



ZT 70

Underground hydraulic operator for swing gates.
Residential and condominium use.



■ **Very low noise levels** thanks to the hydraulic brake to slowdown the gate during opening and closing thus preventing rebound and noisy impact.

■ **The automation is located underground** and therefore does not affect the look of the gate.

■ **The system consists** of underground self-supporting boxes aligned with the hinges. The boxes contain the hydraulic jacks which are connected to the hydraulic pump unit using copper couplings. The pump units are located in a die-cast aluminium container to protect them against severe weather conditions.

■ **Anti-crush system** with very sensitive bypass valves calibrated during installation. This immediately cuts the hydraulic pressure in the event of obstacles to ensure maximum system safety.

■ **The system envisages** an easy-maintenance self-supporting box. The jack is accessed by removing the stainless steel cover without having to remove the gate leaf. An easy-to-use manual release device ensures gate functioning in the event of a mains power supply.

CONTROL UNIT	ZT 70	B5	SF5*
SINGLE-PHASE POWER SUPPLY	230 V - 50/60 Hz		
ABSORBED POWER	250 W		
OPERATING TEMPERATURE	-20°C to +70°C		
MAX. LEAF WIDTH (m)	2,0	4,0	
PUMP CAPACITY (Lt/min)	0,75	0,75	
MAX. OPERATING PRESSURE	40 Bar		
OIL QUANTITY	1 Lt		
OIL TYPE	AprimOil HC 13		
WEIGHT WITH OIL	5 kg		
PROTECTION RATING	IP 54		

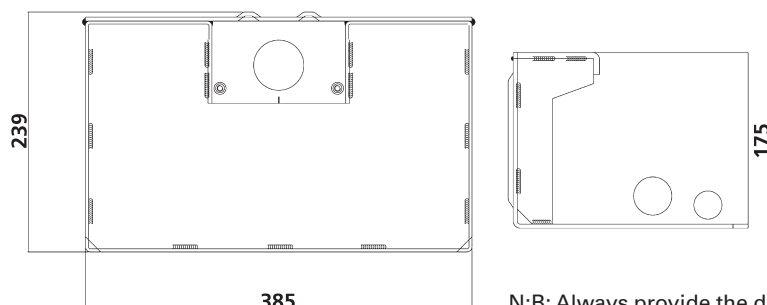
HYDRAULIC JACK	AT 175N	AT 176N
MAX. OPERATING ANGLE	110°	200°
ANGULAR PUMP SPEED FROM 0,6 Lt/min.	6°/sec.	6°/sec.
ANGULAR PUMP SPEED FROM 0,75 Lt/min.	7°/sec.	7°/sec.
MAX. THRUST FORCE	410 N	410 N
MAX. LEAF WEIGHT	800 kg	800 kg
MAX. WEIGHT WITH OIL	12 kg	13 kg
OIL QUANTITY	1 Lt	1,2 Lt
OIL TYPE	AprimOil HC 13	AprimOil HC 13
PROTECTION CLASS	IP 67	IP 67

* Model listed in the final pages of this section "Other items".

ZT 70



DIMENSIONS CIA 170 (UNDERGROUND BOX)



N:B: Always provide the drain system

DESCRIPTION	Max. leaf width	CODE
ZT 70B5 Hydraulic power unit complete with metal box, twin hydraulic lock: opening and closing, electric lock NOT required	2,0 m	41055/003
ZT 70SF5 Hydraulic power unit complete with metal box, NO hydraulic lock, electric lock required	4,0 m	41055/001
AT 175N single Single hydraulic jack for use with self-supporting box, adjustable slowdown during opening and closing, stainless steel lifting screws	Max. leaf opening 110°	41050/003
AT 176N single Single hydraulic jack for use with self-supporting box, adjustable slowdown during opening and closing, stainless steel lifting screws	Max. leaf opening 200°	41051/002
CIA 170 Self-supporting box for use with single jack, complete with support, sintered bush and splined bush, stainless steel lid and locking plate for jack	Max. leaf weight 800 kg	41005/050

DESCRIPTION OF OPTIONAL ACCESSORIES	CODE
TR2 - 433.92 MHz twin-channel transmitter	41903/002
ER2N - Pair of photocells	41811/001
PC12E - Key switch for wall mounting	41830/007
CAL - Aluminium column for the ER4N photocells	41812/050
ES3 - Electric lock complete with ground striker plate (for gate leaf longer than 1,8 m up to 3 m) CL series cylinder required	41080/008
CL1 - "DEAD HEAD" single cylinder	41080/005
CL2 - "DEAD HEAD" double cylinder	41080/004
Aprimoil HC13 (1 litre bottle)	41700/013
Copper pipe diam. 8 x1	41056/056

IDEAL INSTALLATION	Q.ty	CODE
AT 175 N - Hydraulic jacks	2	41050/003
ZT 70B5 - Hydraulic control panels	2	41055/003
CIA170 - Self-supporting underground boxes	2	41005/050
T1E - Electronic control unit	1	41605/005
Flexible tube for ZT 70 10 m	1	41056/054
Rack links for flexible tube	2	41056/055
ER4N - Pair of photocells	1	41812/001
One TR2 - 433,92 MHz twin-channel transmitter	1	41903/002
Unico 433,92 MHz Memory System radio receiver complete with antenna	1	41923/009
ET20N - 230 V flashing light	1	41841/009

NOTE: for control and safety devices and installation accessories, see section "Electronic devices and installation accessories" in this catalogue (consult the index).