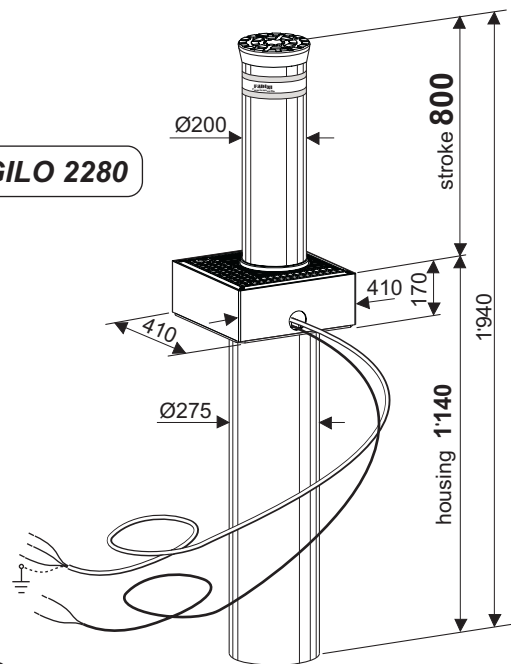


**VIGILO 2250**

*bollard thickness 4mm*

10 metres of cable  
• Electric motor  
• Limit switch



**VIGILO 2280**

*bollard thickness 4mm*

10 metres of cable  
• Electric motor  
• Limit switch

**Model Registered**

CE



**FADINI**  
the gate opener  
Made in Italy

GB

**VIGILO** is an electro-hydraulic post for traffic control. The motor pump is incorporated and pre-connected. This makes the unit easier to install. The cylindrical post is made of steel, has a diameter of 200 mm and can be commanded to rise from the ground level or lower by remote control.

Two options are available: **Vigilo 2250** (500mm stroke) and **Vigilo 2280** (stroke 800mm).

All the essential component parts (motor pump and hydraulic actuator) are inside the location enclosure, which is made of cataphoresis treated steel, a special treatment to prevent rust, and designed to be sunk into the ground. The up and down movements are carried out by the piston shaft, directly connected to the top of the post from inside the unit.

This automation is factory pre-set and calibrated making installation quick and easy in that no further adjusting is needed for proper operations. Just the electrical connections are required to be made on site for the electric motor and UP-cycle limit switch (10 m cables each are supplied with the equipment) to the electronic control board Elpro S40. Once the post has been driven to the upper limit stroke, the motor is stopped by means of a water-tight, fully sealed limit switch (limit switch Rising), on descending the motor is stopped when the post reaches the end of the permitted down stroke.

The connections between the motor pump assembly, positioned in the front side of the automation, and the hydraulic actuator are by means of rigid copper pipes completely inside the foundation housing.

A shaped universal spanner is supplied with the post to over-ride the hydraulic circuit in the pump inside the enclosure and lower the unit by hand if required. The cover of the square enclosure is designed to remain clear of standing water or other fluids. A brim is fitted to protect the top edge of the post.

A back reflecting sticker, with red and yellow stripes, ensures full visibility of the post in daylight as well as in the dark, even in difficult weather conditions.

All Vigilo automations are individually tested to ensure best performance at Meccanica Fadini.

### TECHNICAL DATA

#### Oil-hydraulic motor-pump unit - Vico 2240 -

|                                     |                |
|-------------------------------------|----------------|
| Hydraulic pump.....                 | P10            |
| Pump flow rate.....                 | 4.45 l/min.    |
| Average working pressure.....       | 2 MPa (20 bar) |
| Max. Achievable pressure.....       | 4 MPa (40 bar) |
| Working temperature.....            | -20°C +80°C    |
| Hydraulic oil type.....             | Oil Fadini     |
| Static weight of pump assembly..... | 10 Kg          |
| Pump protection standards.....      | IP 54          |

#### Electric motor

|                        |                   |
|------------------------|-------------------|
| Power yield.....       | 0.25 KW (0.33 HP) |
| Supply voltage.....    | 230 V             |
| Frequency.....         | 50 Hz             |
| Absorbed current.....  | 1.8 A             |
| Absorbed power.....    | 330 W             |
| Capacitor.....         | 20 µF             |
| Motor revolutions..... | 2'800 rpm         |
| Service mode.....      | S3                |

#### Performance Vigilo 2250

|   |  |
|---|--|
| Duty cycle.....                                   | 4s Rise - 30s Dwell - 4s Lower - 30s Dwell |
| Time of one complete cycle.....                   | 68s  |
| Complete cycles Rise - Dwell - Lower - Dwell..... | No.53/hour                                 |
| Cycles per year (8 hours' service per day).....   | No.154'000                                 |

