



**Fully-retractable oil-hydraulic traffic control posts  
with 100 mm Ø cylindrical steel post  
500 - 600 - 800 mm travel versions**

**CORAL®**



**Fully-retractable oil-hydraulic traffic control posts  
with 200 mm Ø cylindrical steel post  
500 - 600 - 800 mm travel versions**

**VIGILO®**



Coral 1050



Traffic control posts when fully retracted



Coral 1050 with Leds



Bollards with Led lights



Elpro S40 electronic programmer for simultaneous management of up to four traffic control posts



Three-light indicator traffic lights

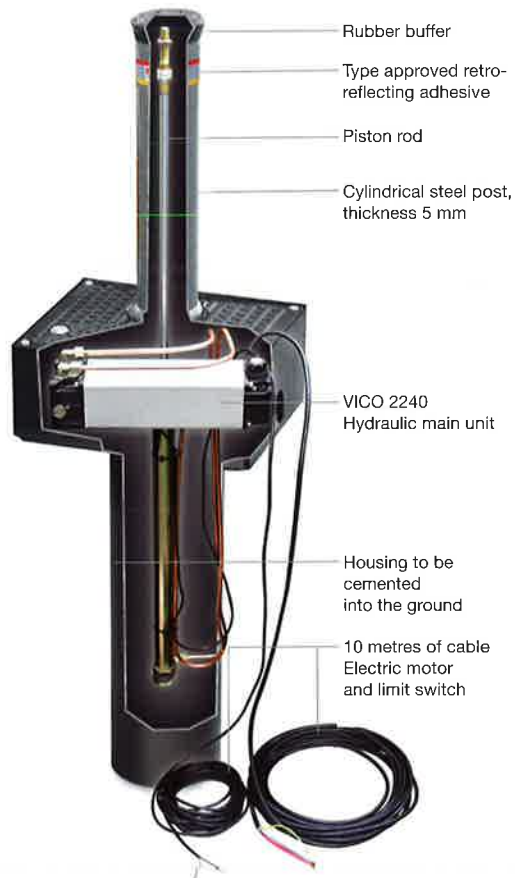


Vigilo 2250

## CORAL RANGE

Post: - diameter 100 mm  
- thickness 5 mm  
- stroke 500-600-800 mm

### INTERNAL VIEW OF THE OIL-HYDRAULIC UNIT



Automatic retractable oil-hydraulic bollards Coral and Vigilo series.  
Designed and produced for traffic control with gateways for pedestrians only and urban accessing in general, as well as for applications to delimit bicycle paths. They also provide an ideal solution against ram-raiding with shop windows or show-rooms.

### Quick Installation

A really effective solution to delimit parking areas.  
These posts are available in two options: the Coral range and the Vigilo range.  
The differences are in the post diameter and height, whereas functioning principle and components are the same.  
The oil-hydraulic assembly, that is motor pump and ram are housed in a specific enclosure (which is part of the equipment supplied) to be cemented into the ground.  
Installation is thus quick and simple.  
The oil-hydraulic drive unit makes a single compact group with the ram and is located directly under the enclosure cover, walkable and suitable for vehicular treading. A rubber profile protects the post edge on top, and a certified reflecting band makes it visible even in the dark. These bollards are also available with LED lights fitted onto the top of the post (4 LEDs with Coral and 8 with Vigilo).

### Manual release



Release operations to lower the post manually

### Coral and Vigilo accessories: a complete range for all installation requirements

Coral and Vigilo traffic control posts are electronically managed by an appliance offering customised installation and several automatic functions. It can optionally be prepared for use with traffic lights using a plug-in card, to be inserted into the Elpro S40 programmer to indicate when the post is rising (amber light), in the extended position (red) or retracted (green).

In the event of a blackout, the column remains in the extended position and can be lowered using a moulded release key that operates the main unit hydraulic circuit beneath the cover plate.

