

UNIVERSAL ARM 1000Kg



UNIVERSAL ARM is a mean of remote prehension moving along a vertical axis, usable in any cell equipped with a lifting device, for heavy interventions and handling of metal elements or not, irradiating or contaminated.

DESCRIPTION

UNIVERSAL ARM design is waterproof and stainless steel.

This set consists of the following elements:

- **Prehension**: it is determined according to the lifting unit on which UNIVERSAL ARM will be used.

- **Arm**: it includes, output, a taking of force (maximum permissible torque: 100Nm) with continuous rotation in both directions.

- **Disconnectable Gripper**: it is fitted with 4 lugs for connection to the arm.

The machine is equipped with a lock installed on the arm, moved by an electromagnet, enabling the remote disconnection of the gripper.

UNIVERSAL ARM is automated by an electronic assembly including:

- one electronic box powered by 220V + earth
- one remote control unit connected to the electronic box
- one 5 to 10 meter-cable between the electronic box and the cross-piece (cold side)
- one 15 to 20 meter-cable between the cross-piece (hot side) and the arm

The electronic assembly may receive an optional module to remotely switch and power-up of the electronic box.

TECHNICAL FEATURES

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|---|----------------------------|--|
| - Arm height without handle: | | |
| | Gripper in closed position | : 980mm |
| | Gripper in closed position | : 970mm |
| - Gripper Opening | | : 220mm |
| - Gripper Tightening | | : 100, 200, 300 or 400Kg |
| - Opening speed | | : 7cm/s |
| - Closing speed | | : 5cm/s pour 100Kg : 7cm/s pour 200, 300 or 400Kg |
| - Continuous rotation of the gripper in both directions | | : 360° |
| - Low torque rotation | | : 1,5tr/mn – 35Nm |
| - High torque Rotation | | : 0,5-1-1,5 or 2tr/mn (output torque: 100Nm) |
| - Weight of the arm | | : 65Kg |
| - Weight of the gripper | | : 36Kg |
| - Lifting capacity | | : 1T |
| - Power supply of the electronic box | | : 220V – 50Hz |
| - Power supply of motors on the device | | : 24 to 48V |
| - Operating temperature | | : 45°C |
| - Maximum temperature without fan | | : 70°C |

A stainless steel rack, for the storage of the arm and/or for the connection & disconnection of the gripper, is available on request.