

# Electric valving / devalving unit for CO<sub>2</sub> extinguishers

## EL60 – E model

The highest quality and  
best performances



### APPLICATIONS

The EL60-E allows to mechanically screw and unscrew the valves on CO<sub>2</sub> extinguishers, those with taper thread valves. This unit is extremely user-friendly, it allows the operator to work in real safe conditions with no physical efforts. Moreover, it assures to achieve the correct torque control.

### 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 CO<sub>2</sub> extinguishers and electrical + pneumatic control boxes. The upper and the lower sections can be installed on a support frame called ELBA-1. 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 manually touch 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 (ELPA model – AZSE002) or the heavy type (ELPA HY model – AZSE005/B). 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.

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## TECHNICAL DETAILS

- Motor reduction gear  
Adjustable shaft
- Wrench with changeable insert to adapt the dimensions to the main CO<sub>2</sub> extinguisher 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 0,75 kW
  - Compressed air supply required 8 – 10 bar
  - Accepted cylinders Ø 80 to Ø 320 mm
  - Extinguisher height 400 ÷ 1200 mm

### Dimensions / Weight

Overall dimensions with ELBA  
+ ELPA installed: 1950 x 800 x (h) 2958 mm



### Accessories on request

- Standard ELBA: bb up to 1750 mm
- Standard ELBA: bb up to 1920 mm
- ELPA – HY: heavy protection
- ELCC: kit with electronic torque control
- ELCC-TORQUE: kit with electronic torque control and transducer
- DYNA 2350: dial torque wrench

## FRONT PROTECTION, ELPA model

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 (200 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.



HEAVY FRONT PROTECTION

> PER MAGGIORI INFORMAZIONI:  
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