

RISING BOLLARDS AND PARKING BARRIERS...

FOR FLEXIBLE, RELIABLE VEHICLE CONTROL

Rising Bollards

- Restrict vehicular access in public and private areas in commercial, industrial and residential applications
- Restrict access 24 hours or during certain periods
- Cost-effective and convenient way to prevent unauthorised vehicle access or removal
- Prevent unauthorised parking, loading or vehicles turning
- Reduce property damage by preventing ram raids
- Regulate traffic flow into pedestrianised areas



Parking Barriers

- Parking control in commercial, industrial and residential applications
- Restrict access 24 hours or during certain periods
- Prevent unauthorised vehicle access or removal
- Prevent unauthorised parking, loading or vehicles turning



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FADINI Gate Automation from

bpt

Security Systems UK Ltd

EFFECTIVE SOLUTIONS FOR MEDIUM AND HEAVY DUTY USE TO SUIT CUSTOMER REQUIREMENTS



Vigilo

Vigilo provides medium duty access control at leading commercial estate

Vigilo's were the bollards of choice for GSM Security at an office/warehouse property at Severalls Park, Colchester's leading commercial estate. The two sets of Vigilo F/RBV2250 bollards were installed at the vehicle entrance and exit points of the business and integrated with a BPT audio entry system, traffic lights, safety and access control system.

Available in two heights, 500mm and 800mm, these bollards are treated with a rust prevention process and powder-coated treated as well as being specifically designed to repel stones which prevents the unit from catching and getting stuck, providing a reliable, robust solution for virtually any environment.

Installation is simple with a self-contained hydraulic pump and piston assembly ensuring that no special adjusting or calibration is required. The bollards allow manual override in the event of an emergency or power failure and there is also the option of an electro-valve and coupling, which automatically lowers the bollard in the event of a power failure.

The Vigilo F/RBV2250 takes just 4 seconds to lower and is available in any RAL colour (optional extra) to complement its surroundings.



Heavy duty Strabuc bollards meet Fife Constabulary's specification

Strabuc Armoured bollards were the choice for Access Control and Automation Ltd of Edinburgh at Fife Constabulary's headquarters to control the vehicle access to the Force Contact Centre.

Visitors to the centre can only gain vehicle access to the restricted area once they have been verified at reception. The bollards are then lowered from a secure location within the centre.

The armoured sleeve provides a strong and durable protection and is designed to withstand extreme force, so preventing unauthorised vehicle access into the restricted area. The bollards are driven by means of an electro-hydraulic pump and motor assembly, which generates superior power at the piston enabling the heavy sleeve to be raised from within the ground sleeve. Integral pressure adjusting devices allow the operating pressures to be set as required, along with a secure method of lowering the bollard manually in the event of a power failure.

Strabuc armoured bollards are available in any RAL colour. A range of static bollards in the same style are also available allowing the road width to be restricted down to the area of the rising bollards.

Strabuc



STRABUC - THE HIGH SECURITY CHOICE WITH STAINLESS STEEL AND RAL COLOUR OPTIONS



Strabuc High Impact

Electro-hydraulic rising bollards with built-in flashing LEDs, ideal for keeping traffic out of sensitive areas

The Strabuc is a hydraulically operated post of 275mm diameter designed to protect premises and for use in traffic control in both commercial and industrial sites. A feature of this bollard is the built-in flashing LEDs which acts as a warning while the post is in operation. Available with a 4mm or 12mm sleeve, Strabuc comes in yellow, mid grey or stainless steel as standard but is also available in any RAL colour to complement surroundings.

Strabuc bollards are supplied as a two-piece assembly with the ground sleeve having anchor points which give a very secure fixing and allows easy insertion of the main bollard assembly. Each bollard is supplied with 10m of cable that is run back to the control board supplied with a 240V 10A electrical supply.

Vehicle safety can be provided from vehicle sensing loops located either side of the post. Strabuc bollards are easily integrated with access control and safety equipment and can be operated from a wide range of controls such as remote control, card or token readers and vehicle sensing loops.

For applications where frequent or heavy use is expected, Strabuc bollards are also available with remote, air-cooled pump.



