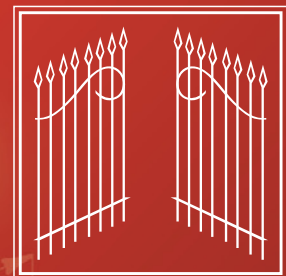


# APROLI 280<sub>BATT</sub>

- Cranked arm operator
- Oil-hydraulic
- For large pillars



**FADINI®**  
the gate opener



# APROLI 280 BATT

## Gate operator with anti-crush articulated arm

**APROLI 280 BATT** gate operator has been designed to suit applications where large pillars are involved and the gates can hang in any required position. The distance between the gate and the motor is taken up by an articulated arm that can be adjusted on site during installation. The anti-crush design ensures maximum safety for people during operations.

Aproli 280 BATT is made up of a motor pump and a jack coupled together to make a dual assembly, ie. oil-hydraulic and mechanical, performing as one unit, very compact in size. The driving force in open and close operations is controlled by safety pressure valves, which ensure smooth, anti-crush movements of the equipment in full respect of safety and security.

The hydraulic jack is made of pressure cast aluminium; all the parts that are required to generate and transmit semi-rotary motion are made of treated steel to ensure long lasting performance. The rotary motion is activated by pressurized oil, through an electric motor and a steel "lobe" pump, which transmits the motion to the jack from right to left and from left to right.

Aproli 280 BATT has a stylish cover, very pleasing to the eye. It is fitted with a small door that has a custom-toothed key and allows the release lever to be activated for manual operation of the gates in events like power failure. After power has been restored, the lever is to be brought back to its locking condition.

Aproli 280 BATT can be operated through a control box that incorporates the electronics of the system; it is very reliable and allows all the required operations to be performed at a distance by a remote control radio set, totally personalized through an encoding system, a keyswitch with custom-made key,

or a digital keypad; for the safety of people and properties the system can be completed with photocells, and a flashing lamp can provide a perfectly visible warning signal. Aproli 280 BATT has been designed to provide ease of installation both during fixing to gate posts and wiring. Each Fadini operator is delivered with an enclosed installation manual providing clear and precise instructions and diagrams of the fixing operations step by step.

Totally developed in the workshops of Meccanica Fadini, a company with more than thirty years' experience in the field of electro-hydraulic and electro-mechanical gate automation, to ensure highly technological, reliable products to the end users.

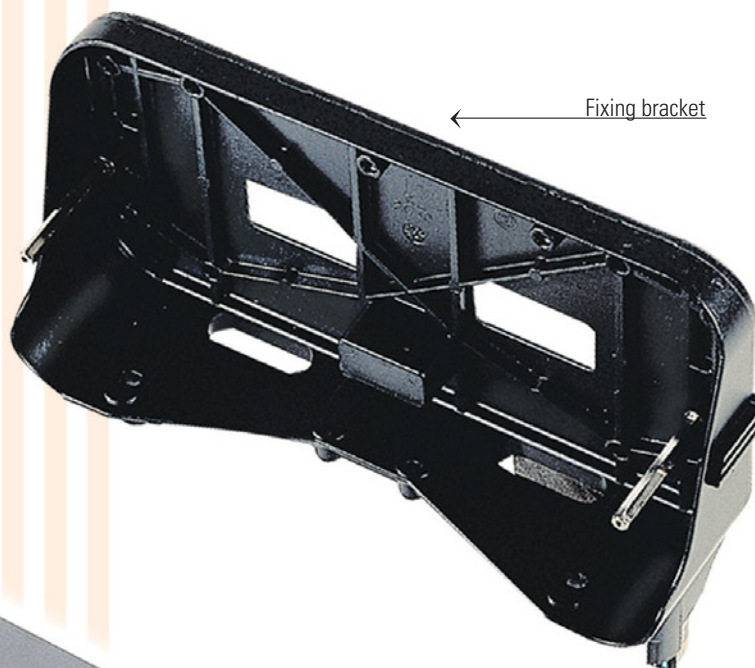


Gate stop  
in closed  
position



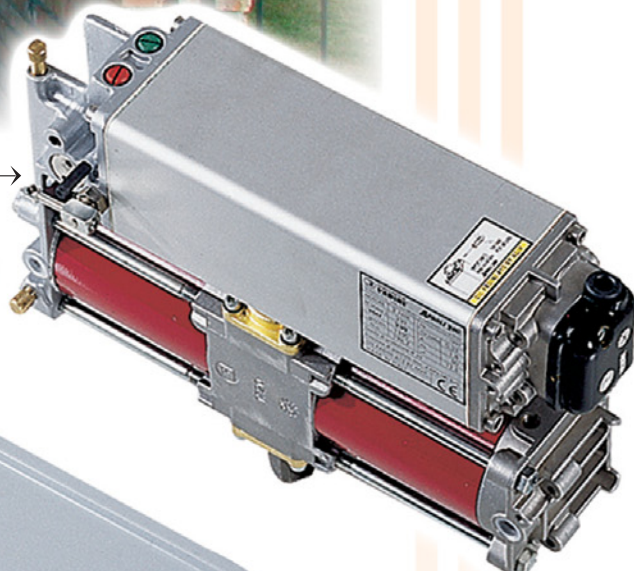
Cover





← Fixing bracket

Electric motor  
hydraulic jack assembly



Picture above:  
Right-hand articulated arm

Picture below:  
Post with Polo 44  
photocells light projector





# APROLI 280 BATT GATE OPERATOR

## Technical specifications

### ELECTRIC MOTOR

Power output .....	0.18 KW (0.25 HP)
Supply voltage / Frequency .....	230 V - 50 Hz
Current absorption .....	1.2 A
Power absorption .....	250 W
Capacitor .....	12.5 µF
Motor rotation speed .....	1'350 rpm
Intermittent service .....	S 3

