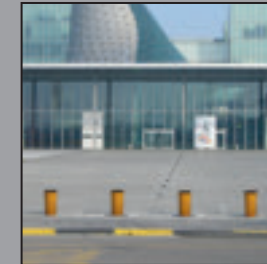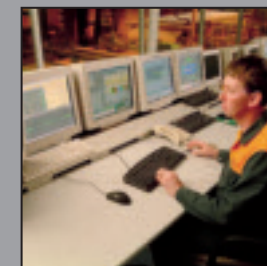# The Urbaco Catalogue

Retractable bollards

Access control

Centralisation systems

Fixed and removable bollards and posts
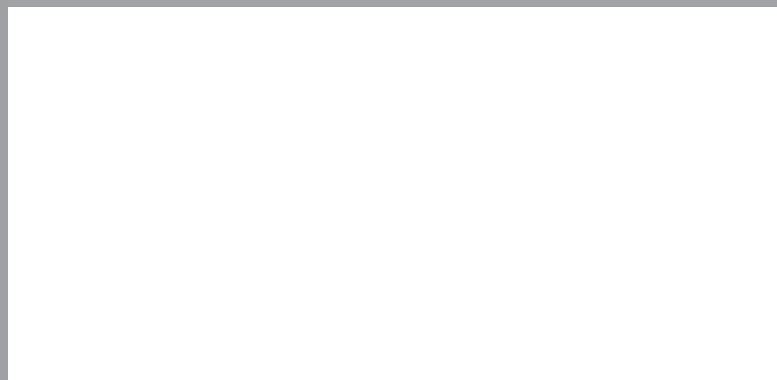

Utility dispensers

Street furniture

KDEP#UEN60CAT10108 - 07/2008

URBACO
AUTOMATIC BOLLARDS

Notes

Urbaco the company

Urbaco is the undisputed market leader for access control systems thanks to its retractable bollards. The company is constantly developing products and services to meet numerous, prestigious orders worldwide. Its cutting-edge technology is quality certified. Besides its products, systems and proposed global solutions, Urbaco, through its network of business partners, is always looking to improve its offer of services (i.e. research and development, after-sales service, maintenance and training) to deserve the trust of its customers.

The complete range of Urbaco products represents the best offer available on the market when it comes to retractable bollards and accessories. This is true since it meets all the needs in terms of management, traffic regulation, safety, but also aesthetics: our product range blends in perfectly with modern requirements. The toughness of the materials we use – cast iron, steel and stainless steel – is a guarantee for even the most frequented of areas.

index

From an aesthetic point of view, the appearance of cast iron products may show some unevenness: this is not a flaw, but rather, a feature of the materials.

The technical specifications are merely indicative and non-binding. For exact dimensions and measurements please refer to our product specs and technical data diagrams which are provided on request.

Urbaco quality

Urbaco's requirements in terms of quality and the expectations of our customers are what make us test and live up to the quality of our products and processes, and their legislative compliance.

Quality is always a priority for Urbaco. To this end, we have initiated an integrated quality and environmental management system.

Urbaco quality

Legislative compliance

Urbaco retractable bollards, comply with French law NFP 98-310. Retractable Energy dispensing units: compliant with 72/73/EEC directive.

Crash test
Urbaco bollards are so sturdy and reliable that they manage to protect access even during attempts at forced penetration.

Product testing
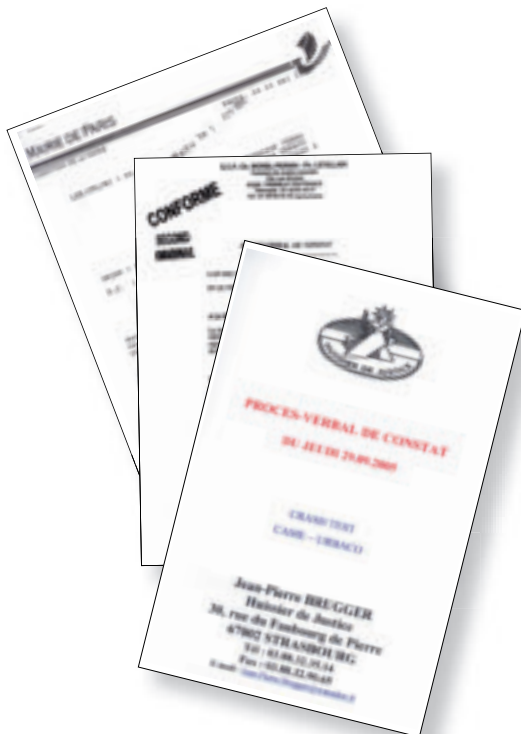
There are numerous tests:
• bollard duration testing (approved by the bailiff). Testing is done on two bollards, continuously for 24 hours, 4,500,000 up and down cycles with no breakdowns or need for parts replacement.
• testing on impact resistance on retractable bollards made by the Street Testing Laboratory for the City of Paris: Urbaco bollards score a resistance coefficient that ranges from 2,500 to 15,000 joules depending on the models.
• testing on impact resistance made in 2005 on Generation 6 automatic retractable bollards. A bollard (with 250 mm diameter, 500 mm height) resists the impact from a 1.2 tonne car travelling at 50 km/h, and a bollard (with 250 mm diameter, 750 mm height) resists the impact of a 2.5 tonne vehicle travelling at 55 km/h.

Retractable Ovalie

Our latest addition is called Ovalie!

This is Urbaco's latest creation: a retractable bollard featuring special, modern design. This product associates Urbaco reliability with design refinement; hardly invasive, it is suited for any urban setting. Ovalie features a diameter of 120 mm and a height of 500 mm; it comes in 4 versions: automatic or mechanical retractable, fixed or removable. This model belongs to the "Generation 6" series and features a electropneumatic power-drive and a Monobloc® structure. All external parts are made of nodular cast iron and have an average thickness of 11 mm. Ovalie: another Urbaco success!

City6

City 6 strengths:
• new aesthetics;
• the ample front panel enables numerous accessories to be integrated: proximity sensors, videos, interphones, displays, printers, coded keypad, traffic light (65 mm diameter), call button;
• reinforced anti-corrosion treatment: thermohardening polyester powder, matte finish;
• vandal-proof lock.

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City3 Stainless

The City3 is also available in stainless steel!
The new City3 is the ideal controller for modern settings. Yet its design is also perfect for the more prestigious historical sites.

Characteristics
- Material: stainless steel 316 L
- Overall dimensions: 150 cm x 32,5 cm
- Door with lock
- Door with lock to access the emergency stop button
- Front panel made of screen printed polycarbonate
- Red and Orange LED traffic lights
- Base made of galvanised steel
- Sound and thermal insulation

Possible command devices
- Coded keypad
- Radio receiver
- Analogue and digital intercom
- Proximity sensor
- Video

Luxor

Luxor is ideal for large-volume private user applications and for public administration settings: business centres, supermarket chains, car dealerships, and historical town centres where elegance cannot be trump public safety and security. In fact, an acoustic warning device notifies that the pneumatic Luxor bollard is moving, to prevent accidental collision with unsuspecting pedestrians and bicycle riders. And in contexts where regulating vehicle flows also means safeguarding the environment to cut back on exhaust fume emissions, Luxor is environmentally friendly! Luxor is loaded with technological features, while providing the customary Urbaco reliability plus and optimal price-quality ratio.

The complete range

Automatic - hydraulic version

Génération 6 series for standard use
Tradition series with illuminated ring
High Security series for optimal protection

Automatic - pneumatic version

Génération 6 series for standard use
Tradition series with illuminated ring
High Security series for optimal protection

Access control system

Indispensable for access controls managed by retractable bollards, our systems are equipped with integrated command devices, electropneumatic power-drive and luminous signalling.

Controller:

City 1* - City 3 - City 5 - City 6 - Technical centres**

Armoured cabinets**

*City1 cannot integrate bollard motoring or management systems
**The technical centres and armoured cabinets do not include luminous signalling
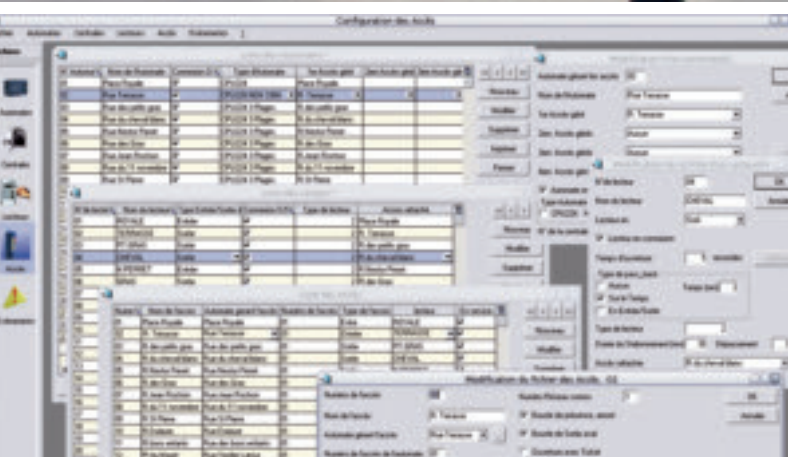
Centralised technical management system

Sygma II: Centralised card management software.

Street furniture

The range of Urbaco outdoor furniture is made up of benches, litter bins, tree grilles, posts, public ashtrays and barriers, all designed to fit in naturally and harmoniously into any urban setting
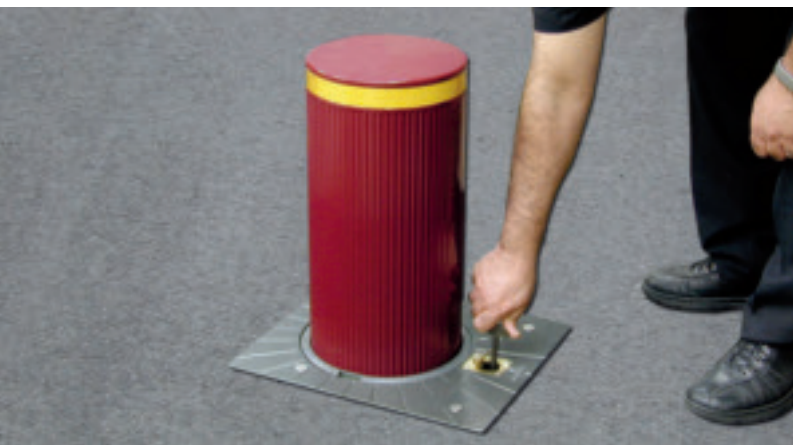
Mechanical retractable bollard

Mechanical retractable bollards are the ideal access management solution in public or private streets and to reserve car parking spaces. They are employed when the situation does not require intensive service. Easy to use, they are released by key and ascend automatically

Removable bollard

Removable bollards are a simple, effective solution when managing access-ways that are only occasionally opened. The design is the same used for retractable, automatic and fixed bollards

Fixed bollards

Fixed bollards enable you to section off a pedestrian area. They come in numerous models, and are easily integrated both in modern as well as classic settings

Energy dispensing units

Available in both the fixed and retractable versions, it dispenses energy or utilities such as power, water, compressed air, and mobile phone services

Non contractual images

For retractable bollards	
Other RAL colours	
TPRALBEX	RAL 4 numbers

Other colours excluding RAL	
TPUGA	Anthracite grey
TPUGR	Steel grey

All our cast iron products undergo a zinc treatment coating. They are painted RAL 7016 structured as a standard (TPUGU).
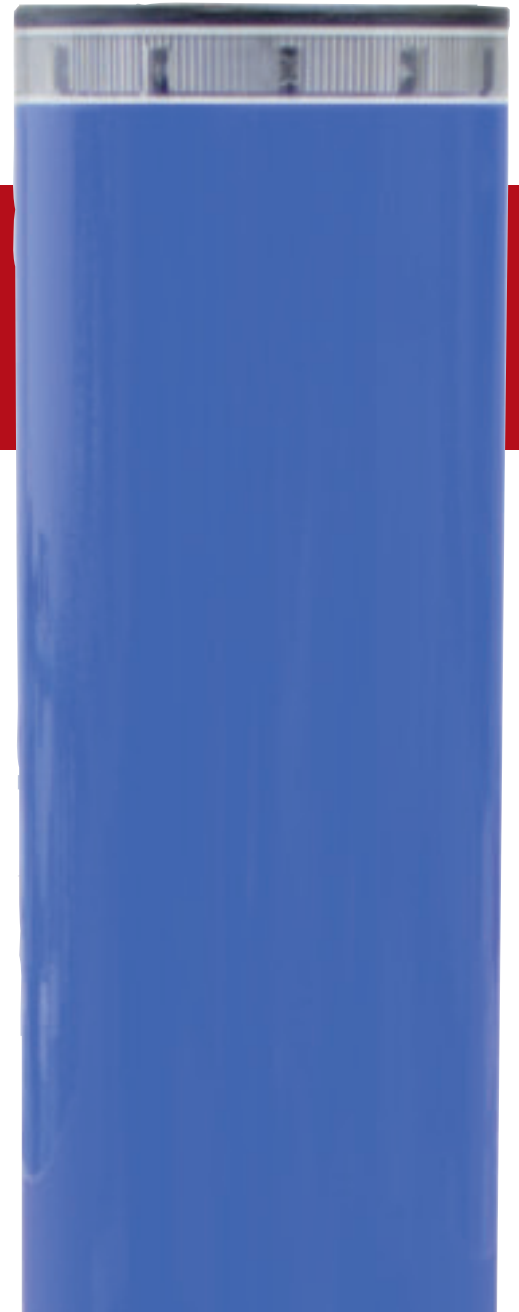
Automatic retractable bollards

Example of an automatic bollard
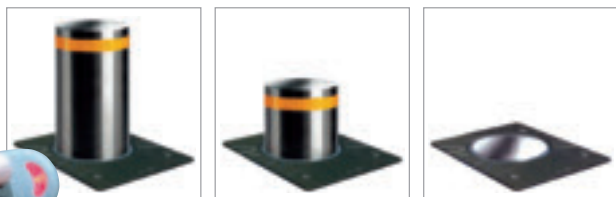
Automatic retractable bollards are made to manage access to both public and private streets. They retract below ground using a remote device (i.e. remote control, proximity card, digital code, etc.) clearing the way for access.

They ascend, either automatically or using a remote control, once a vehicle has driven over and past them.

Automatic and hydraulic power-drive
• **Génération 6** series for standard use
• **Tradition** series with illuminated ring
• **High Security** for optimal protection

Automatic and pneumatic power-drive
• **Génération 6** series for standard use
• **Tradition** series with illuminated ring
• **High Security** for optimal protection

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Génération 6 Automatic retractable bollards

Automatic retractable bollards are made to manage access to both public and private streets. They come in two versions: "BEA" (Automatic Retractable Bollards) and "BEM" (Mechanical Retractable Bollards). The BEA version retracts below ground using a remote control device (i.e. remote control, proximity card, digital code, etc.) clearing the way for access.