CORAL & VIGILO SPECIFICATIONS



CORAL F/RBC1050



CORAL F/RBC1080

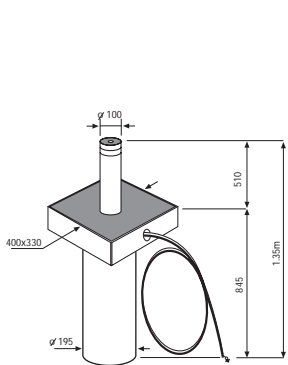


VIGILO F/RBV2250

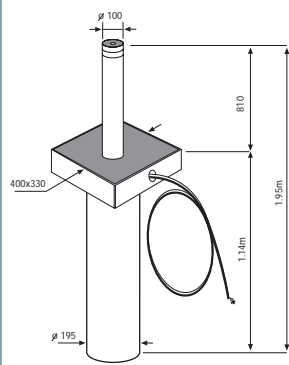


VIGILO F/RBV2280

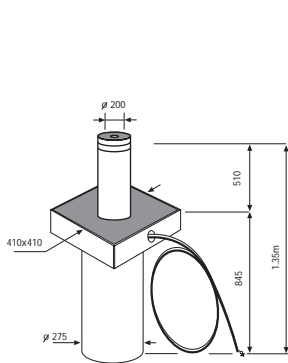
Coral and Vigilo	Diameter (mm)	Height	Thickness of Sleeve (mm)	Operating Time (secs)	Bollard Weight (kg)	Sleeve Material	Security Lock	LED Indicators	Sleeve Colour
F/RBC1050	100	500	5	4	86	Steel	No	No	Dark Grey
F/RBC1080	100	800	6	104	Steel	No	No	Dark Grey	
F/RBV2250	200	500	5	4	102	Steel	No	No	Dark Grey
F/RBV2280	200	800	5	6	131	Steel	No	No	Dark Grey



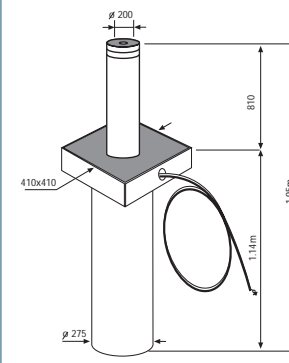
F/RBC1050



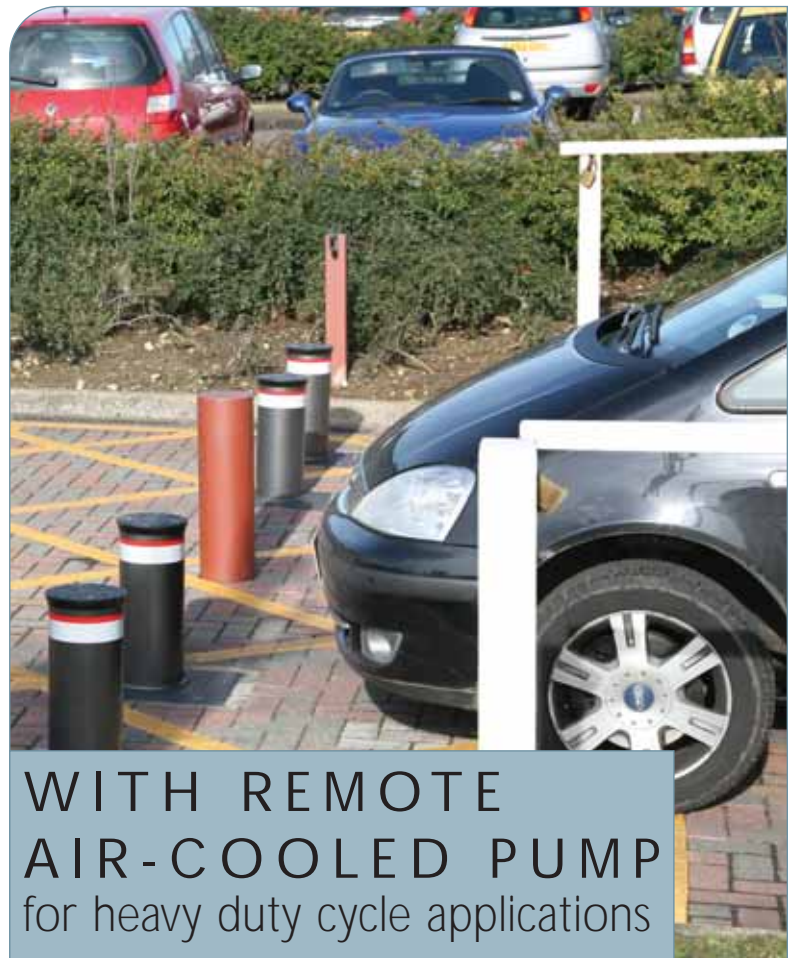
F/RBC1080



F/RBV2250



F/RBV2280



WITH REMOTE AIR-COOLED PUMP for heavy duty cycle applications

Coral and Vigilo AC	Diameter (mm)	Height	Thickness of Sleeve (mm)	Operating Time (secs)	Bollard Weight (kg)	Sleeve Material	Security Lock	LED Indicators	Sleeve Colour
F/RBC1050AC	100	500	5	4	76	Steel	No	No	Dark Grey
F/RBC1080AC	100	800	5	6	94	Steel	No	No	Dark Grey
F/RBV2250AC	200	500	5	4	92	Steel	No	No	Dark Grey
F/RBV2280AC	200	800	5	6	121	Steel	No	No	Dark Grey