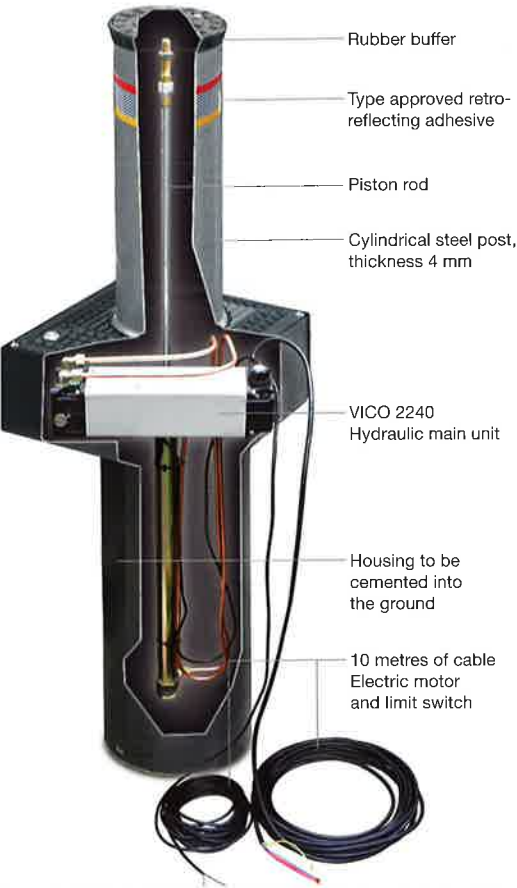
The traffic control post can optionally be fitted with a solenoid valve for instant lowering of the retractable post in the event of a blackout. The column rises again following a command impulse, when electricity is back.