Génération 6
Urbaco's sixth generation of retractable bollards are the fruit of over 20 years of experience. These bollards are made up of only three elements: case, cover and bollard head - each being cast into one, single piece, made of nodular cast iron, and free of any parts that could wear down - an Urbaco Monobloc® patent.
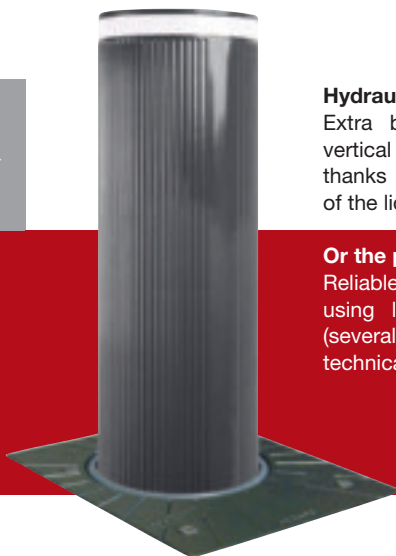
Hydraulic version
Extra boost and high resistance to vertical loads when fully extended thanks to the non-compressing nature of the liquid.

Or the pneumatic version
Reliable, simple and long lasting. Works using low pressure, compressed air (several bollards can be run by a single technical centre).

Compliant with French Law NFP98-310

Example of an automatic bollard

Coloured surface finishing coat
The main standard coating is zinc which provides better adherence for the finishing coat of thermo-hardening polyester powder varnish with a matte finish - the standard colour being RAL 7016 anthracite grey

Warning system
Visual warning device consisting of a white, class II reflective band (the Vendome model uses a yellow band)

Models
In nodular cast iron with an average thickness of 11 mm, for the Châteauneuf model

Bollard head
Cast into a single block, it integrates its own sliding rail and is designed to slide without wearing down. Only minor periodic maintenance and adjustments is required. Made of extremely durable and resistant nodular cast iron

Cover
It helps preserve the bollard, its long cladding distributes the bollard's energy into opposite components, transmitting it to the buried foundation box. A thick plastic ring eases the sliding of the bollard head, thus reducing friction and noise

Case
With a thickness of up to 24 mm, it is fitted with 4 guides and a separate Monobloc bar which holds a pneumatic or hydraulic jack in place. This ensures that the guide rails will not deform

Lost casing
Urbaco's lost casing, made of 1.5 mm thick galvanised, metal sheeting is delivered already folded. This allows you to save space and makes for easier maintenance and stocking. Its easy mounting is indispensable for optimal installation
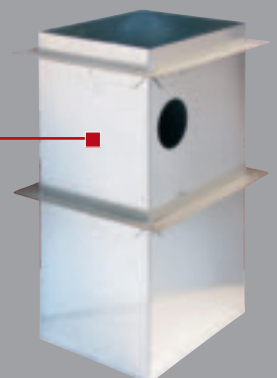
Génération 6: the models

Cylinder			Pneumatic	Hydraulic	Lost casing
Commercial reference					
Diameter	Height from the ground	Weight	Codes	Codes	Codes
250	500	113 kg	BPCLPF50	BHCLPF50	BOCOFF671
250	750	149 kg	BPCLPF75	BHCLPF75	BOCOFF954
200	500	87 kg	BPCLPE50	BHCLPE50	BOCOFE664
200	750	108 kg	BPCLPE75	BHCLPE75	BOCOFE959
120	500	54 kg	BPCLPD50	-	BOCOFD667
120	750	72 kg	BPCLPD75	-	BOCOFD960

Acropole			Pneumatic	Hydraulic	Lost casing
Commercial reference					
Diameter	Height from the ground	Weight	Codes	Codes	Codes
250	500	113 kg	BPACEF50	BHACEF50	BOCOFF671
250	750	149 kg	BPACEF75	BHACEF75	BOCOFF954
200	500	87 kg	BPACEE50	BHACEE50	BOCOFE664
200	750	108 kg	BPACEE75	BHACEE75	BOCOFE959
120	500	54 kg	BPACED50	-	BOCOFD667
120	750	72 kg	BPACED75	-	BOCOFD960

Athéna			Pneumatic	Hydraulic	Lost casing
Commercial reference					
Diameter	Height from the ground	Weight	Codes	Codes	Codes
250	500	113 kg	BPATNF50	BHATNF50	BOCOFF671
250	750	149 kg	BPATNF75	BHATNF75	BOCOFF954
200	500	87 kg	BPATNE50	BHATNE50	BOCOFE664
200	750	108 kg	BPATNE75	BHATNE75	BOCOFE959
120	500	54 kg	BPATND50	-	BOCOFD667
120	750	72 kg	BPATND75	-	BOCOFD960

Chateauneuf			Pneumatic	Hydraulic	Lost casing
Commercial reference					
Diameter	Height from the ground	Weight	Codes	Codes	Codes
250	500	113 kg	BPCHPF50	BHCHPF50	BOCOFF671
250	750	149 kg	BPCHPF75	BHCHPF75	BOCOFF954
200	500	87 kg	BPCHPE50	BHCHPE50	BOCOFE664
200	750	108 kg	BPCHPE75	BHCHPE75	BOCOFE959
120	500	54 kg	BPCHPD50	-	BOCOFD667
120	750	72 kg	BPCHPD75	-	BOCOFD960

*Vendôme			Pneumatic	Hydraulic	Lost casing
Commercial reference					
Diameter	Height from the ground	Weight	Codes	Codes	Codes
250	500	113 kg	BPVDMF50	BHVDMF50	BOCOFF671
250	750	149 kg	BPVDMF75	BHVDMF75	BOCOFF954
200	500	87 kg	BPVDME50	BHVDME50	BOCOFE664
200	750	108 kg	BPVDME75	BHVDME75	BOCOFE959
120	500	54 kg	BPVDMD50	-	BOCOFD667
120	750	72 kg	BPVDMD50	-	BOCOFD960
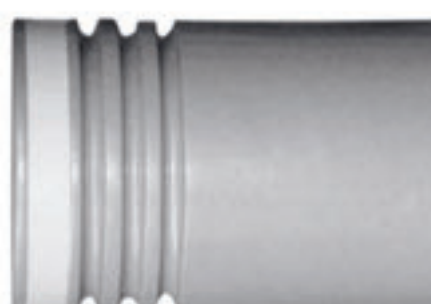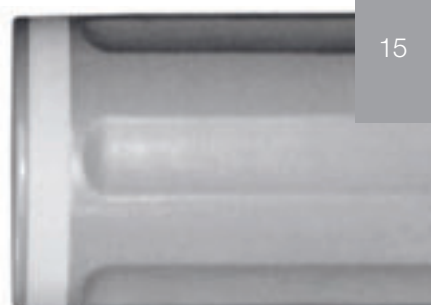
*yellow reflecting bands

Non contractual images

Retractable automatic bollards
Luxor

Luxor is ideal for large-volume private user applications and for public administration settings: business centres, supermarket chains, car dealerships, and historical town centres where elegance cannot elude public safety and security. In fact, an acoustic warning device notifies that the pneumatic Luxor bollard is moving, to prevent accidental collision with unsuspecting pedestrians and bicycle riders. And in contexts where regulating vehicle flows also means safeguarding the environment to cut back on exhaust fume emissions, Luxor is environmentally friendly! Luxor is loaded with technological features, while providing the customary Urbaco reliability plus and optimal price-quality ratio.

Example of an automatic bollard
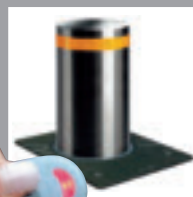
New head design

The head design of the cast iron bollard is conceived to appear aesthetically more pleasing when the bollard is retracted because it integrates perfectly with the road surface

Illuminated ring

The new illuminated ring is made up of 12 highly luminous diodes that constantly warn of the bollard's presence, day or night

Acoustic warning

The acoustic warning ensures safety for pedestrians walking past the bollard's area of operation

Galvanised bollard head

The varnish on the bollard head comes in all RAL hues and the additional treatments ensure exceptional colour adherence even in extreme conditions

Cover made of nodular cast iron

Lost casing

Made of 10/10 galvanised steel sheeting, it enables quick and practical installation thanks to its light weight
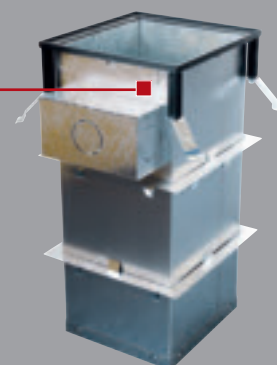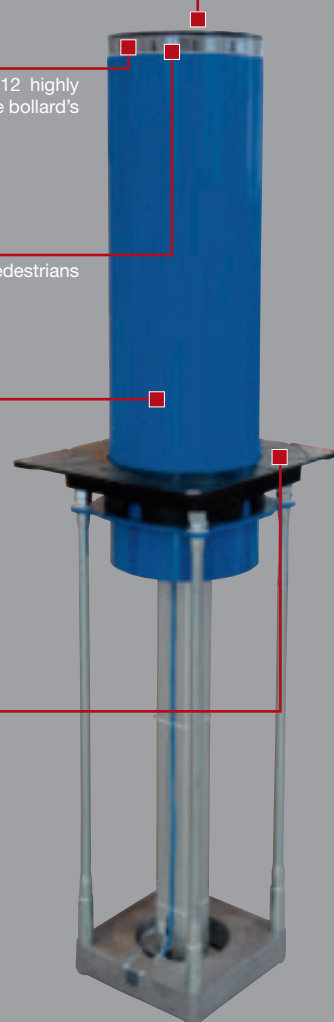
Luxor: the models

Luxor			Pneumatic	Lost casing
Commercial reference				
Diameter	Height from the ground	Weight	Codes	Codes
200	600	68 kg	BPLUXE60	BOCOFE60
270	600	78 kg	BPLUXF60	BOCOFF60
320	600	89 kg	BPLUXG60	BOCOFG60
200	800	76 kg	BPLUXE80	BOCOFE80
270	800	89 kg	BPLUXF80	BOCOFF80
320	800	101 kg	BPLUXG80	BOCOFG80

Luxor: the applications

Non contractual images

Automatic retractable bollards
Tradition fitted with illuminated ring

Tradition, the retractable bollard is used when the highest-level of visibility is needed from a bollard even when conditions are not optimal. Fitted with a red-LED illuminated ring (white LEDs are available on request) which are fully visible at night and during the day. It is ideal for all areas of application with the same common denominator: managing one or more acces ways.

Tradition
The automatic retractable bollards of the Tradition series are made up of four elements; case, cover, rail and bollard head. Each piece is cast into a single block of nodular cast iron - An Urbaco Monobloc patent.

Compliant with French Law NFP98-310

Example of an automatic bollard
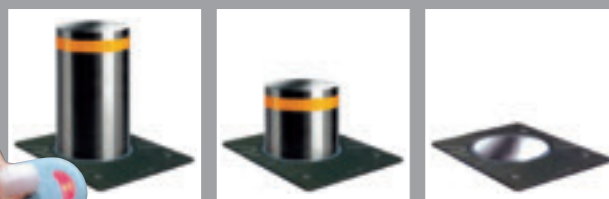
Models

It comes in three different models: the Acropole and Cylinder are made of nodular cast iron. The Vendome model is made of stainless steel

Warning

The standard issue, red-LED illuminated ring is your guarantee for high visibility levels; day and night

Surface finishing and colours

The main outer coating is zinc, which provides better adherence for the coating, along with a matte finish thermo-drying polyester powder varnish, in standard RAL 7016 anthracite

Bollard head

Made of nodular cast iron, it slides along an extremely sturdy rail which is wear and tear resistant, thus cutting out the need for maintenance and repairs

Cover

This ensures long-term protection to the bollard, its long cladding distributes the bollard's energy into opposite components, transmitting it to the buried foundation box. A thick plastic ring eases the sliding of the bollard head, thus reducing friction and noise

Case

With a thickness of up to 24 mm, it is fitted with 4 guides and a separate cross bar which holds a pneumatic or hydraulic jack in place. This ensures that the guide rails will not deform

Electro-hydraulic power-drive

Extra boost and high resistance to vertical loads when fully extended thanks to the non compressing nature of the liquid

Electro-pneumatic power-drive
Reliable, simple and long lasting. Works using low pressure, compressed air (several bollards can be run by a single technical centre)

Lost casing

Urbaco's lost casing, made of 1.5 mm thick galvanised, metal sheeting is delivered already folded. This allows you to save space and makes for easier maintenance and stocking. Its easy mounting is indispensable for optimal installation.
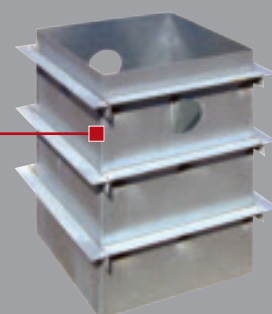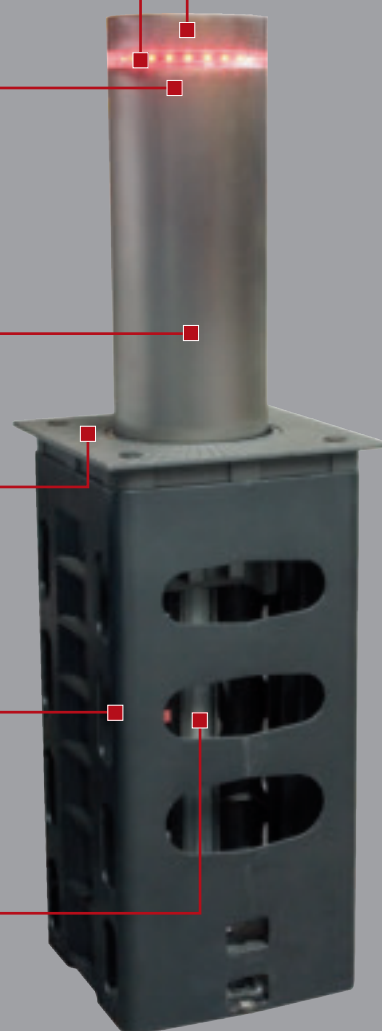
Tradition: the models

Cylinder			Pneumatic	Hydraulic	Lost casing
Commercial reference					
Diameter	Height from the ground	Weight	Codes	Codes	Codes
250	600	200 kg	BPCLPF60CL	BHCLPF60CL	BOCOFF880

Acropole			Pneumatic	Hydraulic	Lost casing
Commercial reference					
Diameter	Height from the ground	Weight	Codes	Codes	Codes
250	600	200 kg	BPACEF60CL	BHACEF60CL	BOCOFF880

Vendôme			Pneumatic	Hydraulic	Lost casing
Commercial reference					
Diameter	Height from the ground	Weight	Codes	Codes	Codes
250	600	200 kg	BPVDMF60ICL	BHVDMF60ICL	BOCOFF880

*Models with height of 500 mm can also be supplied. Ask us!

Tradition: the applications

Non contractual images

Automatic retractable bollards
High security

Engineered to ensure security at strategic access points against 'Ram' impacts, our High Security bollards meet the most stringent requirements in terms of access management and impact resistance.