### PUMP UNIT

Pump flow rate - P3 .....	0.85 l/min.
Average working pressure .....	1 MPa (10 bars)
Pump maximum pressure .....	3 MPa (30 bars)
Working temperature .....	-20°C +80°C
Opening time .....	23 s
Maximum rated torque .....	196.2 Nm
Type of oil .....	A 15 FADINI by AGIP
Shaft max. rotation .....	205°
Static weight of operator .....	11 Kg
Max. weight of the gate .....	100 Kg
Protection standard .....	IP 555
Duty cycle .....	23 sec. Opening - 30 sec. Dwell - 23 sec. Closing
Time of one complete cycle .....	76 s
No. of complete cycles: Open - Dwell - Close .....	47/h
No. of cycles a year, 8 hours a day .....	137'000

### AVAILABLE OPTIONS

- Non hydraulic locking.
- Hydraulic locking.
- With flow regulator.

### WARNINGS

- Keep to the specifications included in this brochure; make sure that the specifications on the motor sticker are suitable for your mains supply.
- Dispose properly of packaging stuff such as cardboard, nylon, polystyrene etc. through specializing companies.
- Should the operator be removed for maintenance, never cut the cables but remove them from the terminal board in the junction box by first unscrewing the respective terminal screws.
- Switch off the mains switch before opening the junction box where the cables from APROLI 280 BATT are terminated.
- All the system must be properly earthed through the provided cable that is yellow/green in colour and properly marked with the earth symbol.
- It is recommended to read the regulations, suggestions and remarks quoted in our "Warnings" booklet.
- Should APROLI 280 BATT be removed for maintenance or service, tighten the air bleed screw to prevent oil from coming out during transport.



Distributor's box

The manufacturers reserve the right to change the products without any previous notice

## Accessories



**ELPRO 13 CEI**  
control box



**ASTRO 43/2 R**  
radio receiver



**PRIT 19**  
keyswitch



**MIRI 4**  
lamp



**BIRIO A8**  
rod aerial



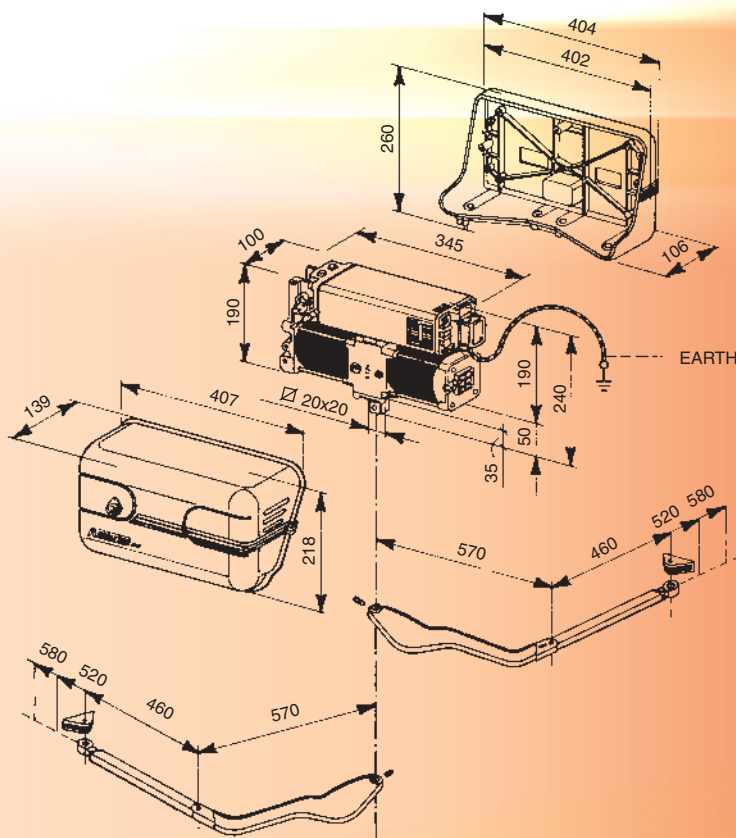
**POLO 44**  
pair of photocells



**PULIN 3 - push buttons**  
flush mount



**ASTRO 43/2 TR**  
transmitter



EUROPEAN MARK CERTIFYING  
CONFORMITY TO THE  
ESSENTIAL REQUIREMENTS OF  
THE STANDARDS 98/37/EC

- DECLARATION OF CONFORMITY
- GENERAL WARNINGS
- EN 12453, EN 12445 STANDARDS
- CEI EN 60204-1 STANDARDS
- WARRANTY CERTIFICATE ON THE CUSTOMER'S REQUEST

The "CE" mark certifies that the operator conforms to the essential requirements of the European Directive art. 10 EEC 73/23, in relation to the manufacturer's declaration for the supplied items, in compliance with the body of the regulations ISO 9000=UNI EN 29000. Automation in conformity to EN 12453, EN 12445 safety standards. The growth of MECCANICA FADINI has always been based on the development of guaranteed products thanks to our "TOTAL QUALITY CONTROL" system which ensures constant quality standards, updated knowledge of the European Standards and compliance with their requirements, in view of an ever increasing process of improvement.



**meccanica  
FADINI**  
s.n.c.

AUTOMATIC GATE MANUFACTURERS

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