## VIGILO RANGE

Post: - diameter 200 mm  
- thickness 4 mm  
- stroke 500-600-800 mm

Available also with INOX AISI 304 SS steel post

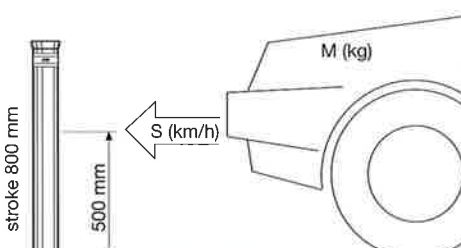
### INTERNAL VIEW OF THE OIL-HYDRAULIC UNIT

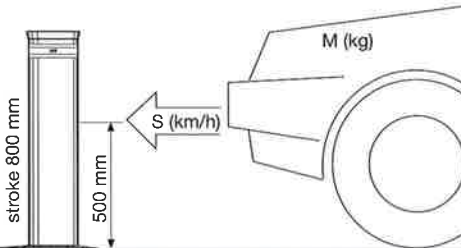


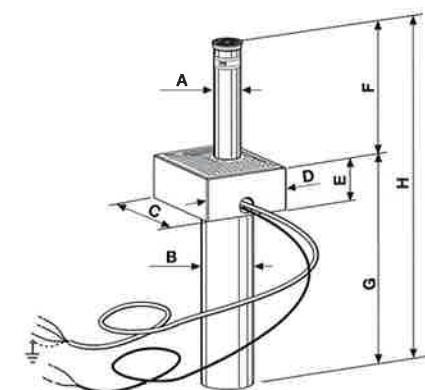


# CORAL® and VIGILO® Retractable traffic control posts

Technical specifications		
Hydraulic main unit - Vico 2240 -		
	Coral	Vigilo
Pump type	P10	P10
Pump flow rate	4.45 l/min	4.45 l/min
Average working pressure	2 MPa (20 bar)	2 MPa (20 bar)
Max pump pressure	4 MPa (40 bar)	4 MPa (40 bar)
Working temperature	-20°C +80°C	-20°C +80°C
Oil type	OIL FADINI	OIL FADINI
Pump assembly static weight	10 kg	10 kg
Pump assembly protection standards	IP 54	IP 54
Electric motor		
Power rating	0.25 kW (0.33 HP)	0.25 kW (0.33 HP)
Supply voltage	230 V	230 V
Absorbed current	1.8 A	1.8 A
Frequency	50 Hz	50 Hz
Absorbed power	330 W	330 W
Capacitor	20 µF	20 µF
Motor revolutions	2'800 rpm	2'800 rpm
Service standards	S3	S3
Oil-hydraulic piston		
Piston travel time (stroke 500 mm)	4 s	4 s
Piston travel time (stroke 600 mm)	5 s	5 s
Piston travel time (stroke 800 mm)	6 s	6 s
Service stroke	500 mm	500 mm
Service stroke	600 mm	600 mm
Service stroke	800 mm	800 mm
Piston diameter	30 mm	30 mm
Calibrated thrust	15 daN	15 daN
Protection standard complet	IP 557	IP 557
Construction features		
Post colour	Anthractite gray RAL 7016	Anthractite gray RAL 7016
Post, housing and cylindrical container material	"Fe 360" steel	"Fe 360" steel
Anti-corrosion treatment	Cataphoresis	Cataphoresis
Post weights		
Stroke 500 mm	86 kg	102 kg
Stroke 600 mm	90 kg	110 kg
Stroke 800 mm	104 kg	131 kg
Performance (stroke 500 mm)		
Duty cycle	4 s Rise - 30 s Dwell - 4 s Lower - 30 s Dwell	4 s Rise - 30 s Dwell - 4 s Lower - 30 s Dwell
Time of one complete cycle	68 s	68 s
Complete cycles Rise - Dwell - Lower - Dwell	No. 53/hour	No. 53/hour
Cycles per year (8 hours' service per day)	No. 154'000	No. 154'000
Performance (stroke 600 mm)		
Duty cycle	5 s Rise - 30 s Dwell - 5 s Lower - 30 s Dwell	5 s Rise - 30 s Dwell - 5 s Lower - 30 s Dwell
Time of one complete cycle	70 s	70 s
Complete cycles Rise - Dwell - Lower - Dwell	No. 51/hour	No. 51/hour
Cycles per year (8 hours' service per day)	No. 149'000	No. 149'000
Performance (stroke 800 mm)		
Duty cycle	6 s Rise - 30 s Dwell - 6 s Lower - 30 s Dwell	6 s Rise - 30 s Dwell - 6 s Lower - 30 s Dwell
Time of one complete cycle	72 s	72 s
Complete cycles Rise - Dwell - Lower - Dwell	No. 50/hour	No. 50/hour
Cycles per year (8 hours' service per day)	No. 146'000	No. 146'000

Coral 1050 - 1063 - 1080 crash resistance		
		
CORAL 1080		
Mass M (kg)	Speed (km/h)	Coral consequences
1'000	10	Coral resists. Minimum deformation
1'000	50	The post breaks down completely

Vigilo 2250 - 2263 - 2280 crash resistance		
		
VIGILO 2280		
Mass M (kg)	Speed (km/h)	Vigilo consequences
1'000	10	Vigilo resists. Minimum deformation
1'000	50	The post breaks down completely



Overall dimensions	A	B	C	D	E	F	G	H
Coral 1050	Ø 100	Ø 195	400	330	170	500	850	1'35
Coral 1063						600	960	1'560
Coral 1080						800	1'140	1'940
Vigilo 2250	Ø 200	Ø 275	410	410	170	500	850	1'350
Vigilo 2263						600	960	1'560
Vigilo 2280						800	1'140	1'940

**N.W.** - Measurements are in millimeters (mm).  
- Each Coral and Vigilo bollard is supplied equipped with electric cables of 10 meters in length (for electric motor, limit switch, solenoid valve, etc.)

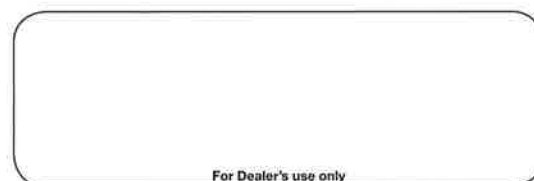
Directive 2003/108/EC  
Disposal of electric and electronic material  
**DO NOT DISPOSE OF AS NORMAL WASTE**  
**HARMFUL TO THE ENVIRONMENT**



AUTOMATIC GATE MANUFACTURERS

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**CE** We recommend that installation complies with applicable regulations, the instructions enclosed and EN 12453 and EN 12445 standards in observance of essential EC requisites



The Manufacturer reserves the right to make changes to the product without giving notice

## CORAL® VIGILO®

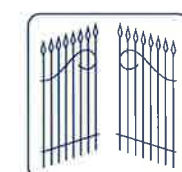
Fully retractable oil-hydraulic  
traffic control posts

Cylindrical steel post

Built-in hydraulic main unit

Stroke: 500 - 600 - 800 mm

Bollards with LED lights



**FADINI®**  
the gate opener  
Made in Italy