High Security
Our High Security automatic retractable bollards are made up of four elements: the case, double cover, rail and bollard head. Each piece is cast into single nodular cast iron block - the Urbaco monobloc patent. The double cover increases the impact resistance factor. Over a one-quarter of the bollard's length is clad by the cover.

Compliant with French Law NFP98-310

Example of an automatic bollard
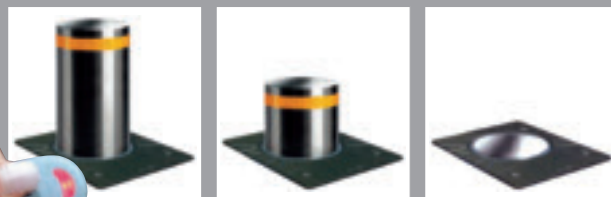
Models
Available in two different models: the Cylinder type steel and the Vendome type steel + stainless steel – starting with a 10 mm tube for the electro-pneumatic versions and a 20 mm tube for the electro-hydraulic versions

Warning system
Visual warning device consisting of class II reflective bands

Surface finishing and colours
(for the Cylinder models)
The main standard coating is zinc which provides better adherence for the finishing coat of thermo-hardening polyester powder varnish with a matte finish – the standard colour being RAL 7016 anthracite grey

Bollard head
Made of 10 to 20 mm thick steel, it provides very high levels of mechanical resistance

Double cover
It helps preserve the bollard, its long cladding distributes the bollard's energy into opposite components, transmitting it to the buried foundation box. A thick plastic ring eases the sliding of the bollard head, thus reducing friction and noise

Case
With a thickness of up to 24 mm, it is fitted with 4 guides and a separate cross bar which holds a pneumatic or hydraulic jack in place. This ensures that the guide rails will not deform

Guide rail
Non-deformable, while ensuring a smooth, wear and tear free guide, which cuts back on maintenance and adjustments

Hydraulic power-drive
Extra boost and high resistance to vertical loads when fully extended thanks to the non-compressing nature of the liquid

Pneumatic power-drive
Reliable, simple and long lasting. Works using low pressure, compressed air (several bollards can be run by a single technical centre)
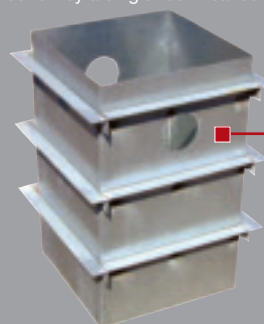
Lost casing
Urbaco's lost casing, made of 1.5 mm thick galvanised, metal sheeting is delivered already folded. This allows you to save space and makes for easier maintenance and stocking. Its easy mounting is indispensable for optimal installation
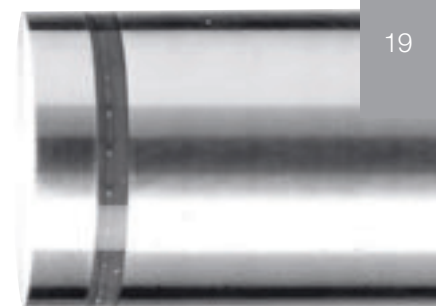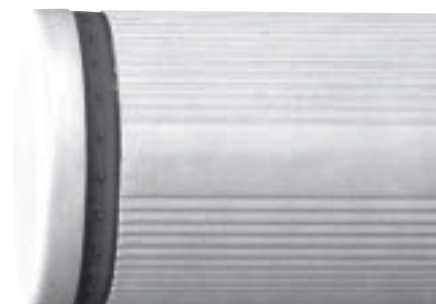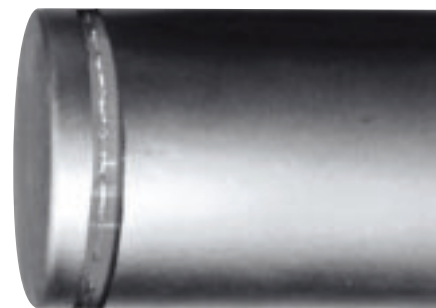
High security: the models

Cylinder				Pneumatic	Hydraulic	Lost casing
Commercial reference						
Diameter	Height from the ground	Weight	Thickness	Codes	Codes	Codes
250	700	261 kg	10	BPCLPF70H*	BHCLPF70H*	BOCOFF1300
250	700	265 kg	20	-	BHCLPF70H2****	BOCOFF1300
250	900	273 kg	10	BPCLPF90H*	BHCLP90H*	BOCOFF1300
250	900	310 kg	20	-	BHCLPF90H2****	BOCOFF1300

Vendôme				Pneumatic	Hydraulic	Lost casing
Commercial reference						
Diameter	Height from the ground	Weight	Thickness	Codes	Codes	Codes
250	700	265 kg	10	BPCLP70HC**	BHCLPF70HC**	BOCOFF1300
250	900	273 kg	10	BPCLPF90HC**	BHCLPF90HC**	BOCOFF1300
250	700	265 kg	20	-	BHCLPF70H2C***	BOCOFE1300
250	900	310 kg	20	-	BHCLPF90H2C***	BOCOFE1300

* H =   High Security (10 mm)
** HC =   High Security cladding in stainless steel (10 mm + 2 mm)
*** H2C =   High Security cladding in stainless steel (20 mm + 2 mm)
**** H2 =   High Security (20 mm)

High security: the applications

The Ovalie automatic retractable bollard

Our new born product is called Ovalie. Ovalie brings a touch of 'modern' to the city! Urbaco's latest creation: carefully designed, modern retractable bollard. This product blends Urbaco's traditional reliability with refined design features. It is minimally invasive, and suited for any urban setting. Its diameter and height are 120mm and 500 mm respectively; it comes in 4 versions: automatic or mechanical retractable, fixed or removable. This model belongs to the "Génération 6" series, and features pneumatic power-drive and Monobloc® structure. All external parts are made of nodular cast iron and have a thickness of 11 mm. Ovalie: another winner from Urbaco!

Case

With a thickness of up to 24 mm, it's equipped with an integrated Monobloc bar which holds in place the pneumatic or hydraulic jack. The parallelism of the guide rails is guaranteed against warping

Surface finishing and colors

The main standard coating is zinc which provides better adherence for the finishing coat of thermo-hardening polyester powder varnish with a matte finish - the standard colour being RAL 7016 anthracite grey

Lost casing

Urbaco's lost casing, made of 1.5 mm thick galvanised, metal sheeting is delivered already folded. This allows you to save space and makes for easier maintenance and stocking. Its easy mounting is indispensable for optimal installation

Complies with French Law NFP98-310

22
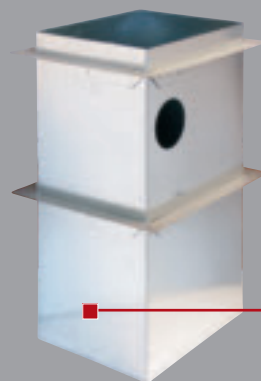
Ovalie model

Ovalie			Pneumatic	Hydraulic	Lost casing
Commercial reference					
Diameter	Height from the ground	Weight	Codes	Codes	Codes
120 x 80	500	52 kg	BPOVLD50	-	BOCOFD667

Automatic retractable bollards
Special products

Perpignan model

A model specially and exclusively made for the city of Perpignan

Cabestan model

WARNING!
This model does not comply with French Law NFP98-310

Grand Lyon model

WARNING!
This model does not comply with French Law NFP98-310

Ask us

Example of automatic bollard

Non contractual images
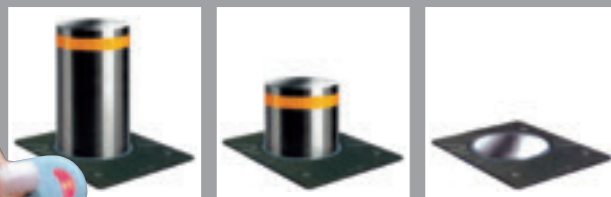
Accessories for pneumatic and hydraulic BEAs (excluding the Luxor range)

Vandal-proof screws
A set of 4 fixing, vandal-proof screws for the cover for:
Tradition bollards **item code BOVISAV01**
Génération 6 bollards **item code BOVISAVG6**
High Security bollard **item code BOVISAV02**
Vandal-proof key:
Tradition and High Security bollards
item code RVISACLE
Génération 6 bollard **item code RVISACLEG6**
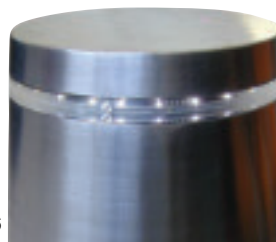
Illuminated ring for Tradition series bollards
White LED illuminated ring for Tradition bollards
item code BOCLB
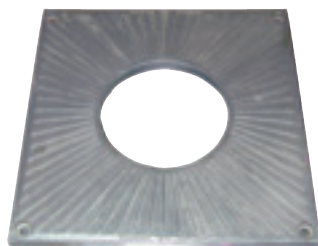
Cover for streets with up to 10% slopes
For the following series:
GÉNÉRATION 6:
D250 - H750 mm
HIGH SECURITY:
H700 and 900 mm
Item code RCOVFRPA
WARNING!
Bollards for streets with slopes are specific products!

Reflective Bands
For Cylinder High Security bollard and older Tradition model.
White, Class II reflective bands
item code BOBRBT

Heating device
Anti-freeze devices (i.e. heaters) are self-adjusting to 60°, however, they must be connected to a power source (see page 48) Heating devices for BEA – 24V, 50 W D 120 and 200 mm :
item code BOCGF50
Heating devices for BEA – 24V, 75W D 250 mm:
item code BOCGF75
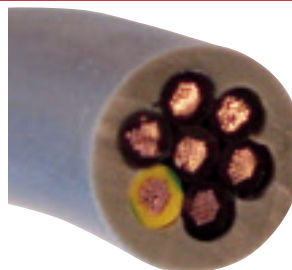
Electrical cables
Crown 7G 50 ML
item code COCBL07050
Crown 7G 100 ML
item code COCBL07100

Specific accessories for pneumatic BEA (excluding Luxor range)

Negative safety
Thanks to this counter-electro-valve, the bollards stays upright in the event of a blackout.
item code BOEVB
Does not work with the U100 card.

Non return valve
This device allows you to increase pressure resistance on the bollard head.
item code BOCLPAR

Pneumatic flexibles
50 m Flexible crown
item code COFXA050
100 m Flexible crown
item code COFXA100

Connector kit for 1 BEA, G6 or Tradition. Various lengths available
item code KITBEA25
KITBEA50 / KITBEA100
(it includes: flexible+ cable + 2 L-joints + 1 T-joint)

Hydraulic BEA-specific accessories

Negative safety
Thanks to this counter-electro-valve, the bollards stays upright in the event of a blackout.
item code COEVGRHYD
Exclusively for hydraulic installations and power drives

Hydraulic flexibles and joints
item code:
COFLXL10 Length 10 m
COFLXL15 Length 15 m
COFLXL20 Length 20 m
COFLXL25 Length 25 m
Connector kit for two bollards
item code COMCT2SH

BEA Luxor specific accessories

RAL varnish to be defined for BEA Luxor
item code TPRALBEX-LUX

Connector kit 1 BEA Luxor: 25M Flexible + 25M Cable + 2 T-joints + 4 L-joints
item code KITBEA-LUX
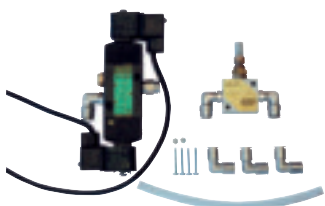
Negative safety Elctro-valve for BEA Luxor
item code BOEVB-LUX
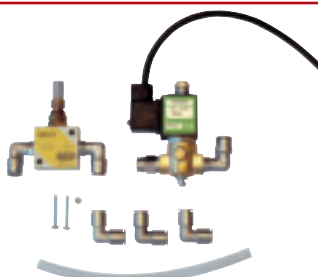
Positive safety Electrovalve For BEA Luxor
item code BOEVP-LUX

Non contractual images

Technical centre management system

Urbaco's technical centres are made for automatic bollards and afford complete and functional installation, in terms of the originality of their components and the maximum extension potential of their devices. In fact, the electronics are different and specific, depending on whether the bollards are driven hydraulically or pneumatically. The centres also afford both management and control of several bollards, either simultaneously or singularly with all of the necessary control and safety devices.

Access control systems

Access control system for intensive use

A controlled access way is usually made up of:

• one or more automatic retractable bollards which, installed on the vehicle path, allow or restrict access;

• A management system (Micro technical centre for intensive use, City 3 or City 5 controller) that receives instructions from the user (via transmitter, proximity card, button, coded keypad), to manage operation of the access way (a software handles the opening or closing command depending on the programming) and provides the energy needed to operate the bollards (i.e. pneumatic compressor or hydraulic unit). To this equipment you can also add several safety loops (for electro-magnetic detection) which, placed under the road surface, on either side of the bollards, tell whether a vehicle is present or not. There are two or three of these loops depending on the functioning logic of the access way: controlled entrance, controlled or automatic exit. A loop can serve as either a vehicle detector when said vehicle is positioned over it (and allows a transmitter, proximity card or other to clear the vehicle for entrance, or as a safety loop for vehicles regardless of the direction of travel (the access way stays open, the bollard is in the down position until the loop is disengaged), or as both functions.