#### Hydraulic actuator

|                                     |        |
|-------------------------------------|--------|
| Piston travel time Vigilo 2250..... | 4 s    |
| Piston travel time Vigilo 2280..... | 6 s    |
| Service stroke Vigilo 2250.....     | 500 mm |
| Service stroke Vigilo 2280.....     | 800 mm |
| Shaft diameter.....                 | 16 mm  |
| Piston diameter.....                | 30 mm  |
| Pre-set Pushing Power.....          | 15 daN |
| Protection standard complete.....   | IP 557 |

#### Post weights Vigilo Range

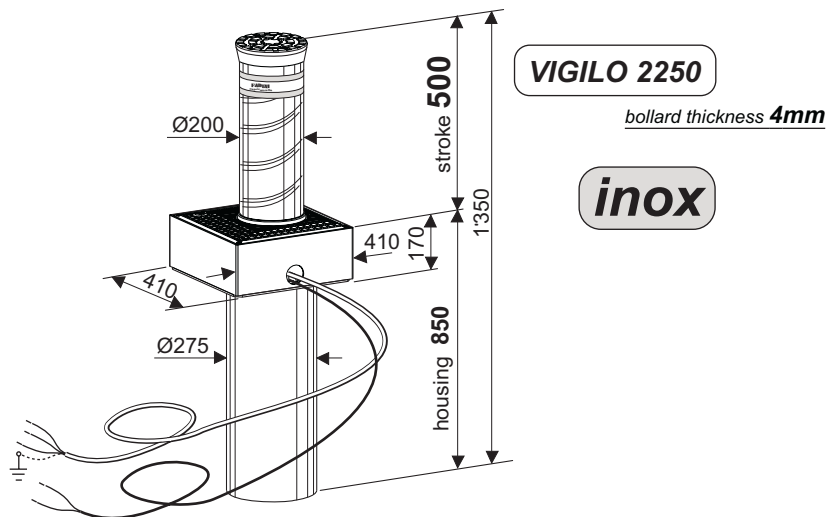
|  |        |
|--|--------|
| Static weight Vigilo 2250 (stroke 500 mm) .. | 102 Kg |
| Static weight Vigilo 2280 (stroke 800 mm) .. | 131 Kg |

#### Construction features

|   |                           |
|---|---------------------------|
| Post colour Vigilo range.....                         | Anthracite greig RAL 7016 |
| Post, housing and cylindrical container material..... | "Fe 360" steel            |
| Anti-corrosion treatment.....                         | Cataphoresis              |

#### Performance Vigilo 2280

|   |  |
|---|--|
| Duty cycle.....                                   | 6s Rise - 30s Dwell - 6s Lower - 30s Dwell |
| Time of one complete cycle.....                   | 72s  |
| Complete cycles Rise - Dwell - Lower - Dwell..... | No.50/hour                                 |
| Cycles per year (8 hours' service per day).....   | No.146'000                                 |

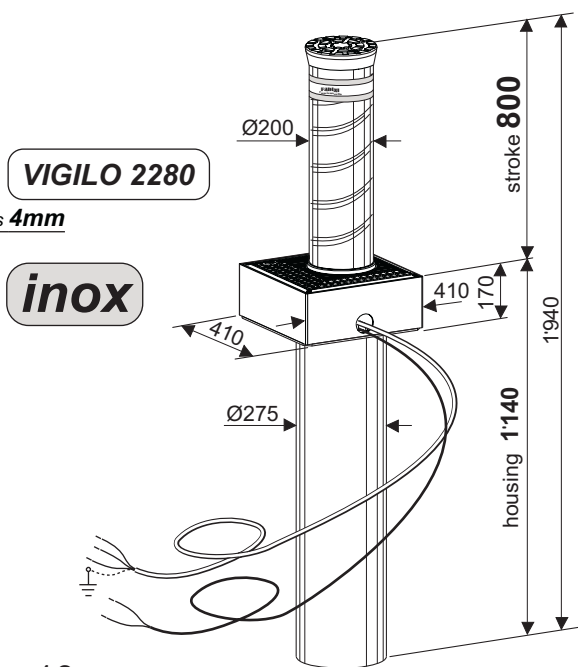


**VIGILO 2250**

*bollard thickness 4mm*

**inox**

10 metres of cable  
• Electric motor  
• Limit switch



**VIGILO 2280**

*bollard thickness 4mm*

**inox**

10 metres of cable  
• Electric motor  
• Limit switch

**Model Registered**

CE



**FADINI**  
the gate opener  
Made in Italy

GB

**VIGILO - inox** - is an electro-hydraulic post for traffic control. The motor pump is incorporated and pre-connected. This makes the unit easier to install. The cylindrical post is made of steel, has a diameter of 200 mm and can be commanded to rise from the ground level or lower by remote control.

