mks

TECHNOLOGY THAT ENHANCES marksell®

Tail Lift for Gas Bottle Distribution

If you are looking for award-winning equipment and that is tailor-made for gas bottle distribution, then you are in the right place!

MKS 200PEG

MKS 500PHL

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Tail Lift for Gas Bottle Distribution

> MKS Marksell

MADE IN BRAZIL, FOR THE WORLD

MKS Marksell is a 100% Brazilian company, a pioneer and leader in the specialised area of transportation of cargo and people.

The company is based in self-owned premises in Itapevi, in the Greater São Paulo region. MKS Marksell relies on a flexible production structure installed in an area of 6000 square meters.

MKS Marksell develops, projects and manufactures, using its own technology, equipment for the transportation of cargo and people, either placed on vehicles or stationary, with a great emphasis on hydroelectric activation.

Apart from developing equipment using state-of-the-art technology, MKS Marksell's main objective is to find solutions for your loading and unloading needs.

We listen to your requirements, and based on our wide experience, identify the practical solutions to allow you to solve your operational problems with a high degree of satisfaction.

We are the only Brazilian company that offers a wide range of equipment which will provide the best solution for your needs. We believe that to show our differentials we must do our best and offer these differentials to our customers, allowing them to make their best choice.

So that all this may become reality, we depend on a team of projects and engineering with wide experience and competence, and on the latest state-of-the-art equipment.

We test exclusively all our equipment so that our customers may have, after taking everything into account, the best cost/benefit ratio and that they can be sure of safe and smooth operations.

Performance of MKS Marksell around the World

MKS Marksell is based in São Paulo – Brazil, but the company is present in many countries around the world, especially in Latin America, Europe and Africa.

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The models of the Tail Lift for Gas Bottle Distribution were designed and developed specifically for companies that have as their objective the speeding up of the loading and unloading operations, while at the same time providing safety to their workers.

> Advantages

- A reduction in the number of hours lost due to stoppages caused by accidents during the loading and unloading of the vehicles;
- A reduction in the muscular and back problems of the employees;
- A reduction in the cases of LER (lesions caused by repetitive effort);
- Speed in loading and unloading;
- A reduction in the number of accidents;
- Optimization of the work handling (by one person);
- Preservation of the collars and cylinder cases;
- Preservation of the paint and appearance of the cylinder.

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Tail Lift for Gas Bottle Distribution

> MKS 200 PEG / MKS 500 PHL

MKS 200PEG

Installation on the sides of the vehicle

MKS 500PH/PHL

Specially dimensioned for Gas Bottle

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Tail Lift for Gas Bottle Distribution

> MKS 200 PEG

MKS Marksell in parnership with Ultragaz won the GLP Prize for Innovation and Technology – 2012 edition in the SSMA category (Health, Safety and Environment).

• Application: Loading and unloading of gas bottle, especially P45; also widely used in the transportation of gas cylinders containing atmospheric gases, such as oxygen nitrogen, argon, CO-2 and acetylene. It is also used for other products, such as small drums, canisters which contain fluids in general with dimensions of up to or equal to 400mm (for a plate with larger dimensions, please contact our consultants).

• Its installation on the sides of the vehicles allow for loading and unloading next to the sidewalk with greater speed in the large urban centres. It only requires one operator, the same driver of the vehicle.

• Within the vehicles most used for operating these tail lift we must highlight the small vehicles, with a minimum PBT starting from 3000kg.

• Installation: On the sides of the chassis/body of the vehicle.

• The plate of the equipment, when in the resting position is used as the floor of the body of the vehicle, and therefore does not require any extra space for operating. It is fixed on with screws.

• Cargo Capacity: It has a nominal cargo capacity of 2000kg in the centre of the plate.

• Plate: the floor is a plate of corrugated steel (chessboard-shaped), anti-skid, and it has a useful flat area measuring 400mm of width, 400mm of length and a rim of 100mm inclined to 30 degrees.

• Activation: By means of button-control and automatic alignment with the floor of the body of the vehicle.

• Functioning: With a hydraulic cylinder for the vertical movement (raising and lowering) of the plate.

• Hydraulic System: Unit with a hydroelectric potency of 12VDC or 24VDC, connected to the original electrical system of the vehicle, which permits the operation of the equipment with the engine of the vehicle turned off.

• Set of tank and motor-pump fixed on to the chassis of the vehicle, next to the equipment, equipped with a level visor and a nozzle for supply and ventilation.

• It has a double purpose hydraulic cylinder, a rectified rod with a coating of hard chrome, and a case which is a stretched, seamless and polished tube.