Access way management:
the applications

Functioning logics
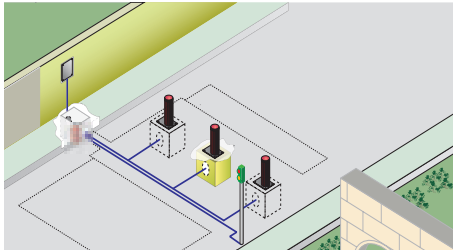
1 Controlled entrances or exits: two loops, one or more bollards that work simultaneously, one road, one passage way (permitting entrance but no exit). The vehicle engages the external (vehicle present/safety), the user commands the retraction of the bollard (via transmitter, proximity card, button, or coded keypad), the vehicle travels beyond the bollard and the internal loop (safety). The bollard surfaces automatically after the vehicle has passed over the internal safety loop.
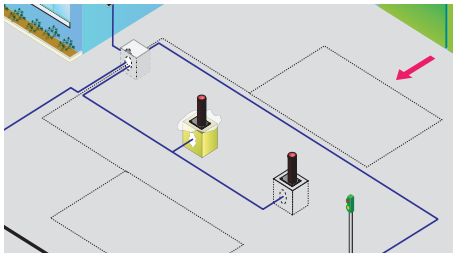
2 Controlled entrance and exit ways: two loops, one or more bollards that work simultaneously, one road, two directions of travel for both the entering and exiting vehicle. The vehicle stops on top of either the internal or external loop (presence/safety), the user commands the bollard's retraction (via transmitter, proximity card, button, coded keypad etc….). The vehicle travels beyond the bollard and the internal or external loop (presence and safety). The bollard surfaces automatically when the vehicle has travelled beyond the outer safety loop.
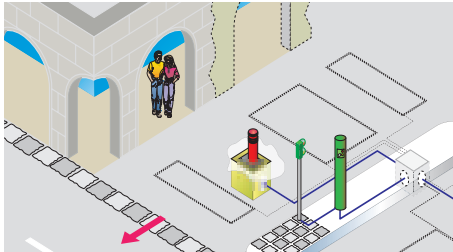
3 Automatic exit: three loops, one or more bollards that work simultaneously, one one-way road. The vehicle stops over the internal presence detector loop, and then on the internal safety loop; when it is straddling the two loops, the bollard automatically retracts; the vehicle travels beyond the bollard and the external safety loop. The bollard automatically surfaces when the vehicle has driven over the external safety loop.
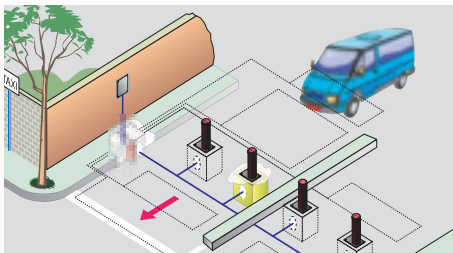
4 Controlled entrance and automatic exit: three loops, one or more bollards that work simultaneously, one road with two directions of travel. The entering vehicle stops on the outer loop (presence and safety), the user commands the bollard to retract (via transmitter, proximity card, button, coded keypad), the vehicle drives beyond the bollard and internal safety loop. The bollard automatically re-surfaces once the vehicle has passed to internal safety loop. The vehicle stops on the internal presence loop, and then on the internal safety loop; when it is straddling the two loops, the bollard automatically retracts, the vehicle drives past the bollard and the external safety loop. The bollard automatically re-surfaces when the bollard has driven past the external safety loop.
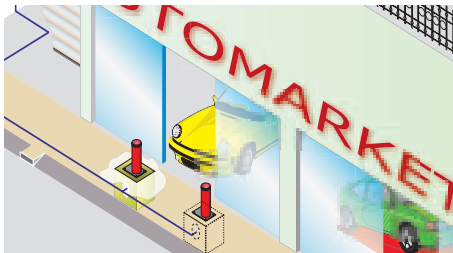
5 Commanded entrance and/or exit: configuration without safety loop (basic or standard micro technical centre). The vehicle stops in front of the bollard, the user commands the bollard to retract, the vehicle drives past the bollard which stays in the retracted position until the user commands it to re-surface.
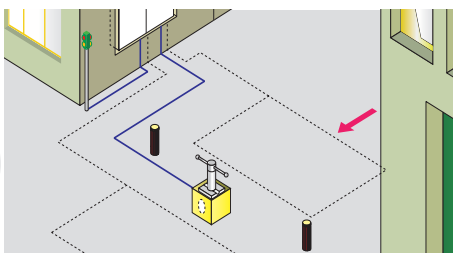
6 Commanded entrance and/or exit: configuration with safety loop (Standard micro technical centre). The vehicle stops in front of the bollard, the user commands the bollard to retract, the vehicle drives past the safety loop and bollard, then commands the bollard to re-surface. Thanks to the safety loop, the bollard cannot re-surface even if the user commands it to do so as long as the vehicle is still stopped above the bollard.

U200 Pneumatic
micro technical centre

A management system that receives instructions from the user. The command devices may be either integrated or remote through a control station: City 0, City 1. The system can manage two access-ways (a software program manages the opening and closing command depending on the programming) and provides the power needed to operate the bollards (pneumatic compressor).
INTENSIVE USE.

Body of technical station

Protection rating:	IP44
Power supply:	230V mono, 16° + ground
Current draw:	2.6 A
Power:	500 W
Duty cycle:	100%
Temperature:	-10°C + 55°C
Ventilation:	forced 230V
Steel plate thickness:	1,5 mm
Dimensions:	600 mm x 400 mm x 250 mm
Insulation:	Class II, sound and thermal
Closing:	standard key lock
Wall fixing:	box supplied with a pair of bolts for wall mounting
Standard colours:	RAL 7035 - Light Grey

Internal devices

U200 Card
- manages Urbaco endstops,
- manages magnetic coils,
- monitors the compressor,
- manages dry-contact command devices.
Bollard heating device

Intensive micro-compressor

For intensive and maintenance free use electro-pneumatic power-drive

MCT (without command device)	Codes
One access-way, U200 card, without detector	CC1U200P

Functioning logics (with detector)	Codes
Controlled entrances or exits	COU200EOSC
Controlled entrances and exits	COU200ECSC
Controlled entrance and automatic exit	COU200ECSA
Automatic exit	COU200SA

Integrated command devices	Codes
AF43SR integrated radio receiver (unlimited number of transmitter)	COAF43S
AF43SR integrated radio receiver (rolling code 25 transmitters)	COAF43SR
RE432 integrated radio receiver	CORE432
RBE4RC integrated radio receiver	CORBE4RC
U200 weekly programmable clock	COHRLHCU2

OPTION	Codes
Second access-way has no command devices for U200 card	COU2002A
Air supply - 5 litres	CORVAA5

LOGO! Pneumatic micro technical centre

The LOGO! pneumatic micro technical centre for intensive use is a management system that receives user instructions. Command devices can be integrated either remotely or from a control station: such as City 0 , City 1: the system can handle the operation on one access-way (a software program manages the opening or closing command depending on the programming) and supplies the energy needed to operate the bollards (pneumatic compressor).
INTENSIVE USE.

Body of technical station

Protection rating:	IP44
Power supply:	230V mono, 16 A + ground
Current draw:	2,6 A
Power:	500 W
Duty cycle:	100%
Temperature:	-10°C + 55°C
Ventilation:	forced 230V
Steel plate thickness:	1,5 mm
Dimensions:	600 mm x 400 mm x 250 mm
Insulation:	Class II, sound and thermal
Closing:	standard key lock
Wall fixing:	box supplied with a pair of bolts for wall mounting
Standard colours:	RAL 7035 - Light Grey

Internal devices

LOGO! software, manufacturer's programming
- manages Urbaco endstops,
- manages magnetic coils,
- manages the compressor,
- manages dry-contact command devices

Intensive micro-processor

For intensive use, maintenance-free electro-pneumatic power-drive

MTC LOGO! (without command device)	Codes
A software LOGO! access-way (without detection)	CC10000P

Functioning logics (with detection)	Codes
Controlled entrance or exit	COLOGOEOSC
Controlled entrance and exit	COLOGOECSC
Controlled entrance and automatic exit	COLOGOECSA
Automatic exit	COLOGOSA
LOGO! commanded entrance and exit	COLOGOESCDE

Integrated command devices	Codes
RE432 Radio receiver	CORE432
RBE4RC integrated radio receiver	CORBE4RC
One-channel LOGO! weekly programmable clock	COHRLH

Non contractual images

LOGO! Hydraulic micro technical centre

A management system that gets its instructions from the user. The command devices can be either integrated or remote using a control unit such as: City 0, City 1. The system manages the functioning of one access-way (a software program commands the opening or closing depending on the programming) and supplies the power needed to operate the bollards (hydraulic unit).
INTENSIVE USE.

Possible number of bollards:
One access-way: 1 or 2 bollards (excluding High Security)

MTC LOGO! hydraulic (without command device)	Codes
A LOGO! access without detection	CC20000H

Functioning logic (with detection)	Codes
Controlled entrance or exit	COLOGOEOSC
Controlled entrance and exit	COLOGOECSC
Controlled entrance and automatic exit	COLOGOECSA
Automatic exit	COLOGOSA

Body of technical station

Protection rating:	IP44
Power supply:	230 V mono, 16 A + ground
Current draw:	2,6 A
Power:	500 W
Duty cycle:	100%
Temperature:	-10°C + 55°C
Ventilation:	forced 230V
Steel plate thickness:	1,5 mm
Dimensions:	600 mm x 600 mm x 250 mm
Insulation:	Class II, sound and thermal
Closing:	standard key lock
Wall fixing:	box supplied with a pair of bolts for wall mounting
Standard colours:	RAL 7035 - Light Grey

Internal devices

LOGO! software, manufacturer's programming
- manages Urbaco endstops,
- manages magnetic coils,
- manages the compressor,
- manages dry-contact command devices
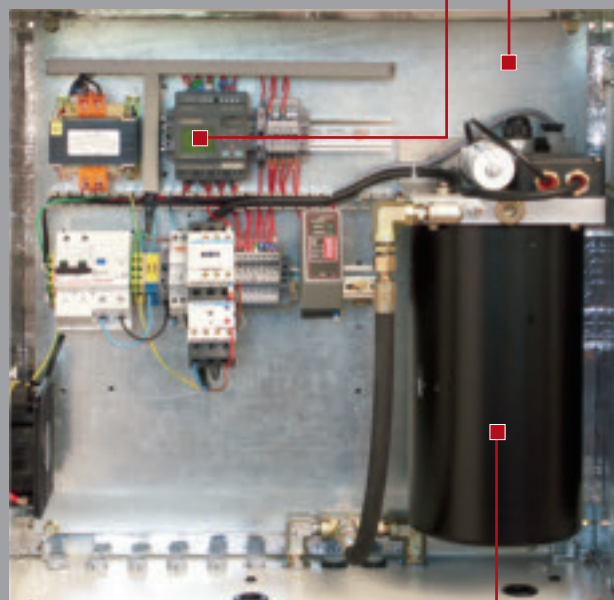
Hydraulic unit

For intensive use, 60-bar, electro-hydraulic power-drive.
*photograph of the micro technical centre with COMCT2SH option

Integrated command devices	Codes
RE432 integrated radio receiver	CORE432
RBE4RC integrated radio receiver	CORBE4RC
Weekly programmable clock	COHRLH

Luxor technical centre: "Standard" and "Plus"

Currently **two models** are available:
Standard configuration: basic
Plus configuration: like Standard plus acoustic insulation

The Luxor bollard is engineered to allow it to be connected in Standard or Plus configuration with the new Urbaco technical centres, which are specifically for pneumatic retractable bollards. Entirely polyvalent, they allow management of different installation configurations. They are protected by the new, anti-rust, varnished steel cabinet which is suitable for all climate conditions.

Control panel

DIN bracket for terminals

Intensive use compressor

Air supply

Support for fixing to ground

Solution with sound and thermal insulation on request

The standard issue for the new centres includes:
- New 800 x 600 x 300 mm varnished steel cabinet
- U200 control board
- Intensive use compressor
- Certified 10 litre air supply with safety valve
- Pre-fitted to take coil detectors
- Central pre-cabling
- Built-in radio receiver
- Pressure switch, safety valve and gauge
- 2 bi-channel transmitters
- Endstop management
- Positional traffic light management

These following additional accessories complete the standard issue:
- Automatic condensation discharge valve
- Additional card for controlling a supplementary access-way
  (up to three access-ways for each Plus station)
- magnetic coils
- Thermostat and heating device
- Ground fixing base
- Cooling kit

Management system	Codes
Standard technical centre	CC6U200PRR
CT Plus (sound proofed)	CC6U200PRS

Non contractual images

Specific
hydraulic centre

INTENSIVE USE

The specific centre is a system which allows to put together the control panel and the power-drive system made up of a high-pressure hydraulic unit. This system perfectly meets high security needs. It can include the radio receiving system or function with a remote access control. The armoured cabinet can handle several access-ways depending on the type of configuration requested by client.

After careful project research is carried out, installation of the following takes place. Electric safety devices, manufacturer's programmable software, availability of hydraulic units (from one to three).

Hydraulic unit capacity data sheet				
	Number of Generation 6 bollards		Number of High Security bollards	
Height in mm	Diameter 200 mm	Diameter 250 mm	Diameter 250 mm / >< 10 mm	Diameter 250 mm / >< 20 mm
H 500	2	2	N/A	N/A
H 700	N/A	N/A	1	1
H 750	2	2	N/A	N/A
H 900	N/A	N/A	1	1

Specific pneumatic centre

INTENSIVE USE

The specific centre is a system which allows to put together the control panel and the power-drive system made up of a high-pressure hydraulic unit. This system is perfect when security is the issue. It can include the radio receiving system or function with a remote access control. The armoured cabinet can handle up to 6 access-ways depending on the type of configuration requested by client.

After careful project research is carried out, installation of the following takes place. Electric safety devices, manufacturer's programmable software, 15 to 50 litres of air supply for the pneumatic version.
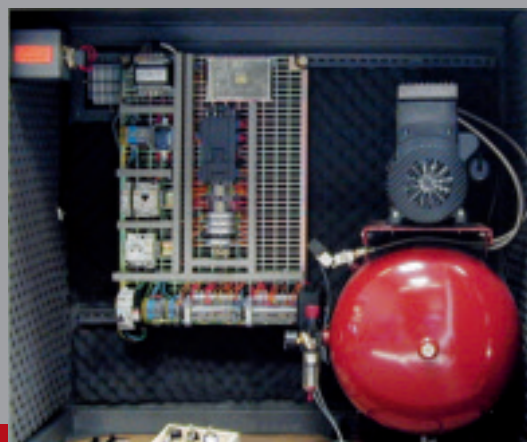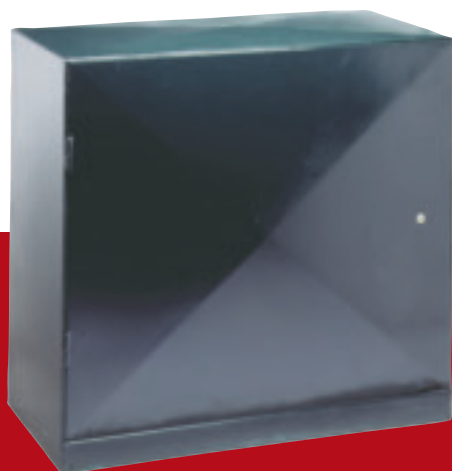
Maximum capacity of the compressor 15 L			
	Number of Generation 6 bollards		Number of High Security bollards
	Diameter 120 mm	Diameter 200 mm	Diameter 250 mm	Diameter 250 mm / Thickness 10 mm
H 500	15	10	6	-
H 700	-	-	-	1
H 750	12	6	4	-
H 900	-	-	-	1

Maximum capacity of the compressor 50 L			
	Number of Generation 6 bollards		Number of High Security bollards
	Diameter 120 mm	Diameter 200 mm	Diameter 250 mm	Diameter 250 mm / Thickness 10 mm
H 500	25	15	10	-
H 700	-	-	-	2
H 750	18	10	7	-
H 900	-	-	-	2
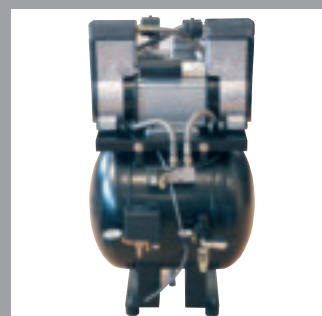
*Capacity tested with 25 metres of flexible per bollard

Non contractual images

For City control stations	
Other RAL colours	
TPUC	RAL 4 numbers

Other colours excluding RAL	
TPUGA	Dark grey
TPUGR	Steel grey

Management systems controllers

Urbaco controllers are designed for automatic bollards and allow for complete and functional installations to be realised; this is true in terms of potential and maximum extension of their devices. The electronics are in fact different and specific depending on whether you are dealing with pneumatic or hydraulic bollards. The controllers allow you to manage and operate several bollards simultaneously or singularly and are fitted to be integrated with all the necessary extensions in terms of control and safety. They integrate perfectly with urban settings thanks to the variety of models on offers.