STRABUC SPECIFICATIONS

Strabuc	Diameter (mm)	Height	Thickness of Sleeve (mm)	Operating Time (secs)	Bollard Weight (kg)	Sleeve Material	Security Lock	LED Indicators	Sleeve Colour
F/S918	275	700	4	6	155	Steel	No	Yes	Yellow
F/S918SS	275	700	4	6	155	Stainless Steel	No	Yes	St/Steel
F/S930	275	700	12	10	207	Steel	Yes	Yes	Mid Grey

Note: All Strabuc bollards are supplied with a ground sleeve and anchor fixings.

In heavy duty cycle applications, a remote air-cooled pump assembly enables higher usage than all-in-one systems.

This option is now available for all Fadini bollard styles and sizes, giving a higher duty for busy sites.

The pump and motor are housed in a lockable enclosure, which is connected to the bollard with the use of 3 flexible hoses (standard length is 6m). The system is controlled using the same controllers, Elpro 10 and Elpro S40, depending on how many bollards there are.

Safety can be provided from vehicle sensing loops or photocells, located either side of the bollards. The system is easily integrated with access control and traffic light indication.



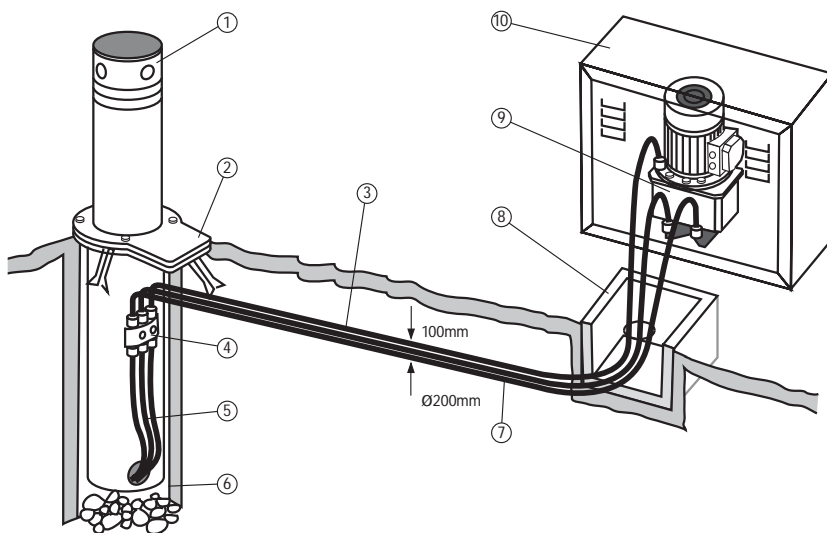
WITH REMOTE AIR-COOLED PUMP
for heavy duty cycle applications

Strabuc AC	Diameter (mm)	Height	Thickness of Sleeve (mm)	Operating Time (secs)	Bollard Weight (kg)	Sleeve Material	Security Lock	LED Indicators	Sleeve Colour
F/S918AC	275	700	4	6	140	Steel	No	Yes	Yellow
F/S918SSAC	275	700	4	6	140	Stainless Steel	No	Yes	St/Steel
F/S930AC	275	700	12	10	192	Steel	Yes	Yes	Mid Grey

Note: All Strabuc bollards are supplied with a ground sleeve and anchor fixings.

THE TOTAL ACCESS CONTROL SOLUTION

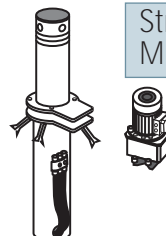
System installation for air-cooled Strabuc bollards



Description

- 1 - Hydraulically driven rising post Strabuc
- 2 - Fixing plate with opening for piping passage
- 3 - Grounded piping connecting Strabuc to MEC 700/80 Ventil Drive Unit - not supplied
- 4 - Pipe block connecting internal to external piping
- 5 - Internal hoses
- 6 - Ground sleeve
- 7 - Hoses (standard length 6.0m)
- 8 - Pit for external piping passage
- 9 - MEC 700/80 Ventil hydraulic drive unit
- 10 - Large protection enclosure with support bracket for hydraulic unit

Strabuc with external MEC 700/80 drive unit



CONTROLLERS FOR BOLLARDS

User-friendly control with two models of electronic controller for hydraulic bollards!

