

# Electric valving / devalving unit

## EL60 model

High quality and very good performance



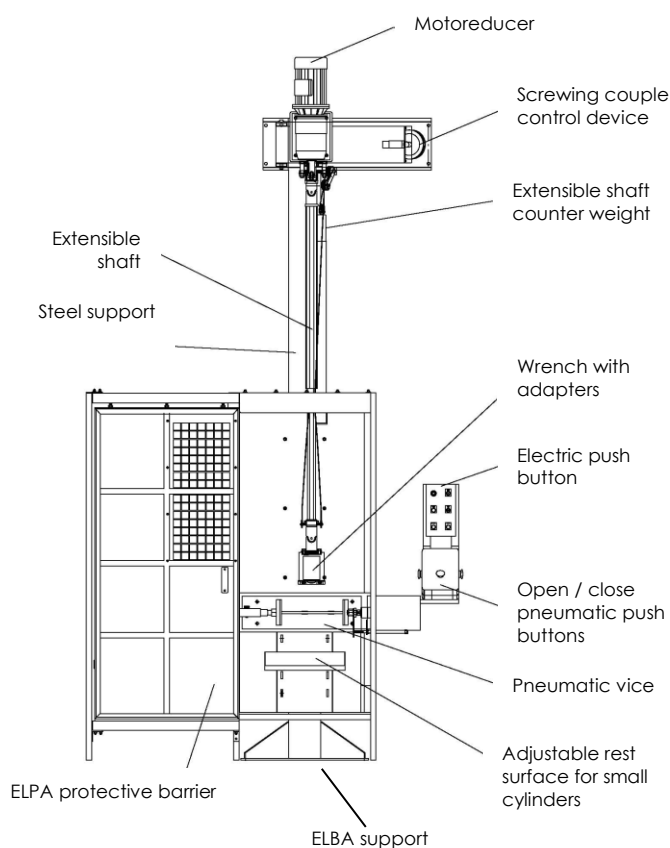
### Description

The equipment is composed by two main sections, the upper and the lower one. The upper section is composed by a motor reduction gear box, an adjustable shaft with wrench and a control couple device. The lower section is composed by a pneumatic vice for holding the cylinder and electrical + pneumatic control boxes. The upper and the lower sections can be installed on a support frame called ELBA. This structure is self-supported and can be easily installed on the floor simply fixing it by anchor bolt. In order to prevent the operator to touch manually the cylinders or the valves during valving / devalving operations, a front protection is available. The ELPA front protection is available in two versions, the standard or the heavy type. The standard type does not allow any valving / devalving operation if the front door is open. The heavy type allows the same performances, but it is designed to resist to the impact produced by a valve unscrewed from a cylinder with residual internal pressure.

### APPLICATIONS

The EL60 allows to screw and unscrew the valves from gas cylinders. You can find the standard version for inert and oxygen or the ATEX one for flammable gases.

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Complete equipment

## TECHNICAL DETAILS

- Motor reduction gear
- Adjustable shaft
- Mechanical or electronic couple control
- Wrench with changeable insert to adapt the dimensions to the main existing valves
- Two-hand controlled pneumatic vice for locking the cylinders
- Three-phase electric control board, 400 V 50 hz
  - Couple adjustment 8 – 40 kg\* m
  - Power supply 400/50 Volt/Hz
  - Electric push button and additional devices 24 V
  - Total installed power 1,5 kW
  - Compressed air supply required 8 – 10 bar
  - Cylinder height: 300-1650 mm (1920 with opt. adapter)
  - Vice closing:
    - COD.MZSE001 from Ø 80 to Ø 320 mm
    - COD. MZSE004 from Ø 80 to Ø 410 mm (with adapters)
    - COD. MZSE035 from Ø 410 to Ø 770 mm (with adapters)

### Dimension:

Overall dimensions with ELBA  
+ ELPA installed: 1950 x 800 x (h) 3700 mm



Heavy front protection

## ELPA model HEAVY FRONT PROTECTION

The heavy front protection is designed to reduce any risk of accident caused by devalving operations on gas cylinders, mainly when a residual pressure is still present in it. Designing this equipment, the following situations have been considered:

- Ejection of a valve from a filled cylinder (300 bar residual pressure)
- Stress from ejected fired media, oxygen cylinder
- Stress from ejected fired metal, oxygen cylinder
- Fire, oxygen cylinder

The heavy front protection has been conceived with a steel heavy-duty plate 3 mm thick. It has a sliding front door provided with two windows. These ones are internally covered by special 8 mm polycarbonate.

> PER MAGGIORI INFORMAZIONI:  
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