Controller City 6

The City 6 controller is a management system that gets its instructions from the user (via transmitter, proximity card, button, coded keypad etc…), to manage the functioning of one or two access-ways (a software program handles the opening or closing command depending on how it is programmed) and provides the power needed to operate the bollards (pneumatic compressor or hydraulic unit). The strong points of City 6.

Standard:
- wide customisable front piece can be integrated with numerous accessory devices: proximity readers, video, interphone, display, printer, coded keypad, traffic lights (diameter 65 mm), calling button…; - new design; - reinforced rust-proof treatment; - electro-galvanised and polyester powder finish: vandal-proof lock.

Optional:
- supplementary modules, with 360° orientation (option) maximum 2; - increased signalling with a 200 mm diameter traffic light or 2 100 mm diameter traffic lights (optional).

Technical features
Power supply:	230 V mono 16 A + ground
Duty cycle:	100%
Temperature:	-10°C + 55°C
Ventilation:	forced 24 V

Approximate overall dimensions
Steel thickness:	5,5 mm
Standard height without options:	1860 mm
Height of supplementary module:	420 mm
Diameter:	325 mm
Standard colours:	gray RAL 7016

Standard version (without supplementary modules): the lower part of the City 6 body is fitted with: a hinged door with lock, a door with lock to access the emergency button, a trap door with lock to access the printer paper, a broad front piece made of silk-screened polycarbonate, with aluminium counterface, red and orange led traffic lights, diameter 65 mm, special opening keys, sound and thermal insulation. The high part is made up of a removable "hat" which can be oriented 360°.

Upper Module
of the City 6 with its contemporary design, detachable from the inside of the control unit

Supplementary units
can be oriented 360°, and allow for improved signalling and easier to use access. Available in the following versions: 200 mm ø red led traffic light, bi-colour red/orange led 100 mm ø traffic light and neutral front end

Broad front piece
customisable, can be integrated with a high number of accessories: proximity card readers, videos, interphones, displays, printers, coded keypads, bicolour 65 mm ø traffic lights, call button, delivery button…

Lateral printer
door to replace thermal paper roll

"Technical" door
with special anti-vandal hinges, made up of a door for emergency stop with square firefighter lock and emergency button

Internal devices
Pneumatic version:
- LOGO! software manufacturer's programming or U200* card
- Micro-compressor with minimum maintenance for intensive use
- Electric safety devices
- Emergency buttons
Hydraulic version:
- LOGO! software manufacturer's programming
- Hydraulic unit
- Electric safety devices
- Emergency buttons

*The system featuring the U200 card allows:
- management of Urbaco endstops
- management of magnetic coils
- management of dry-contact command devices
- management of negative safety with counter-electrovalve

Foundation base
in galvanised steel for City 6 controller
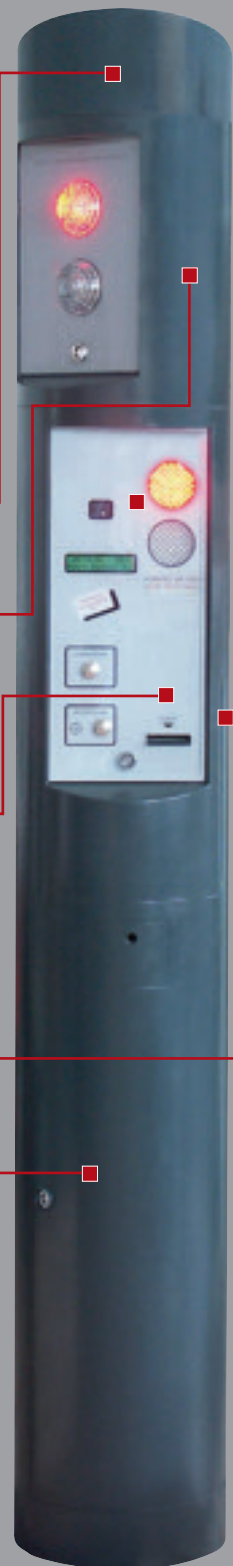
CITY 6 Standard pneumatic (without command device)	Codes
A LOGO! access-way software (without detection)	C6S10000P
An AT224 access-way software (without detection)	C6S10000PS
A LOGO! access-way without detection for the U200 card	C6S1U200P

CITY 6 hydraulic standard (without command device)	Codes
A LOGO! access-way software	C6S1000H1
A LOGO! access-way software without Gamma G6 detection	C6S1000H2

Functioning logics for LOGO! (with detection)	Codes
Controlled entrance or exit	COLOGOEOSC
Controlled entrance and exit	COLOGOECSC
Automatic controlled entrance and exit	COLOGOECSA
Automatic exit	COLOGOSA
Controlled entrance and exit without detection	COLOGOESCDE

Functioning logics for the U200 (with detection)	Codes
Controlled entrance or exit	COU200EOSC
Controlled exit and entrance	COU200ECSC
Automatic controlled entrance and exit	COU200ECSA
Automatic exit	COU200SA

Built-in command devices	Codes
AF43S built-in radio receiver (only with U200 card)	COAF43S
AF43SR built-in radio receiver (only with U200 card)	COAF43SR
AF40 built-in radio receiver (only with U200 card)	COAF40
RE432 built-in radio receiver	CORE432
RBE4RC built-in radio receiver	CORBE4RC
Built in S6000 coded keypad + S0001 one-channel card	COS6000
TSP01 built-in reader for 250 proximity cards	COTSP01
Built-in reader for 500 proximity cards	CORBM21
Built-in reader for 6,000 proximity cards	COLEC6000
LOGO! Weekly programmable clock Weekly programmable clock for the AT224 Weekly programmable clock for the U200	COHRLH CORLHCU2

Communication devices	Codes
Analogue interphone maximum 300 m distance from control post	COINT
Digital interphone	Call us
Printer (only with proximity card reader)	COLEC6IMP

OPTION	Codes
Second access-way without command devices for the U200 card	COU2002A
Supplementary module of 2 Ø 65 mm traffic lights Supplementary module of 2 Ø 100 mm traffic lights	COC6M2 COC6M3
Supplementary module of 1 200 mm diameter traffic light	COC6M1

Controllers: modules and applications

Supplementary modules (in terms of height) can be oriented 360°: increased signalling with a highly-luminous LED traffic light with 200 mm diameter

Supplementary modules (in terms of height) can be oriented 360° provide increased signalling with two LED, 100 mm diameter traffic lights

Non contractual images

Controller City 3

The City 3 series

is a management system that gets its instructions from the user (via transmitter, proximity card, button, coded keypad), for managing the functioning of one or more access-ways (a software program handles the opening and closing depending on how it's programmed) and supplies the power needed to operate the bollards.

Technical features

Power supply:	230 V mono 16 A + ground
Current draw:	3 A
Power:	about 500 W
Duty cycle:	100%
Temperature:	-10°C + 55°C
Ventilation:	forced 24 V
Standard colours:	7016 RAL Grey

Approximate overall dimensions

Steel thickness:	5,5 mm
Standard height:	1500 mm
Diameter:	325 mm

A hinged door, a small door with lock to access the emergency button, a broad front piece made of silk-screened polycarbonate, with aluminium counterface, red and orange LED traffic lights, 65 mm diameter, special opening keys, acoustic and thermal insulation

Customisable front piece

Customisable, can be integrated with a high number of accessories: proximity card readers, videos, interphones, displays, printers, coded keypads, bicoloured 65 mm ø traffic lights, call button

With special anti-vandal hinges

made up of a door for emergency stop with square firefighter lock and emergency button

"Technical" door

with special anti-vandal lock

Internal devices
Pneumatic version:
- LOGO! Manufacturer's programmed software or U200* card
- micro-compressor with minimum maintenance for intensive use
- electric safety devices
- emergency button

Hydraulic version:
- LOGO! Manufacturer's programmed software
- hydraulic unit
- electric safety devices
- emergency button

*The system featuring the U200 card allows:
- management of Urbaco endstops
- management of magnetic coils
- monitoring of the compressor
- management of dry-contact command devices
- management of negative safety with counter-electrovalve

Foundation base

Made of galvanised steel for City 3 controller

City 3 pneumatic standard (without command device)	Codes
A LOGO! access-way software (without detection)	C3S10000P
An access-way software without detection for the U200 card	C3S1U200P
AT224 access-way	C3S10000PS

CITY 3 Hydraulic standard (without command device)	Codes
A LOGO! access-way software (without detection)	C3S10000H

Functioning logics for LOGO! (with detection)	Codes
Controlled entrance or exit	COLOGOEOSC
Controlled entrance and exit	COLOGOECSC
Controlled entrance and automatic exit	COLOGOECSA
Automatic exit	COLOGOSA
Controlled entrance and exit without detection	COLOGOESCDE

Functioning logics for the U200 (with detection)	Codes
Controlled entrance or exit	COU200EOSC
Controlled entrance and exit	COU200ECSC
Controlled entrance and automatic exit	COU200ECSA
Automatic exit	COU200SA

*City 3 Stainless is also available in the double front piece version. Ask us.

Built-in command devices	Codes
AF43S built-in radio receiver (only with U200 card)	COAF43S
AF43SR built-in radio receiver (only with U200 card)	COAF43SR
COAF40 radio receiver (only with U200 card)	COAF40
RE432 built-in radio receiver	CORE432
RBE4RC built-in radio receiver	CORBE4RC
S6000 coded keypad + S0001 built-in mono-channel card	COS6000
Built-in TSP01 reader for 250 proximity cards	COTSP01
Built-in reader for 500 proximity cards	CORBM21
Built-in reader for 6000 proximity cards	COLEC6000
LOGO! Weekly programmable clock AT224 weekly programmable clock	COHRLH
U200 weekly programmable clock	COHRLHCU2

Communication devices	Codes
Analogue interphone max. distance from control post	COINT
Digital intercom	Call us

OPTIONS	Codes
Second access-way without command devices for U200 card	COU2002A

City 3: the applications

Non contractual images

City 3 Stainless Controller

Technical features

Power supply:	230 V mono 16 A + ground
Current draw:	3 A
Power:	about 500 W
Duty cycle:	100%
Temperature:	-10°C + 55°C
Ventilation:	forced 24 V

Approximate overall dimensions

Material:	Stainless steel 316L
Standard height:	1520 mm
Diameter:	325 mm
Thickness:	4 mm

The City 3 Stainless controller
is a management system that gets its instructions from the user (via transmitter, proximity card, button, coded keypad), to manage the functioning of one or more access-ways (a software program handles the opening or closing order depending on how it's programmed) and supplies the power need to operate the bollards (pneumatic compressor or hydraulic unit).

A door with lock, a small door with lock to access the emergency button, a 10 mm silk-screened, polycarbonate front piece, with aluminium counterface, orange and red LED traffic lights, with a 65 mm diameter, special opening keys, and acoustic and thermal insulation

Customisable front piece

can be integrated with a high number of accessories: proximity readers, interphone, coded keypad, bi-colour ø 65 mm traffic lights, call button…

Door for emergency

stop with square firefighter lock and emergency button

"Technical" door

with special anti-vandal lock

Internal devices
Pneumatic version:
- LOGO! manufacturer's programming software or U200 card*
- micro-processor with minimum maintenance for intensive use
- electric safety devices
- emergency buttons

Hydraulic version:
- LOGO! manufacturer's programming software
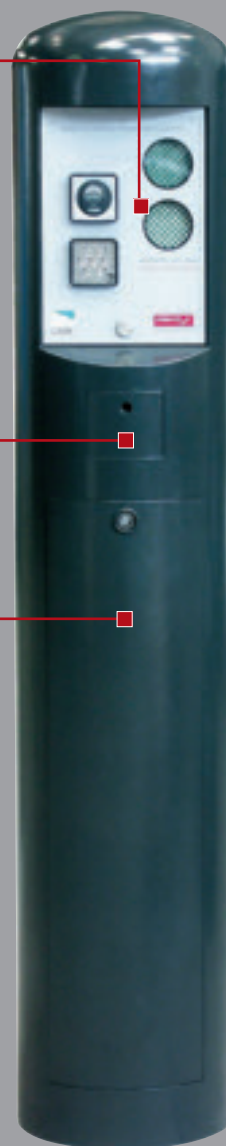- hydraulic unit
- electric safety devices
- emergency button

*The system featuring the U200 card allows:
- management of Urbaco endstops
- management of magnetic coils
- monitoring of the compressor
- management of dry dry-contact command devices
- management of negative safety with counter-electrovalve

Foundation base

Made of galvanised steel for City 3 controller
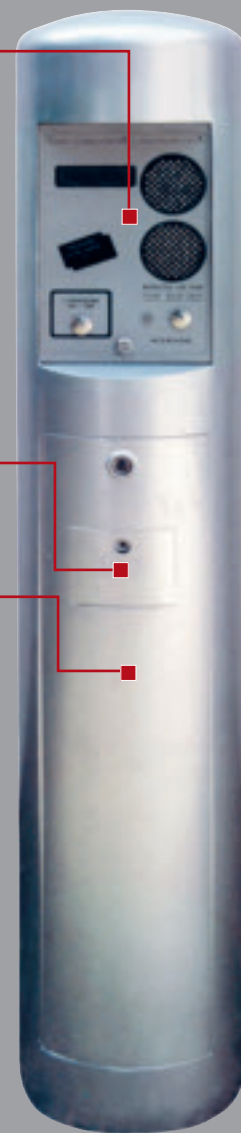
City 3 Stainless hydraulic (without command device)	Codes
A LOGO! software access-way (without detection)	C3S10000HI Call us

City 3 Stainless pneumatic (without command device)	Codes
A LOGO! software access-way (without detection)	C3S10000PI
A software access-way without detection for the U200 card	C3S1U200PI

Functioning logics for the LOGO! (with detection)	Codes
Controlled entrance or exit	COLOGOEOSC
Controlled entrance and exit	COLOGOECSC
Controlled entrance and automatic exit	COLOGOECSA
Automatic exit	COLOGOSA
Controlled entrance and exit without detection	COLOGOESCDE

Functioning logics for the U200 (with detection)	Codes
Controlled entrance or exit	COU200EOSC
Controlled entrance and exit	COU200ECSC
Controlled entrance and automatic exit	COU200ECSA
Automatic exit	COU200SA

*The City 3 Stainless is also available in the double front-piece version. Ask us.