To control single hydraulic bollards

Control single hydraulic bollards via the 240V motor output with an Elpro 10 electronic controller. Each bollard has an integral limit switch which connects back to the controller. This signal will not only switch off the motor in the down position, but also provide a signal for traffic lights.

There is the facility to plug in a radio receiver, giving access via a handheld transmitter and there are inputs and outputs for safety, access control and visual indicators. LED indicators are also provided to assist with fault finding and commissioning.

The system can be set to operate in fully automatic mode which will raise the bollard after a pre-set time. Functions such as the dwell time, delay time and motor time are fully adjustable on the controller with the use of potentiometers and other functions are selected using dip switches.

To control multiple hydraulic bollards

For controlling multiple bollards, the Elpro S40 has been specifically designed to operate up to four hydraulic bollards simultaneously. The controller has 4 separately fused supplies at 5A as well as dedicated terminals for the connection of additional capacitors if required. As with the Elpro 10, limit switch inputs, safety inputs, access control inputs are provided giving flexible control of the bollards.

A useful feature of the Elpro S40 is the ability to control one bollard independently with a separate command to lower one bollard for cars, bikes, etc. while restricting access to larger vehicles.

An additional plug-in card is available for traffic light control along with the facility for a plug-in radio receiver and LED indicators are provided to assist with fault finding and commissioning of the system. Operating functions and timing are set using dip switches and potentiometers.



BPT can also supply a wide range of entry and access control solutions, as well as a wide range of gate automation and parking barriers.

HYDRAULIC PARKING BARRIERS FOR HEAVY USE APPLICATIONS



Bayt 980

Heavy duty use hydraulic parking barrier with beams up to 8.5m

The Bayt 980 single phase supply electro-hydraulic barrier is the ideal solution for entrances to parking areas, offices, industrial sites and commercial sites. The electronic controller has the necessary features for integration with access control and safety systems and a selectable anti-tailgate option on the controller is provided for applications requiring greater control of vehicle movement.

The Bayt 980 is supplied complete with steel housing cabinet, mounting base plate, air-cooled motor, electronic control unit and voltage cut off isolator. New features of the Bayt 980 include blanked off cut outs for mounting accessories such as keypads and photocells and a revised, more efficient motor/piston assembly and reversed counterbalance coil operation that compresses rather than expands, giving greater lifespan and reliability. The piston is also mounted directly on the pump assembly which eliminates the need for flexible hoses, increasing the barrier's efficiency and ensuring a smoother operation.

The Bayt 980 can meet requirements up to 8.5m (8.2m road width), with or without a skirt. Beams are supplied in sections that are assembled on site using expansion joints and feature a continuous groove on the underside for the easy addition of the skirt or safety edge.

The standard finish of the barrier cabinet is orange with a silver door and top cover however Stainless Steel and other RAL colours are an option. A manually operated version of the Bayt 980 is also available as well as articulated beams for restricted headroom.

Barrier handing

To determine whether a barrier is LEFT or RIGHT handed, look at where the barrier is to be mounted from OUTSIDE the site:

- If the barrier housing is to be on the left, you require a LEFT handed barrier. Cabinet door faces inwards.
- If the barrier housing is to be on the right, you require a RIGHT handed barrier. Cabinet door faces inwards.

BAYT 980 PARKING BARRIER

Barriers without skirts - select beam length and handing required in left column. List the parts required for complete barrier.