• Construction Details: A structure of stretched steel tubes and folded steel plates welded using the MIG process.

• Finishing paintwork is in synthetic enamel with an anti-corrosive, and a standard MKS silvery-grey colour.

• Speed of the Operation: Of 0.1 m/s as per international standards, although this can be reduced in the case of special operations.

• Height of the Operation: The elevation course of the plate is 1050mm.

• Own Weight: Total Estimated Weight: 120kg.

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Tail Lift for Gas Bottle Distribution

> MKS 500 PHL

• Installation: At the extreme rear of the chassis/body of the vehicles, trucks and semi-trailers with a minimum PBT of 5000kg.

• Cargo Capacity: Of 500kg per 400mm.

• Plate: It has a floor of corrugated steel plates (chessboard-shaped), anti-skid, measuring 1100mm of width and 900mm of length (750+150mm).

• Activation: With a hydroelectric motor-pump of 12 VDC or 24 VDC, connected to the original electrical system of the vehicle, which allows the equipment to operate with the engine turned off. It has a hydraulic gear pump and a low consumption electric motor.

• Functioning: With a hydroelectric cylinder for moving (raising and lowering) the plate. Manual tilting for the position of transport, and levelling effected with two levelling devices with an exclusive system for damping (patented), which besides helping and reducing the effort of closure, limits the speed of opening and closing, thus making the manual tilting operation more safe.

Hydraulic System: Control by means of a button-operated command fixed on to the frame of the body of the vehicle, incorporating a safety valve which avoids the overload of the equipment, and a valve which regulates the speed.

• Set of tank and motor pump, equipped with a level visor and supply nozzle, fixed on to the general support of the equipment.

• It has a hydraulic cylinder with a rectified rod with a coating of hard chrome and a case which is stretched, seamless and polished tube.

• Transport Lock: With a rubber jamb for supporting/locking the plate.

• Own Weight: 270 kg approximately (total installed).

• Construction Details: A structure of folded steel plates welded using the MIG process. Finishing paintwork is in synthetic enamel with an anti-corrosive, and an MKS black colour, or a colour requested by the customer. Gasket is made of synthetic material.

• Speed of the Operation: Of 0.1 m/s as per international standards, although this can be reduced in the case of special operations.

• Installation: The structure is externally fixed on to the chassis of the vehicle with screws and therefore does not need any modifications to the chassis/body of the vehicle, therefore following the instructions and specifications of the manufacturers of the vehicles.

• Space for Installation: The minimum distance between the extreme rear of the body of the vehicle and the support of the rear springs is 900mm for the PHL model and 760mm for the PH model.

• Height of the operation: The maximum elevating course of the plate is 1400mm for the PHL model and 1150mm for the PH model.

• Observations: The installation of this equipment may interfere with the support of the spare tyre, the original lights, the support of the number plate and the length of the wire used to seal the number plate; evaluation will have to be made on a case-by-case basis. Any necessary alterations as well as the eventual lengthening of the chassis will be for the account of the customer.

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Tail Lift for Gas Bottle Distribution

Present in the most EFFICIENT companies that Gas Bottle Distribution.

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Tail Lift for Gas Bottle Distribution

> MKS Marksell Exclusivity

MKS Marksell develops equipment, devices and exclusive systems in order to allow you to obtain the best performance, as well as thinking about your safety. Check these following instances:

• Patented MKS 200PEG equipment, developed together with Ultragas, with the objective of carrying out the loading and unloading of Gas Bottle Distribution.
• Patented anti-shock devices for frontal levellers that have the purpose of protecting your equipment and making it long-lasting.
• BTS System, Built to Suit Dock Levellers, developed with the objective of reducing in up to 50% your initial investment in dock levellers.
• The new MKS Marksell Button Control has extra low voltage, an alert visor diagnosing any problems with the equipment, and conforms to all the demands of regulation *NR10* and *CE* from now on. All models of MKS Marksell Hydraulic Dock Levellers will have as a differential button controls which are in accordance with the standards laid down by nr10 (*Regulatory Norm 10 – Safety in Electrical Installations and Services*) and ce. you will benefit from a smart service with a touch membrane, a smart service warning any failures, and a preventive maintenance timer.
• The ADPLAT product, designed for vehicular tail lift – It is our understanding that because MKS Marksell customers are always focused on the logistics of their operations, they lack a space dedicated to communicating with the market in general. As a result, MKS Marksell, together with New View Media, has created a strategic area on the MKS Marksell tail lifts, to enable you to communicate with the public, within a standard space, and which can be easily substituted.

> More on Marksell

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