Built-in command devices	Codes
AF43S built-in radio receiver (only with U200 card)	COAF43S
AF43SR built-in radio receiver (only with U200 card)	COAF43SR
AF40 built-in radio receiver (only with U200 card)	COAF40
RE432 built-in radio receiver	CORE432
RBE4RC built-in radio receiver	CORBE4RC
S6000 coded keypad + S0001 built-in mono-channel card	COS6000
TSP01 built-in reader for 250 proximity cards	COTSP01
Built-in reader for 500 proximity cards	CORBM21
Built-in reader for 6000 proximity cards	COLEC6000
LOGO! Weekly programmable clock AT224 weekly programmable clock	COHRLH
U200 weekly programmable clock	COHRLHCU2

Communication devices	Codes
Analogue interphone max. distance from control post	COINT
Digital intercom	Call us

OPTIONS	Codes
Second access-way without command devices for the U200 card	COU2002A

City 3 Stainless: the applications

Non contractual images

City 5
Controller

The City 5 controller
is a management system that gets its instructions from the user (via transmitter, proximity card, button, coded keypad), to manage the functioning of one or more access-way (a software program handles the opening or closing order depending on how it's programmed) and supplies the power need to operate the bollards (pneumatic compressor or hydraulic unit).

City 5 'Drive-in'

City 5 'Armoire'

City 5 'Piétons'

Technical features
Power supply: 230 V mono 16 A + ground
Duty cycle: 100%
Temperature: -10°C + 55°C
Ventilation: forced 24 V

Approximate overall dimensions:
Standard height without options: 1400 mm (Drive-in version)
Dimensions: 470 x 330 mm
Thickness of aluminium alloy: 7 mm
Standard colours: 7016 RAL Grey

Four components: aluminium base. Central part with non-removable door and double-joined lock, high part equipped with two 10 mm silk-screened, polycarbonate front pieces, with aluminium counterface, upper module, orange and red LED traffic lights, 65 mm diameter, special opening keys, acoustic and thermal insulation

Upper module
of the City 5

The front piece
is customisable and can be integrated with a high number of accessories: proximity readers, interphone, display, coded keypad, call button...

Front piece
with ø 65 mm bi-colour traffic light

Front piece module
with special anti-vandalism lock

Full door module
with special anti-vandalism lock

High base
of the City 5

Internal device
Pneumatic version:
- LOGO! Manufacturer's programming software or U200 card*
- micro compressor with minimum maintenance for intensive use
- electric safety devices
- emergency stop button (optional)
Hydraulic version:
- LOGO! Manufacturer's programming software
- hydraulic unit
- electric safety devices
- emergency stop button (optional)

*The system featuring the U200 card allows:
- management of Urbaco endstops
- management of magnetic coils
- monitoring of the compressor
- management of dry-contact command devices
- management of negative safety with counter-electrovalve
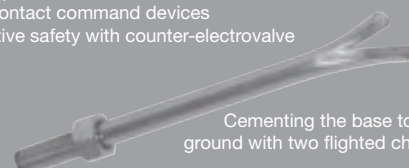
Cementing the base to the ground with two flighted chains

CITY 5 Drive-in pneumatic (2 modules) (without command devices)	Codes
A LOGO! software access-way (without detection)	C5D10000P
A software access-way (without detection) for the U200 card	C5D1U200P

City 5 Drive-in hydraulic (2 modules) (without command device)	Codes
LOGO! software access-way (without detection)	C5D10000H

Functioning logics for the LOGO! (with detection)	Codes
Controlled entrance or exit	COLOGOEOSC
Controlled entrance and exit	COLOGOECSC
Controlled entrance and automatic exit	COLOGOECSA
Automatic exit	COLOGOSA
Controlled entrance and exit without detection	COLOGOESCDE

Functioning logics for the U200 (with detection)	Codes
Controlled entrance or exit	COU200EOSC
Controlled entrance and exit	COU200ECSC
Controlled entrance and automatic exit	COU200ECSA
Automatic exit	COU200SA

Built-in command devices	Codes
AF43S built-in radio receiver (only with U200 card)	COAF43S
AF43SR built-in radio receiver (only with U200 card)	COAF43SR
AF40 built-in radio receiver (only with U200 card)	COAF40
RE432 built-in radio receiver	CORE432
RBE4RC built-in radio receiver	CORBE4RC
S6000 coded keypad + S0001 built-in mono-channel card	COS6000
TSP01 built-in reader for 250 proximity cards	COTSP01
Built-in reader for 500 proximity cards	CORBM21
Built-in reader for 6000 proximity cards	COLEC6000
LOGO! Weekly programmable clock AT224 weekly programmable clock	COHRLH
U200 weekly programmable clock	COHRLHCU2

Communications devices	Codes
Analogue interphone max. distance 300 m from control post	COINT
Digital intercom	nous consulter

OPTIONS	Codes
Second access-way without command devices for the U200 card	COU2002A
Small door and emergency stop button	COC5AUP

*The City 5 is also available in the "Piétons" version and/or in the version with more than 2 modules. Call us.

City 5 pneumatic cabinet (1 module) (without command device)	Codes
A LOGO! access-way software (without detections)	C5A10000P
A software access-way (without detection) for the U200 card	C5A1U200P
CITY 5 hydraulic cabinet	Référence
A LOGO! software access-way (without detection)	C5A10000H

City 5: the applications

Command and warning device

The command and warning devices are usually associated with a micro technical centre or with access controllers like City 3, 5, and 6. They can be integrated with a high number of command and warning devices (proximity readers, coded keypads, interphone, receiver for radio transmitters, emergency stop button, LED warning traffic lights, …).

The City 1 controller
can be integrated with traffic lights, command devices and/or functioning logics and a technical management station, located within the cabinet or in the City 3, 5 or 6 controllers, as an integral part of the U100, U200 or Logo! cards.

City 0

Traffic lights on fixed posts

Technical features
Temperature: -10°C + 55°C
Ventilation: natural
Standard colours: 7016 RAL Grey

Approximate overall dimensions:
Thickness of steel: 6 mm
Standard height: 1425 mm
Diameter: 194 mm

A door with lock, a small door with lock to access the emergency stop button (optional)
- Aluminium traffic light front pieces
- Command device front pieces in polycarbonate and counterfaces in aluminium, grille, supports for elements, special opening keys.

Customisable anterior
front piece that can be integrated with a high number of accessories: proximity reader, interphone, coded keypad, ø 65 mm bi-colour traffic light, call button…

Emergency-stop door
with square firefighter lock and emergency button (optional)

"Technical" door
with special anti-vandalism lock

Internal devices
Pneumatic version:
- electric safety devices
- emergency button
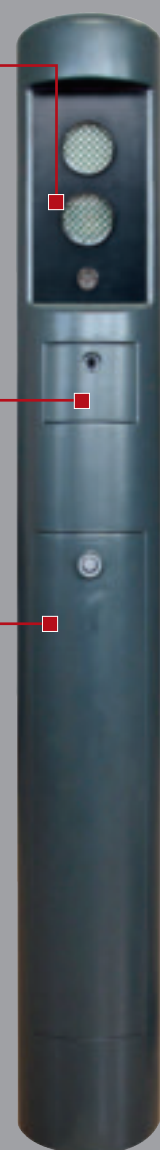
The City 1 controller

Foundation base
in steel for City 1 controller
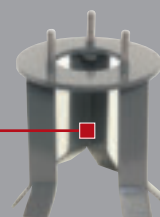
CITY 0 with R/O traffic lights	Codes
City 0 simple frontpiece for R/O traffic lights grille and small door	C0S1000

CITY 1 (with neutral anterior front piece)	Codes
City 1 simple front piece without optional grille and small door	C1S0000

Warning traffic lights	Codes
100 mm R/O LED traffic lights on module with fixing flight chains	CMF1RO
100 mm R/O LED traffic lights on 180° swivelling post	CPF1RO
100 mm R/O LED traffic lights on 180° swivelling post	CPF2RO

*The City 1 Stainless is also available in the version with the double front piece. Ask us.

Optional built-in integrations for City 1	Codes
R/O LED 65 mm diameter traffic lights	COFRO
RE432 built-in radio receiver	CORE432
RBE4RC built-in radio receiver	CORBE4RC
S6000 coded keypad + S0001 built-in mono-channel card	COS6000
TSP01 built-in reader for 250 proximity cards	COTSP01
Built-in reader for 500 proximity cards	CORBM21
Analogical interphone max. 300 m distance from control post	COINT
Emergency stop button	COC1AU

Command and warning devices: the applications

Non contractual images

Accessories for management systems

Various

Magnetic loop, multi-wire 2 x 1.5 mm twisted armoured cable, length of standard coil is 25 m, Ø 7 mm. Extremities 2 wires to connect to the terminals for the management system to maintain twisting. Connection box, Ø 70 mm, h 41 mm, air and water tight closure with resin to protect the welding. Three cable loops (available in the following lengths: 6, 8, 10 and 12 m) with ICT 2-20, flexible sheath Ø 20 mm.

Detection loops

Access-way	Loop feeder length	Codes
Controlled entrance or exit (2 loops)	25	COBCLEC25
	50	COBCLEC50
Controlled entrance and exit (2 loops)	25	COBCLES25
	50	COBCLES50
Automatic Exit (3 loops)	25	COBCLSA25
	50	COBCLSA50
Controlled entrance and automatic exit (3 loops)	25	COBCLEA25
	50	COBCLEA50

Mono-channel detector
for safety loops with memory.
Mounting base included.
Item code RDET1CM

Bi-channel detector
for safety loops with memory
Item code RDET2CM
Base /detector support
Item code RSUPDET

		Coil perimeter	Codes
Safety loop for 1 bollard Loop feeder length 25 m		8 m	COBCL0825
Safety loop for 1 bollard Loop feeder length 50 m		8 m	COBCL0850
Safety loop for 2 bollards Loop feeder length 25 m		12 m	COBCL1225
Safety loop for 2 bollards Loop feeder length 50 m		12 m	COBCL1250

Console examples

Air supply of 5 litres
(delivered not mounted in the TC).
Item code CORVAA5N
Supply support.
Item code CORVAA5NCU

Remote console 1 impulse button
Item code RPUP10

Remote console 1 key
Item code RPUP01

Special front plate
for City
Item code call us

Analogue interphone from 1 to 3 directions
for remote post max. 300 m to couple with remote console and power unit
Item code RINTC3A
Analogue interphone > of 3 directions max.
distance 300 m to couple with remote console and power unit
Item code RINTC1N
Digital intercom
Call us
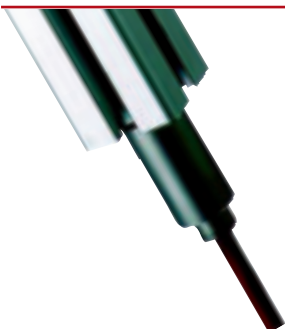
Heating device for controller and technical centre
Heating devices
Standard heating device
Item code COKCHG
Heating device + thermostat
Item code BOCGF75

Power supply for heating devices

Number of devices 24V - 50W	Number of devices 24V - 75W	Item code
Micro technical centre power supply		
1	1	BOTR90CT
2 or 3	2	BOTR160CT
4	2	BOTR210CT
5	3	BOTR260CT
Power supply for City 3, 5, 6 and specific stations		
1	1	BOTR90
2 or 3	2	BOTR160
4	2	BOTR210
5	3	BOTR260

Various

Accessories for Luxor technical centres	Codes
Lift of H 150 mm for Luxor technical technical centre with 800 x 600 cabinet CC6U200PRR / PRS	COREH02-LUX
Automatic condensation discharger for Luxor technical technical centre compressor	COPURA-LUX
80w heating device mounted with thermostat for MTC Luxor cabinet	COKCHGT-LUX
Ventilation kit for intensive use for MTC Luxor CC6U200PRS cabinet	COVF-LUX
Second access-way extension for U200 on MTC Luxor, not mounted	COU2002A

Remote control devices for micro technical centres and controllers

Radio receivers

Bi-channel transmitters
With code self-learning mode
001TAM-432SA

Bi-channel multi-user
transmitter
001TOP-432NA
4-channel multi-user transmitter
001TOP-434NA

Rolling code transmitter
1 channel - **001AT01**
Rolling code transmitter
2 channels - **001AT02**
Rolling code transmitter
4 channels - **001AT04**

Quarzed transmitter
2+2 40.685 MHz channels
001TCH4024
Quarzed transmitter
4+4 40.685 MHz channels
001TCH4048

Non contractual images

Command devices for micro technical centres and controllers

Selectors

Flush-mounted key selector switch
with aluminium-alloy case, protective door for lock and cylinder
001 SET-K

Surface mounted key switch selector
aluminium-alloy case, protective door for lock and cylinder
001 SET-J

Surface mounted key switch selector
aluminium-alloy case, protective door for lock and cylinder.
001 SEM-2
Magnetic coded key
001 SEC

Surface mounted key switch selector
aluminium-alloy case and DIN cylinder
001 SET-I

Surface mounted key switch selector
aluminium-alloy case and DIN cylinder.
001 SET-E
Surface mounted key switch selector
aluminium-alloy case and DIN cylinder.
001 SET-EN

Various

Stand-alone transponder sensor
for cards, key fobs and TAGs for up a maximum of 250 users.
001 TSP01

Natural anodized aluminium post H = 1 m with tamperproof support for SEM-2.
001 CLM

Black anodized aluminium post H = 1 m with tamperproof support for SEM-2.
001 CLMN

Natural anodized aluminium post H = 1 m SET-I – SET-K – TSP01.
001 CSS

Black anodized aluminium post H = 1 m SET-I – SET-K – TSP01.
001-CSSN

Warning flashing light
001 KIARO24N

Wall mounting support
001 KIAROS

433.93 MHz antenna
001 TOP-433N

Antenna cable
001 TOP-RG58

Surface mounted keypad selector with 1.679.616 combinations
001 S70000

Mono-channel control board for S5000- S6000 – S7000 (1 memorisable code).
001 S0001

White read-only proximity card with printed number
RBDGLG

	Codes
White read-only proximity card with printed number (non-silk screened)	RBDGLEG
Read/write proximity card with one side coloured and one black	RBDGLEGS1C1N
Read/write proximity card with one side black and silk screening	RBDGLEGS1N
Read-only proximity card with printed number without silk-screening	RBDGLG
Read proximity card with one coloured side and silk-screening	RBDGLGS1C
Read proximity card with one side coloured and one black with silk screening	RBDGLGS1C1N
Read proximity cards with silk screening, one side black	RBDGLGS1N
Read proximity card with silk screening and number printed and two black sides	RBDGLGS2N

SYGMA II
Automatic
centralisation

The SYGMA II software is the Access Control System for centralising your access-way control with retractable bollards. SYGMA II allows global management of remote devices (bollards, automated operators, cards, videos, interphones…).

Non contractual images

SYGMA II
Access Control
Management system

SYGMA II

Centralised Technical Management System:

The SYGMA II software is the Access Control System for centralising your access-way control with retractable bollards. SYGMA II allows global management of remote devices (bollards, automated operators, cards, videos, interphones…). It works online using current-day functionalities and communications methods: the SYGMA software can be installed on one or more workstations which are interconnected.