Beam Length 300mm in Clamp	Barrier Part No.	Beam Options		Beam Reinforcement & Counterbalance Kit
		No LEDs on Beam	Beam with LEDs and Controller	
2.1m Left (1.8m)	F/B980/LH4	1 x F/BEAM 2.1	1x F/9861, 1x F/9840	n/a
2.1m Right (1.8m)	F/B980/RH4	1 x F/BEAM 2.1	1x F/9861, 1x F/9840	n/a
3.2 m Left (2.9m)	F/B980/LH4	1 x F/BEAM 3.2	1x F/9862, 1x F/9840	n/a
3.2 m Right (2.9m)	F/B980/RH4	1 x F/BEAM 3.2	1x F/9862, 1x F/9840	n/a
4.2 m Left (3.9m)	F/B980/LH4	1 x F/BEAM 4.2	1x F/9863, 1x F/9840	n/a
4.2 m Right (3.9m)	F/B980/RH4	1 x F/BEAM 4.2	1x F/9863, 1x F/9840	n/a
5.3 m Left (5m)	F/B980/LH8	1 x F/BEAM 5.3	1x F/9864, 1x F/9840	n/a
5.3 m Right (5m)	F/B980/RH8	1 x F/BEAM 5.3	1x F/9864, 1x F/9840	n/a
6.4 m Left (6.1m)	F/B980/LH8	1 x F/BEAM 6.4	1x F/9865, 1x F/9840	n/a
6.4 m Right (6.1m)	F/B980/RH8	1 x F/BEAM 6.4	1x F/9865, 1x F/9840	n/a
7.4 m Left (7.1m)	F/B980/LH19	1 x F/BEAM 7.4	1x F/9866, 1x F/9840	1 x F/BEAMR 7.4
7.4 m Right (7.1m)	F/B980/RH19	1 x F/BEAM 7.4	1x F/9866, 1x F/9840	1 x F/BEAMR 7.4
8.5 m Left (8.2m)	F/B980/LH19	1 x F/BEAM 8.5	1x F/9867, 1x F/9840	1 x F/BEAMR 8.5
8.5 m Right (8.2m)	F/B980/RH19	1 x F/BEAM 8.5	1x F/9867, 1x F/9840	1 x F/BEAMR 8.5

NOTE: Stainless Steel Barrier Cabinets available on request. Delivery time 4 weeks.

Barriers with skirts - select beam length and handing required in left column. List the part required for complete barrier.

Beam Length 300mm in Clamp	Barrier Part No.	Beam Options		Beam Reinforcement & Counterbalance Kit	Skirt
		No LED's on Beam	Beam with LED's and Controller		
2.1m Left (1.8m)	F/B980/LH8	1 x F/BEAM 2.1	1x F/9861, 1x F/9840	n/a	F/SKIRT 2.1
2.1m Right (1.8m)	F/B980/RH8	1 x F/BEAM 2.1	1x F/9861, 1x F/9840	n/a	F/SKIRT 2.1
3.2 m Left (2.9m)	F/B980/LH8	1 x F/BEAM 3.2	1x F/9862, 1x F/9840	n/a	F/SKIRT 3.2
3.2 m Right (2.9m)	F/B980/RH8	1 x F/BEAM 3.2	1x F/9862, 1x F/9840	n/a	F/SKIRT 3.2
4.2 m Left (3.9m)	F/B980/LH8	1 x F/BEAM 4.2	1x F/9863, 1x F/9840	n/a	F/SKIRT 4.2
4.2 m Right (3.9m)	F/B980/RH8	1 x F/BEAM 4.2	1x F/9863, 1x F/9840	n/a	F/SKIRT 4.2
5.3 m Left (5m)	F/B980/LH14	1 x F/BEAM 5.3	1x F/9864, 1x F/9840	n/a	F/SKIRT 5.3
5.3 m Right (5m)	F/B980/RH14	1 x F/BEAM 5.3	1x F/9864, 1x F/9840	n/a	F/SKIRT 5.3
6.4 m Left (6.1m)	F/B980/LH14	1 x F/BEAM 6.4	1x F/9865, 1x F/9840	1 x F/CWEIGHT, 1 x F/BEAMR3.0	F/SKIRT 6.4
6.4 m Right (6.1m)	F/B980/RH14	1 x F/BEAM 6.4	1x F/9865, 1x F/9840	1 x F/CWEIGHT, 1 x F/BEAMR3.0	F/SKIRT 6.4
7.4 m Left (7.1m)	F/B980/LH19	1 x F/BEAM 7.4	1x F/9866, 1x F/9840	1 x F/BEAMR 7.4	F/SKIRT 7.4
7.4 m Right (7.1m)	F/B980/RH19	1 x F/BEAM 7.4	1x F/9866, 1x F/9840	1 x F/BEAMR 7.4	F/SKIRT 7.4
8.5 m Left (8.2m)	F/B980/LH19	1 x F/BEAM 8.5	1x F/9867, 1x F/9840	1 x F/BEAMR 8.5	F/SKIRT 8.5
8.5 m Right (8.2m)	F/B980/RH19	1 x F/BEAM 8.5	1x F/9867, 1x F/9840	1 x F/BEAMR 8.5	F/SKIRT 8.5

NOTE: Stainless Steel Barrier Cabinets available on request. Delivery time 4 weeks.

THE TOTAL ACCESS CONTROL SOLUTION



Barrier operating times

Standard Beam Length

Up to 3.9m	4 seconds
4.0m - 6.1m	8 seconds
6.2m - 8.2m	19 seconds

Beam and Fitted Skirt

Up to 3.9m	8 seconds
4.0m - 5.0m	14 seconds
5.1m - 8.2m	19 seconds



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