

# MEC 900 OIL-HYDRAULIC BARRIER

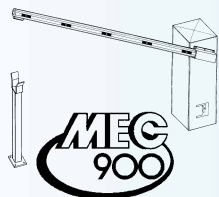
## Technical specifications

### ELECTRIC MOTOR

Power output .....	0.37 KW (0.5 HP)
Supply voltage/Frequency .....	230 V - 50 Hz
Absorbed current .....	2.4 A
Absorbed power .....	510 W
Capacitor .....	20 µF
Motor rotation speed .....	1'350 rpm
Intermittent service .....	S 3

### MOTOR PUMP

Pump flow rate - P6 .....	1.6 l/min.
Mean working pressure .....	2 MPa (20 Bars)
Max. pump pressure .....	4 MPa (40 Bars)
Working temperature .....	-20°C +80°C
Oil make .....	FADINI A 15 by Agip
Rated torque .....	542 Nm
Piston diameter .....	50 mm
Piston stroke .....	240 mm
Complete protection standards .....	IP 557
Weight of MEC 900 .....	120 Kg
Weight of 6 m beam .....	13 Kg
Colour .....	RAL 2002 orange
Duty cycle: .....	8 sec. opening - 4 sec. stop - 8 sec. closing
Time of one complete cycle .....	20 s
No. of complete cycles Opening - Stop - Closing .....	No. 180/h
Cycles a year, 8 hours' service a day .....	No. 525'000



## Accessories



**SECH 15**  
keyswitch



**LAPI 2** - flashing lamp  
and protection cage



**ASTRO 43**  
rod aerial



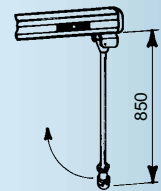
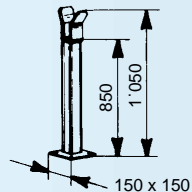
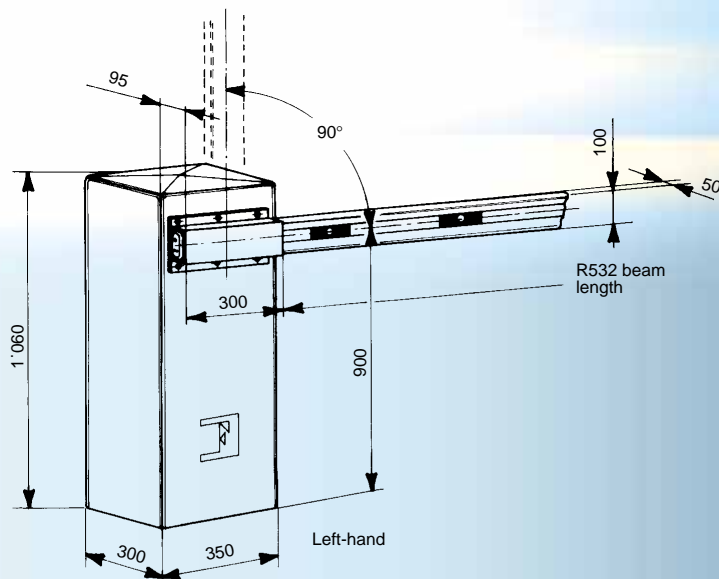
**DIFO 33**  
pair of photocells



**ASTRO 43/1 R**  
radio receiver



**ASTRO 43/2** - transmitter  
2 channel version



Lineagrafica  
2-2003

# MEC

# 900

- Oil-hydraulic barrier
- For traffic control



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

- DECLARATION OF CONFORMITY
- GENERAL WARNINGS
- UNI 8612 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 UNI 8612 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.



AUTOMATIC GATE MANUFACTURERS



**FADINI**  
the gate opener

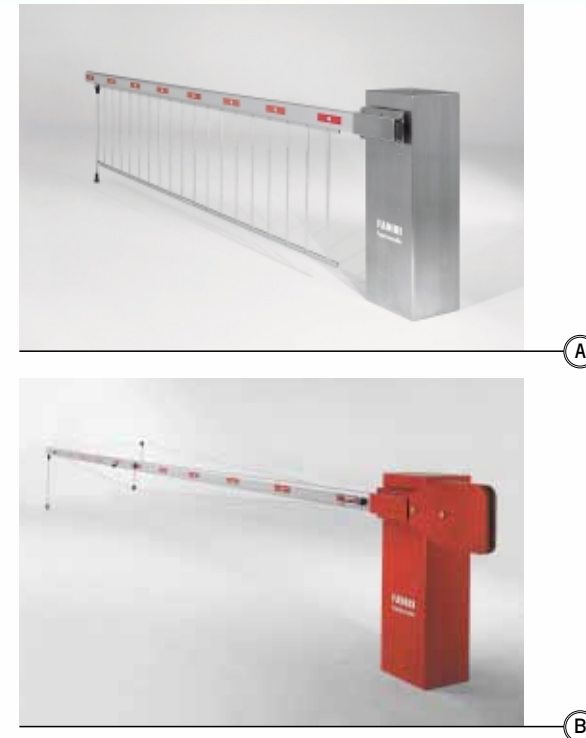
## Oil-hydraulic barrier for traffic control



**MEC 900** is an oil-hydraulic mechanism to raise and lower a beam barrier for traffic control in private, public and industrial areas. **Installation** of the barrier MEC 900 is by setting the provided base plate into a concrete foundation; anchor-ended plates are to be welded first to improve hold; the plate becomes fully concealed once enclosed into the body of the system. The body, in the shape of a cabinet, is mounted and fixed to the base plate and provides adequate housing for the hydraulic mechanism, which controls the motions of the beam and ensures a perfect performance. The housing body is made of thick sheet steel, bent into a specially designed shape so to provide a strong and robust **structure**, able to bear the mechanical stress and vibrations that are produced when the barrier is operated. The beam is made of extruded, anodized aluminium R532, has rounded corners, no sharp edges, and an elliptical profile; stylish and versatile, it can meet any length requirements. A specially designed expanding joint allows the various beam sections to be assembled into a desired length to suit the site specifications. The aluminium sections and joints are factory pre-arranged on customer's request. Meccanica Fadini has thus facilitated the transport which will improve the service to the customer. Among the features of the R532 beam is the

indented profile, where a groove is provided along the lower side to take either an articulated curtain or rubber profile for anti-crush safety on the customer's request. An indentation along the lateral side provides a seat for red phosphorescent stickers, which make the barrier visible in the dark and difficult sight conditions. Low voltage small blinking lamps fitted on the top side of the beam, or a single lamp on the top of the housing further improve visibility condition of the barrier. On request, an articulated beam and hinge can be provided for "TUNNELS" or sites with restricted space conditions, where total height clearance is limited to 2.5 meters minimum. Technical specifications and fitting instructions are supplied with the product for further detailed information on the accessories and installation procedure.

**MEC 900 with articulated beam**



- (A) Stainless steel MEC 900 oil-hydraulic right-hand
- (B) MEC 900 fitted with 8.50 m beam, catenary cables and counterbalance - Right-hand