It's made up of various modules:

- NEXUS: the communications core.
- GTC: the Centralised Technical Management module based on a synoptic panel of the controlled zones.
- CASCAM: the access control software with proximity cards.
- ARCHIVES: Numerous management tools for browsing archives and statistical data. Besides administration and maintenance tools.

CASCAM

Access management software with proximity cards:

The CASCAM module (i.e. Safe Access-way Control with Memory card) is a software for managing user card databases. CASCAM also lets you manage from various workstations, thus allowing you to decentralise card retrieval in different offices, as in neighbourhood municipalities. CASCAM's standard version manages 6000 cards per reader, broken down into access groups that define the validity of each card. It also manages provisional read/write cards in which access rights are imputed, allowing for a flexible management of users to specific areas, such as entrepreneurs and artisans. The diffusion of each user's passage rights towards the access-ways is guaranteed by the "NEXUS" communications core and this happens instantly, upon each data input or change. Consequently you can use a "User" badge as soon as it is created.
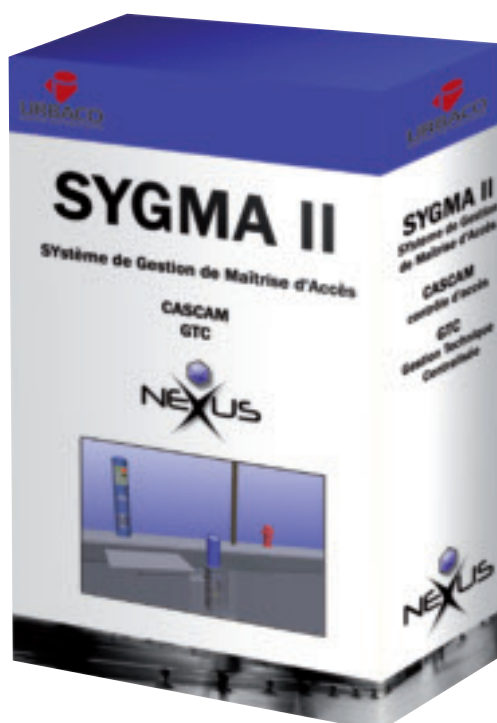
CASCAM Light

Independent access management software:

The CASCAM Light software is available separately, and lets you manage 1000 cards per reader, autonomous version for laptop PCs.

Standard configuration Connections and communications

COMMUNICATIONS

The communications among the "NEXUS" communications core and other existing devices can take place using any means of data exchange.

- serial communications
- via TCP/IP (Ethernet, ADSL, WIFI, etc.)
- copper-wire connections
- fibre optic connection
- radio-wave connection
- complete check of ground devices
- global synoptic management (on one or more stations)
- remote access configuration
- information on every access for pre-diagnostic analysis
- centralised technical guide and management of a pedestrian plan on one or more posts via IP connections
- management of users from different posts and without loading.
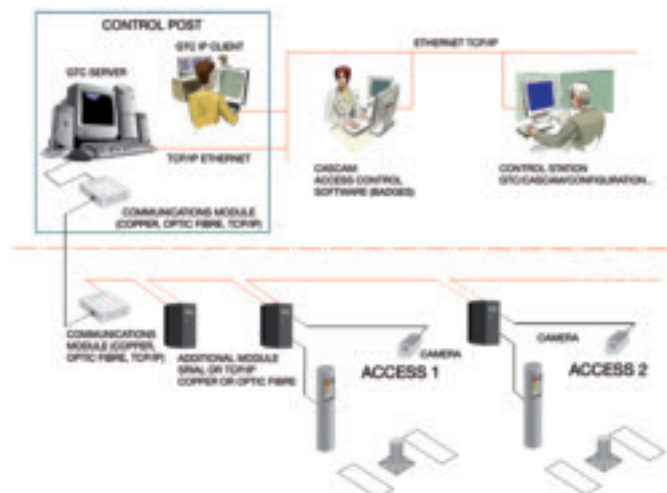
STANDARD FUNCTIONALITIES

- ergonomic IHMs
- functioning via IP network, remote (Internet) or local
- easy updating
- export via Word, Excel and standard XML
- automatic email
- automatic PDF creation
- management of access rights to IT functions (through supervisory cards or login)
- language change while functioning (22 possible languages)
- 3D visualisation in real time (OpenGL, DirectX) of graphics and accesses
- Conversion to Access, dBasel, Texte, Oracle, XML, etc.
- Possibility to use databse in: AS/400, Oracle, My SQL, Serveur, Informix, Dbase2, SyBase, Access, Progress, Xase, OLE DB, ODBC, XML.
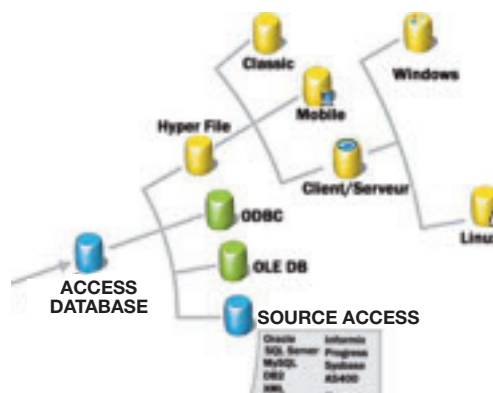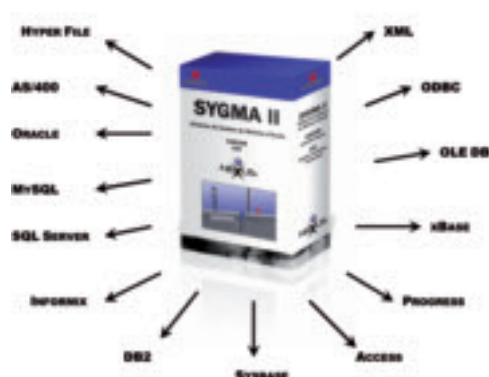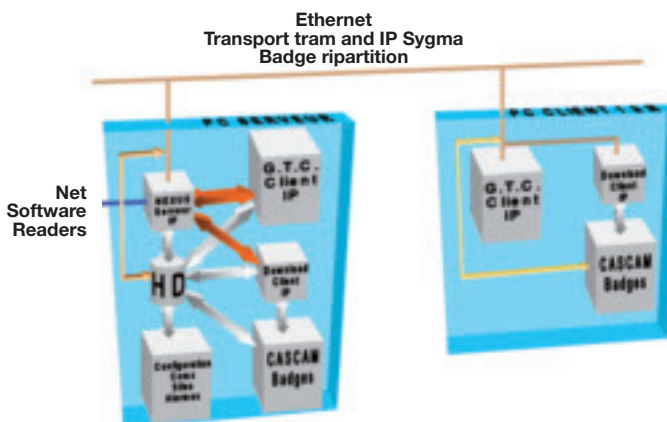
General synoptics, information on access, events and alarms

Synoptic G.T.C.

The (GTC) synoptic plan allows access to the management and functioning logics:

- Access-way (simple or ticket opening, low tampering rating, etc.)
- Visualisation of the general state of the access-ways (bollard up/down, in motion, coil active or out-of-order, etc.)
- Access-way information, which provide direct diagnosis of the slave devices as a whole (i.e. bollards, PLC control panels, magnetic coils, compressors, traffic lights, emergency stop buttons, clocks, readers, connections, etc.) log of events, alarms and breakdowns. (3D visualisation in real time)
- Configuration of the different parameters and timings of each access-way
- The automatic openings, a function that lets you program the daily time slots openings of access-ways for market days or delivery times
- Managing events and alarms: the log of events displays, in real time, all of the events that take place in the field
- The GTC module can exploit the various functioning stations thus allowing you to manage all or part of the controlled zone from different services and buildings, which thus, share management of the area; for example: a road GTC for the control and maintenance of locations, a GTC at the local police station for timely openings with video and interphone and a GTC at a third party's premises that takes the PM connection for the night.

LOG OF EVENTS:

The log of events displays, in real time, all of the information coming from the field, providing a detailed picture of the access-way's in question proper functioning.

LOG OF ALARMS:

The log of alarms displays, in real time, any alarms coming from the field, allowing you to quickly establish an initial diagnosis as concerns the working cycle of the access-way in question.
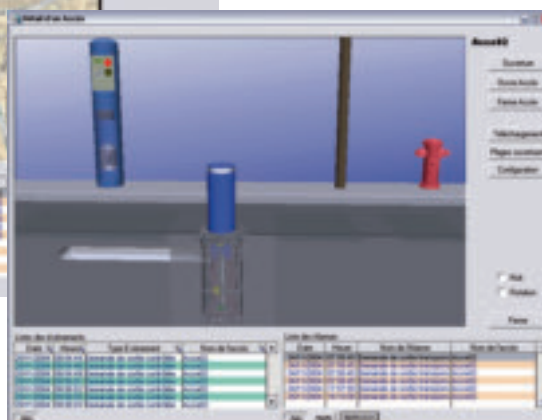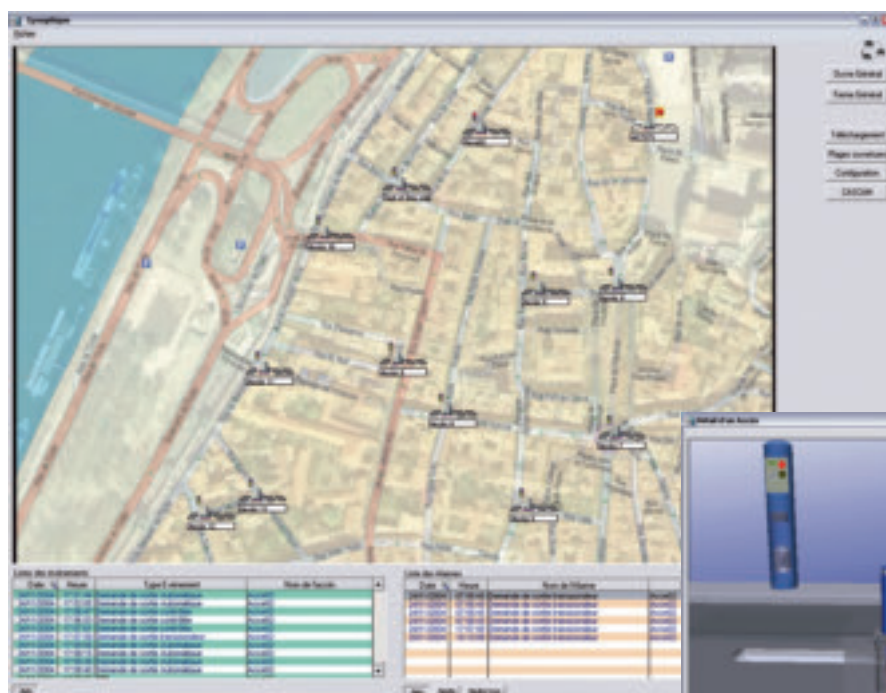
Files and statistics

FILES AND STATISTICS

Files and statistics

The "File" program allows you to extract files, which correspond to different criteria, from the events software. Such events may derive from different access-ways or from the PC itself. Once the events search has been made, the "Statistics" function allows you to make an hourly or daily count of anything found and to visualise a general, graphic display of the results.

- card reader
- forbidden access
- no paper
- delivery button
- failed transaction
- reset reader
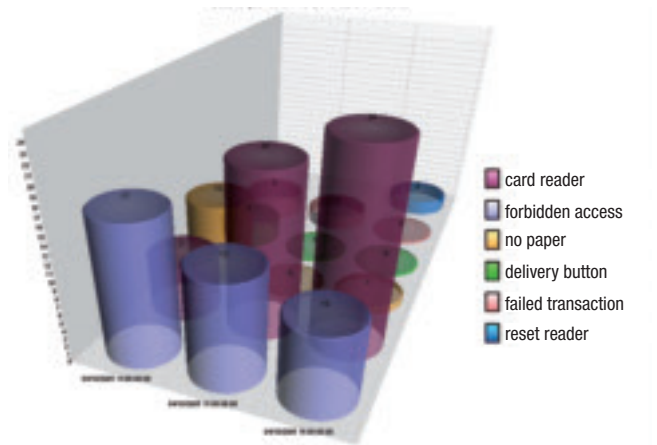
SOME FIGURES

- Number of in- and out- access: 65, 535.
- Number of cards per reader: 6,000 (increasable to 12,000).
- Number of users (65, 535 x 6,000): practically unlimited (393 Mio).
- Number of events and alarms (increasable): 70 different ones.
- Maximum number of stored events: practically unlimited.
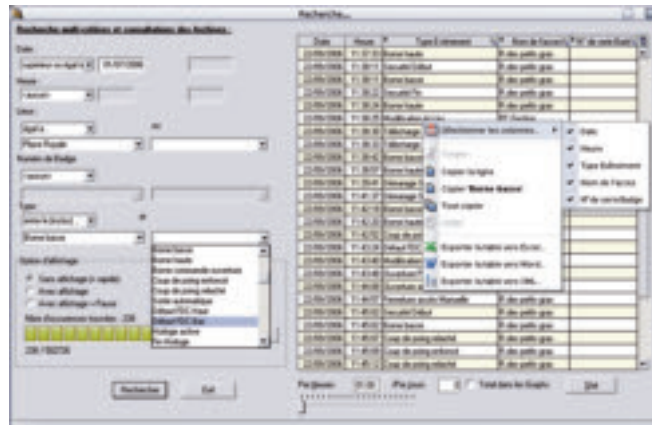
SUMMARY/CONCLUSION

The Sygma II software provides:

- Complete control of the ground devices.
- Remote configuration of access-ways.
- Centralised, technical management and monitoring of a pedestrian plan on one or more stations via IP connections.
- Information for each access-way for a quick, pre-diagnostic analysis.
- Statistical choice and treatment of events for improved system management.

For retractable bollards	
TPRALBEX	RAL 4 numbers

Other colours excluding RAL	
TPUGA	Dark grey
TPUGR	Steel grey

Accessories for mechanical, retractable bollards

Keys		
Item code	**BOCLESL11**	11 mm TRIANGLE print
Item code	**BOCLESL14**	14 mm TRIANGLE print
Item code	**BOCLESLDL**	HALF MOON print
Item code	**BOCLESLESA**	CUSTOMISED print

Codes	E11	E14	EDL	ESA	ECP	ECPDL
Material	Cast iron				-	Cast Iron
Length (mm)	140	140	140	140	-	140

Release rod ("fire-fighter print")

References:
BOTIVCP = for a printless, square fire-fighter's lock
BOTIVCPDL = for a half-moon print and square, fire-fighter's section

Release rods (steel)

Mechanical, retractable bollards

Example of a mechanical bollard

1. Unlock

2. Push

3. Release

Mechanical retractable bollards are made to manage both public and private roads. Their movement is activated by a key which unlocks the mechanism. By pushing the bollard head downwards, the bollard retracts below ground; it then automatically locks into the retracted position. Then, by turning the key, the bollard surfaces and locks into the fully surfaced position.