Two options are available: **Vigilo 2250 - inox** - (500mm stroke) and **Vigilo 2280 - inox** - (stroke 800mm).

All the essential component parts (motor pump and hydraulic actuator) are inside the location enclosure, which is made of cathaphoresis treated steel, a special treatment to prevent rust, and designed to be sunk into the ground. The up and down movements are carried out by the piston shaft, directly connected to the top of the post from inside the unit.

This automation is factory pre-set and calibrated making installation quick and easy in that no further adjusting is needed for proper operations. Just the electrical connections are required to be made on site for the electric motor and UP-cycle limit switch (10 m cables each are supplied with the equipment) to the electronic control board Elpro S40. Once the post has been driven to the upper limit stroke, the motor is stopped by means of a water-tight, fully sealed limit switch (limit switch Rising), on descending the motor is stopped when the post reaches the end of the permitted down stroke.

The connections between the motor pump assembly, positioned in the front side of the automation, and the hydraulic actuator are by means of rigid copper pipes completely inside the foundation housing.

A shaped universal spanner is supplied with the post to over-ride the hydraulic circuit in the pump inside the enclosure and lower the unit by hand if required. The cover of the square enclosure is designed to remain clear of standing water or other fluids. A brim is fitted to protect the top edge of the post.

A back reflecting sticker, with red and yellow stripes, ensures full visibility of the post in daylight as well as in the dark, even in difficult weather conditions.

All **Vigilo - inox** - automations are individually tested to ensure best performance at Meccanica Fadini.

**TECHNICAL DATA**

**Oil-hydraulic motor-pump unit - Vico 2240 -**

|                                     |                |
|-------------------------------------|----------------|
| Hydraulic pump.....                 | P10            |
| Pump flow rate.....                 | 4.45 l/min.    |
| Average working pressure.....       | 2 MPa (20 bar) |
| Max. Achievable pressure.....       | 4 MPa (40 bar) |
| Working temperature.....            | -20°C +80°C    |
| Hydraulic oil type.....             | Oil Fadini     |
| Static weight of pump assembly..... | 10 Kg          |
| Pump protection standards.....      | IP 54          |

**Electric motor**

|                        |                   |
|------------------------|-------------------|
| Power yield.....       | 0.25 KW (0.33 HP) |
| Supply voltage.....    | 230 V             |
| Frequency.....         | 50 Hz             |
| Absorbed current.....  | 1.8 A             |
| Absorbed power.....    | 330 W             |
| Capacitor.....         | 20 µF             |
| Motor revolutions..... | 2'800 rpm         |
| Service mode.....      | S3                |

**Performance Vigilo 2250 - inox -**

|   |  |
|---|--|
| Duty cycle.....                                   | 4s Rise - 30s Dwell - 4s Lower - 30s Dwell |
| Time of one complete cycle.....                   | 68s  |
| Complete cycles Rise - Dwell - Lower - Dwell..... | No.53/hour                                 |
| Cycles per year (8 hours' service per day).....   | No.154'000                                 |

**Hydraulic actuator**

|  |        |
|--|--------|
| Piston travel time Vigilo 2250 inox..... | 4 s    |
| Piston travel time Vigilo 2280 inox..... | 6 s    |
| Service stroke Vigilo 2250 inox.....     | 500 mm |
| Service stroke Vigilo 2280 inox.....     | 800 mm |
| Shaft diameter.....                      | 16 mm  |
| Piston diameter.....                     | 30 mm  |
| Pre-set Pushing Power.....               | 15 daN |
| Protection standard complete.....        | IP 557 |

