

Valving / devalving unit

EL60 model

High quality and very good performance



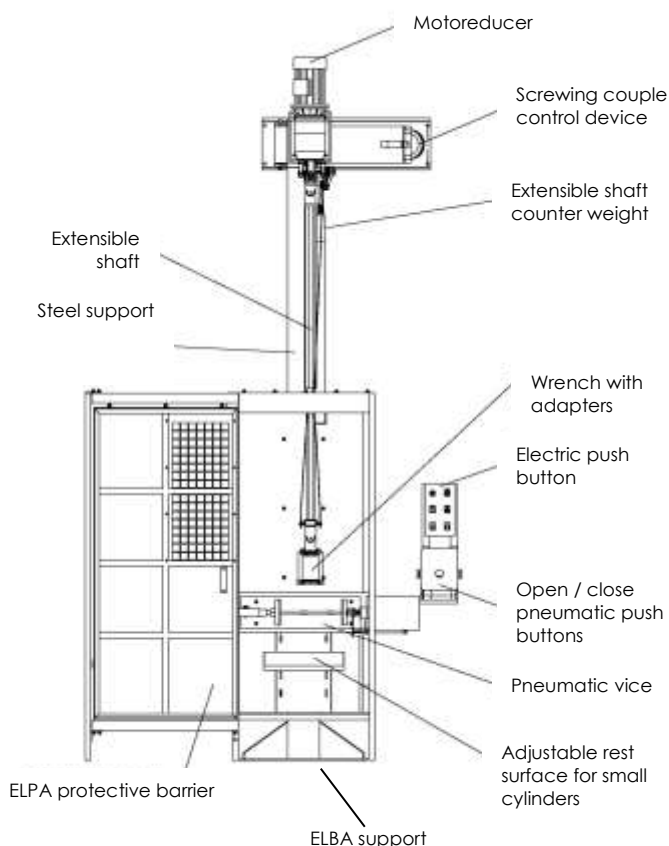
Description

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

APPLICATIONS

EL60 allow to screw and unscrew valve from gas cylinders. You can find the standard version for inert and oxygen gases 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 for to adapt dimensions to the main existing valves
- Electrical panel control board
- Pneumatic panel control board
 - 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
 - Cylinders accepted Ø 80 to Ø 320 mm

Dimension:

Total dimension with ELBA
+ ELPA installed: 1950 x 800 x (h) 3700 mm

Weight:

- Complete Valving devalving equipment 190 Kg
- Standard support ELBA 180 Kg
- Standard protection ELPA 45 Kg
- Heavy protection ELPA 120 Kg



Heavy front protection

HEAVY FRONT PROTECTION, ELPA model

Heavy front protection is designed to reduce risk of incidents caused from the devalving operation on the 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

Heavy front protection was designed and made from a steel plate 3-mm thick. On the front door two windows are provided. Windows are internal covered by special polycarbonate 8-mm.

> PER MAGGIORI INFORMAZIONI:
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