the turning movement towards the edge and towards the pool to raise and lower the lift.

The position outside the pool must look as shown below:



The position of the lift inside the pool must look as shown below.



IF YOU HAVE ANY QUESTIONS, CONTACT US PRIOR TO PROCEEDING

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CE

EC DECLARATION OF CONFORMITY

The undersigned in representation of the company:

- Company name: MANUFACTURAS METALICAS LUISIANERAS, S.L.
- CIF (TAX ID): B-41.834.508
- Address: Pol. Ind. Los Motillos, c/ Madrid, 11 C-D.
- City: La Luisiana (Seville).

Machine description:

- Model: METALU PK
- Type: Lift device with hydraulic up, down and pivoting movements to help people with reduced mobility to enter pools and Spas.
- Lifting capacity: 150 kg.

The machine is compliant with the following provisions.

The machine is compliant with the provisions stipulated in Directive 2006/42/CE of the European Parliament and the Council of 17 May 2006 related with machinery.

Standardised standards and technical specifications that have been used.

- UNE-EN ISO 14121-1-2008. Safety of machinery. Risk assessment. Part 1: Principles.
- UNE-EN 61310-1-2008. Safety of machinery. Indication, marking and actuation. Part 1: Specifications for visual, acoustic and tactile signals.
- UNE-EN 61310-2-2008. Safety of machinery. Indication, marking and actuation. Part 2: market requirements
- UNE-EN ISO 12100-2012: Safety of machinery. General principles for design. Risk assessment and risk reduction.
- UNE-EN 547-3-1997+A1:2008: Safety of machinery. Human body measurements. Part 3: Anthropometric data.

In La Luisiana, 14 November 2014.

Signed. Mr. Manuel Escalera Soler.
Administrator

WARRANTY CERTIFICATE

HYDRAULIC LIFT METALU PK SERIAL

NO.:

DELIVERY DATE: GENERAL TERMS.

WARRANTY DURATION AND EXTENTION: The warranty will cover all operating defects for two years and material defects for four years
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INFORMATION ABOUT THE CLIENT.

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COMPANY SIGNATURE

LIFT INSTALLATION CERTIFICATE

HYDRAULIC LIFT METALU PK SERIAL

NO.:

INSTALLATION DATE:

LOCATION WHERE THE LIFT IS INSTALLED:

INSTALLER COMPANY.

NAME AND SIGNATURE OF THE OWNER:

MANUFACTURAS METALICAS LUISIANERAS S.L.

C.I.F. (TAX ID) B-41834508

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