**Post weights Vigilo Range - inox -**

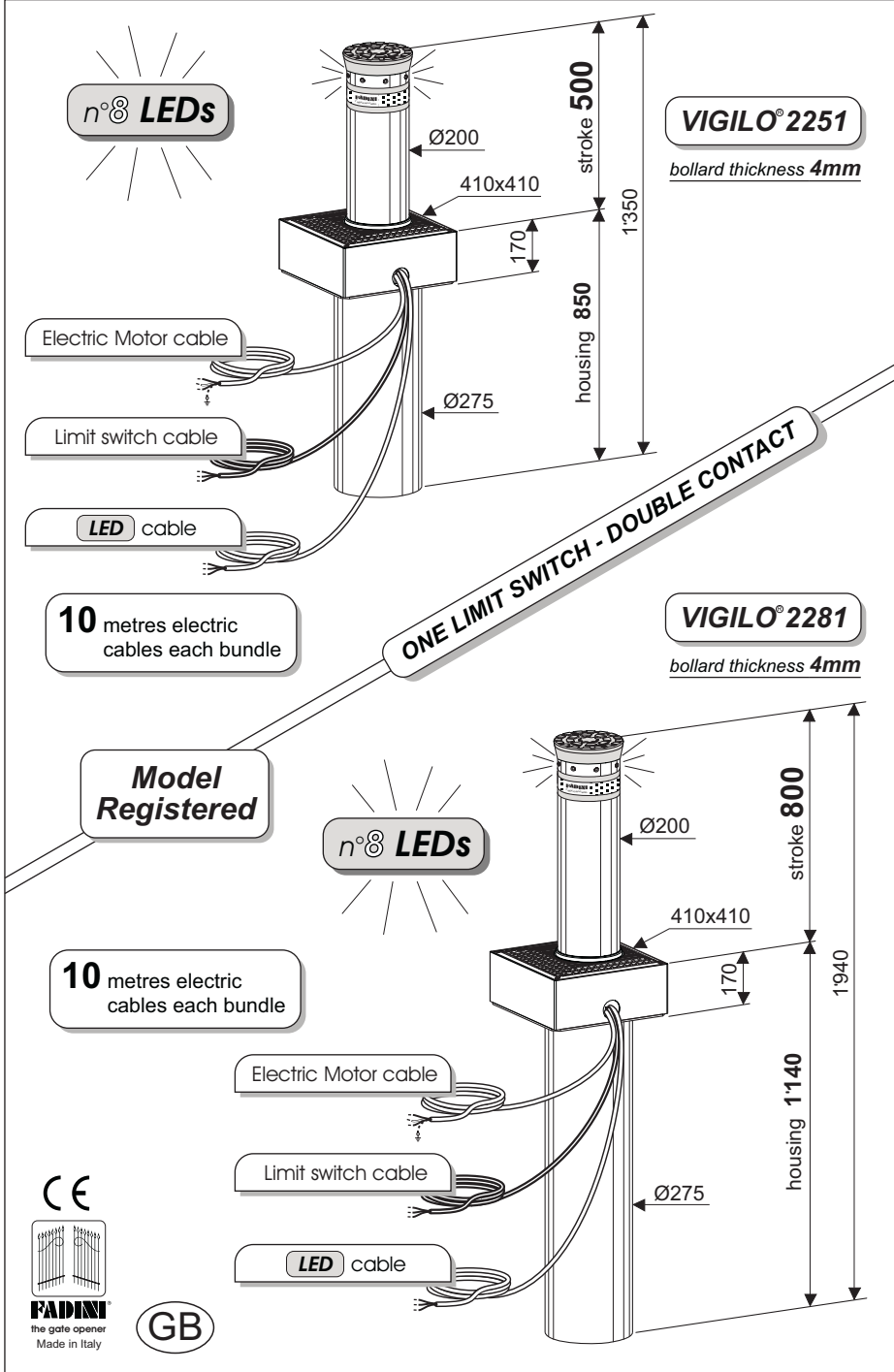
|   |        |
|---|--------|
| Static weight Vigilo 2250 inox (stroke 500 mm)..... | 102 Kg |
| Static weight Vigilo 2280 inox (stroke 800 mm)..... | 131 Kg |

**Construction features**

|  |                 |
|--|-----------------|
| Material of the enclosure and structure..... | "Fe 360"        |
| " of the stainless steel post.....           | Inox "Aisi 304" |

**Performance Vigilo 2280 - inox -**

|   |  |
|---|--|
| Duty cycle.....                                   | 6s Rise - 30s Dwell - 6s Lower - 30s Dwell |
| Time of one complete cycle.....                   | 72s  |
| Complete cycles Rise - Dwell - Lower - Dwell..... | No.50/hour                                 |
| Cycles per year (8 hours' service per day).....   | No.146'000                                 |



**VIGILO 2251** and **VIGILO 2281** are electro-hydraulic posts for traffic control. The motor pump is incorporated and pre-connected. This makes the unit easier to install. The cylindrical post is made of steel, has a diameter of 200 mm and can be commanded to rise from the ground level or lower by remote control.

Two options are available: **Vigilo 2251** (500mm stroke) and **Vigilo 2281** (stroke 800mm), both models are fitted with mechanical limit switches, for rising and lowering cycles, and 8 led lamps for intermittent light.

All the essential component parts (motor pump and hydraulic actuator) are inside the location enclosure, which is made of cataphoresis treated steel, a special treatment to prevent rust, and designed to be sunk into the ground. The up and down movements are carried out by the piston shaft, directly connected to the top of the post from inside the unit. This automation is factory pre-set and calibrated making installation quick and easy in that no further adjusting is needed for proper operations. Just the electrical connections are required to be made on site for the electric motor, led lamps and limit switches (supplied with the equipment in 10 m lengths, each) to the electronic control board Elpro S40.

The movement of the post is stopped by means of a water-tight limit switch, operated by a sliding feeler, fitted on to the post. The connections between the motor pump assembly, positioned in the front side of the automation, and the hydraulic actuator are by means of rigid copper pipes completely inside the foundation housing.

A shaped universal spanner is supplied with the post to over-ride the hydraulic circuit in the pump inside the enclosure and lower the unit by hand if required. The cover of the square enclosure is designed to remain clear of standing water or other fluids. A rubber brim is fitted to protect the top edge of the post.

A back reflecting sticker, with red and yellow stripes, ensures full visibility of the post in daylight as well as in the dark, even in difficult weather conditions.

All Coral posts are individually tested at Meccanica Fadini's to ensure best performance.

**TECHNICAL DATA**

**Oil-hydraulic motor-pump unit - Vico 2240 -**

|                                     |                |
|-------------------------------------|----------------|
| Hydraulic pump.....                 | P10            |
| Pump flow rate.....                 | 4.45 l/min.    |
| Average working pressure.....       | 2 MPa (20 bar) |
| Max. Achievable pressure.....       | 4 MPa (40 bar) |
| Working temperature.....            | -20°C +80°C    |
| Hydraulic oil type.....             | Oil Fadini     |
| Static weight of pump assembly..... | 10 Kg          |
| Pump protection standards.....      | IP 54          |

**Hydraulic actuator**

|                                     |        |
|-------------------------------------|--------|
| Piston travel time Vigilo 2251..... | 4 s    |
| Piston travel time Vigilo 2281..... | 6 s    |
| Service stroke Vigilo 2251.....     | 500 mm |
| Service stroke Vigilo 2281.....     | 800 mm |
| Shaft diameter.....                 | 16 mm  |
| Piston diameter.....                | 30 mm  |
| Pre-set Pushing Power.....          | 15 daN |
| Protection standard complete.....   | IP 557 |

**Electric motor**

|                        |                   |
|------------------------|-------------------|
| Power yield.....       | 0.25 KW (0.33 HP) |
| Supply voltage.....    | 230 V             |
| Frequency.....         | 50 Hz             |
| Absorbed current.....  | 1.8 A             |
| Absorbed power.....    | 330 W             |
| Capacitor.....         | 20 µF             |
| Motor revolutions..... | 2'800 rpm         |
| Service mode.....      | S3                |

**Bollard weights Vigilo Range**

|  |        |
|--|--------|
| Static weight Vigilo 2251 (stroke 500 mm)..... | 102 Kg |
| Static weight Vigilo 2281 (stroke 800 mm)..... | 131 Kg |

**Construction features**

Post colour Vigilo range..... Anthracite greig RAL 7016  
 Post, housing and cylindrical container material..... "Fe 360" steel  
 Anti-corrosion treatment..... Cataphoresis

**Performance Vigilo 2251**

|   |  |
|---|--|
| Duty cycle.....                                   | 4s Rise - 30s Dwell - 4s Lower - 30s Dwell |
| Time of one complete cycle.....                   | 68s  |
| Complete cycles Rise - Dwell - Lower - Dwell..... | No.53/hour                                 |
| Cycles per year (8 hours' service per day).....   | No.154'000                                 |

**Performance Vigilo 2281**

|   |  |
|---|--|
| Duty cycle.....                                   | 6s Rise - 30s Dwell - 6s Lower - 30s Dwell |
| Time of one complete cycle.....                   | 72s  |
| Complete cycles Rise - Dwell - Lower - Dwell..... | No.50/hour                                 |
| Cycles per year (8 hours' service per day).....   | No.146'000                                 |