Generation 6 Mechanical, retractable bollards

Invented in 1984 by Urbaco, retractable bollards are used in a variety of settings, all having a common denominator, that is, the management of one or more access-ways. Restricting a parking area, restricting a delivery zone, restricting urban flows, anti-intrusion security for sensitive sites or buildings, embassies or private homes.

Génération 6
The sixth generation of Urbaco retractable bollards is the result of over 20 years of experience. These bollards are made of only three elements: case, cover and bollard head, each is cast into a single nodular cast-iron piece, has no wearable components, features the Urbaco Monobloc® patent. The mechanical, retractable bollard must not be installaed where vehicle normally pass.

*Compliant with
French Law NFP98-310*

Example of a mechanical bollard

1. Unlock   2. Push   3. Release

Models
Offered in two different models. Made of nodular cast-iron, with an average thickness of 11 mm, for the Châteauneuf, Acropole, Cylinder, Athéna models. Made of nodular cast-iron + Inox 316L with a thickness of 9 + 1.5 mm for the Vendôme model.
- 3 diameters: 120 mm, 200 mm, 250 mm
- 2 heights: 500 mm, 750 mm

Warnings
Display device with a white, Class II reflective band (the Vendome model uses a yellow band)

Surface finish and colours
Zinc is the primary standard coating which provides better adherence for the finishing coat, using a powder based, polyester thermo-hardening matt varnish, in standard RAL 7016 dark grey

Bollard head
Cast into one block, it houses its own sliding rail and is designed to slide without ever wearing down. Does not require any periodic maintenance nor adjustments. The nodular cast iron gives it great endurance

Cover
It helps preserve the bollard, its long cladding distributes the bollard's energy into opposite components, transmitting it to the buried foundation box. A thick plastic ring eases the sliding of the bollard body, thus reducing friction and noise

Foundation box
With a thickness of up to 24 mm, it is fitted with 4 guides and an integrated cross bar which holds a gas operated spring in place. This ensures that the guide rails will not deform

Protective dome
For the key-insertion system

Inox release rod
Different prints are available

Gas-operated spring
Makes the bollard re-surface after the key mechanism is released

Lost casing
Urbaco's lost casing, made of 1.5 mm thick galvanised, metal sheeting is delivered already folded. This allows you to save space and makes for easier maintenance and stocking. Its easy mounting is indispensable for optimal installation
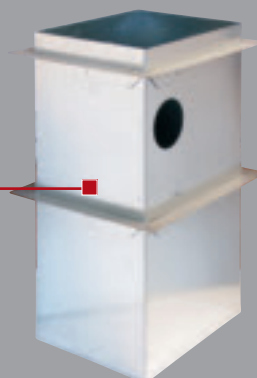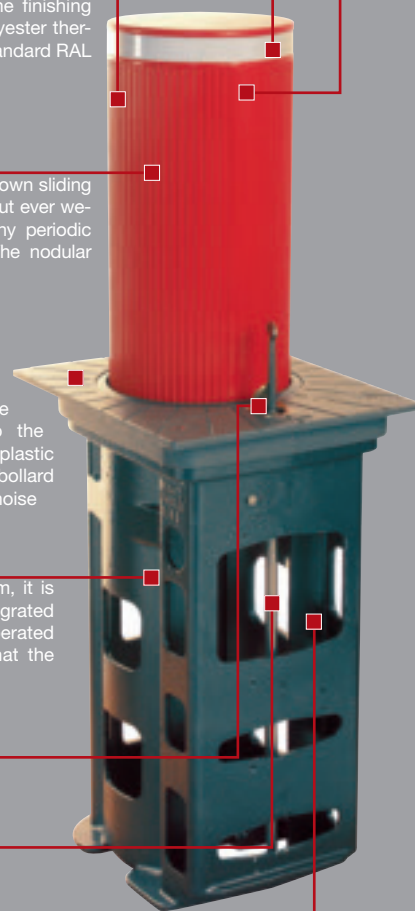
Génération 6: the models

Cylinder			Mechanical	Lost casing
Commercial reference				
Diameter	Height from the ground	Weight	Codes	Codes
250	500	113 kg	BMCLPF50	BOCOFF671
250	750	149 kg	BMCLPF75	BOCOFF954
200	500	83 kg	BMCLPE50	BOCOFE664
200	750	110 kg	BMCLPE75	BOCOFE959
120	500	55 kg	BMCLPD50	BOCOFD667
120	750	70 kg	BMCLPD75	BOCOFD960

Acropole			Mechanical	Lost casing
Commercial reference				
Diameter	Height from the ground	Weight	Codes	Codes
250	500	119 kg	BMACEF50	BOCOFF671
250	750	155 kg	BMACEF75	BOCOFF954
200	500	83 kg	BMACEE50	BOCOFE664
200	750	110 kg	BMACEE75	BOCOFE959
120	500	55 kg	BMACED50	BOCOFD667
120	750	70 kg	BMACED75	BOCOFD960

Athéna			Mechanical	Lost casing
Commercial reference				
Diameter	Height from the ground	Weight	Codes	Codes
250	500	119 kg	BMATNF50	BOCOFF671
250	750	155 kg	BMATNF75	BOCOFF954
200	500	83 kg	BMATNE50	BOCOFE664
200	750	110 kg	BMATNE75	BOCOFE959
120	500	55 kg	BMATND50	BOCOFD667
120	750	70 kg	BMATND75	BOCOFD960

Chateauneuf			Mechanical	Lost casing
Commercial reference				
Diameter	Height from the ground	Weight	Codes	Codes
250	500	119 kg	BMCHPF50	BOCOFF671
250	750	155 kg	BMCHPF75	BOCOFF954
200	500	83 kg	BMCHPE50	BOCOFE664
200	750	110 kg	BMCHPE75	BOCOFE959
120	500	55 kg	**BMCHPD50	BOCOFD667
120	750	70 kg	**BMCHPD75	BOCOFD960

*Vendôme			Mechanical	Lost casing
Commercial reference				
Diameter	Height from the ground	Weight	Codes	Codes
250	500	119 kg	BMVDMF50	BOCOFF671
250	750	155 kg	BMVDMF75	BOCOFF954
200	500	83 kg	BMVDME50	BOCOFE664
200	750	110 kg	BMVDME75	BOCOFE959
120	500	55 kg	BMVDMD50	BOCOFD667
120	750	70 kg	BMVDMD75	BOCOFD960
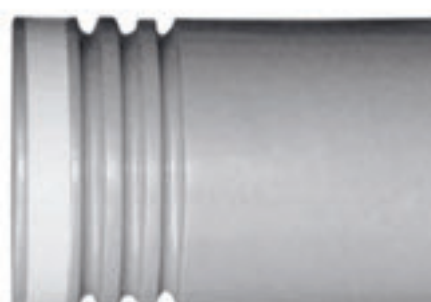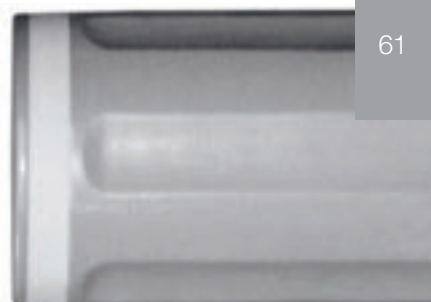
**Also available with rounded head 120/550 and 120/750
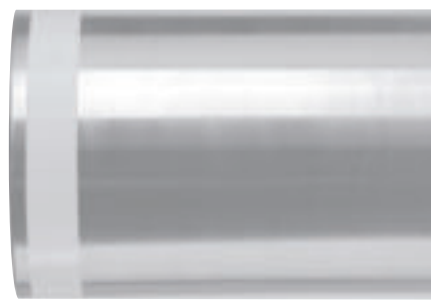
*yellow reflective bands

Non contractual images

Ovalie
Mechanical,
retractable bollard

1. Unlock   2. Push   3. Release

Operation

The mechanical, retractable bollard is activated by a key which release the mechanism. By pressing on the head of the bollard, it automatically retracts and automatically locks into the 'down' position. Then, by turning the key, the bollard re-surfaces by itself and locks into the 'up' position. The wear-resistant, sliding rolling release mechanism (an Urbaco patent), is made up of an inox release rod and a block arm. A small, bronze door protects the lock.

Case

With a thickness of up to 24 mm, it is fitted with 4 guides and an integrated Monobloc bar which holds a gas-operated spring in place. This ensures that the guide rails will not deform

Surface finish and colours

Zinc is the primary standard coating which provides better adherence for the finishing coat, using a powder based, polyester thermo-hardening matt varnish, in standard RAL 7016 dark grey

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*Compliant with
French Law NFP98-310*

Lost casing

Urbaco's disposable folding case, made of 1.5 mm thick galvanised, metal sheeting is delivered already folded. This allows you to save space and makes for easier maintenance and stocking. Its easy mounting is indispensable for optimal installation

Ovalie Model

Ovalie			Mechanical	Lost casing
Commercial reference				
Diameter	Height from the ground	Weight	Codes	Codes
120 x 80	500	52 kg	BMOVLD50	BOCOFD667

Retractable mechanical bollards
Special products

Perpignan model

A model specially and exclusively made for the city of Perpignan

Cabestan model

WARNING!
This model does not comply with French Law NFP98-310

Grand Lyon model

WARNING!
This model does not comply with French Law NFP98-310

Call us

Non contractual images

Foundation scheme

Schematic representation for installing the lost casing for automatic or mechanical bollards. It is delivered folded and takes two minutes to install.

Advantages:
- takes up less room and requires little maintenance and room when stocking
- cuts back on transport costs
- it is easy to mount

Technical features:
- made of 1,5 mm thick galvanised steel.

The Tradition series, the direction of circulation is indicated on the bollard case, while for the G6 series it is shown on the cover.

Traffic flow

L_e L_a L_z L_b

FINISHED GRADE

Conduit inlet Ø 100 max, on left or right side

PVC Ø 100

Cement 350 Kg

H_c

N

PVC Ø 100

H_e

H_r

H_d

Soil drainage

NOTE: natural soil with suitable permeability for drainage (otherwise, connect to rainwater / waste water sewer system, if possible)

Cement

Drainage

Natural ground

Covering

hydraulic BEA and Bem, same principle: BP... => BH... => BM...
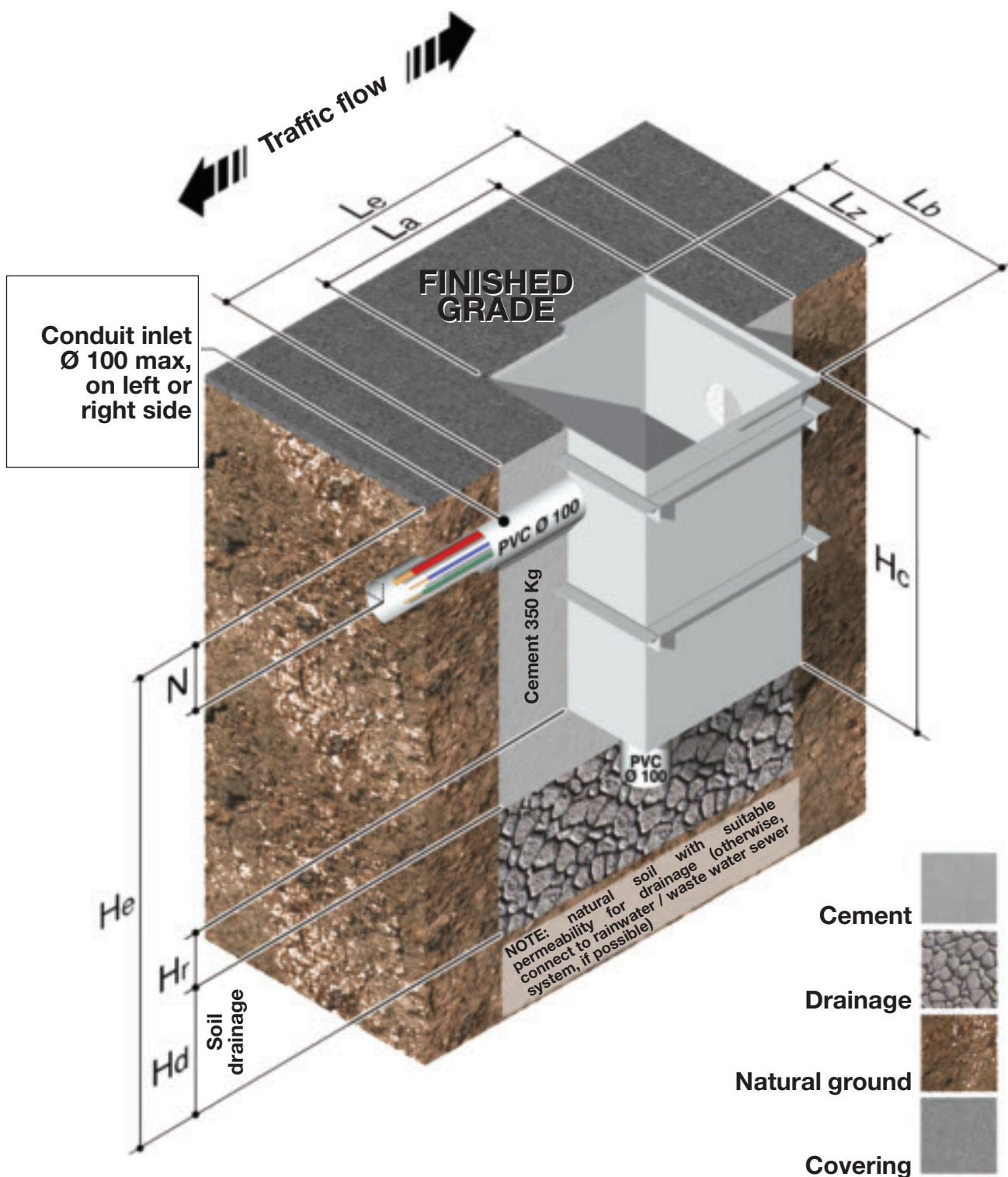
BEA Tradition High Security

Bollard				Lost casing				Pit			Foundation plate	Drainage	Conduit
Mod.	ø	H	Cod.	Cod.	La	Lb	Hc	Le	Lz	He	Hr	Hd	N
Cylinder	250	700	BPCLPF70H	BOCOFF1300	425	425	1300	825	825	1800	200	300	335
Cylinder	250	900	BPCLPF90H	BOCOFF1300	425	425	1300	825	825	1800	200	300	335
Vendôme	250	700	BPCLPF70HC	BOCOFF1300	425	425	820	825	825	1320	200	300	335
Vendôme	250	900	BPCLPF90HC	BOCOFF1300	425	425	1300	825	825	1800	200	300	335

*same for hydraulic version

BEA Tradition with illuminated Ring

Bollard				Lost casing				Pit			Foundation plate	Drainage	Conduit
Mod.	ø	H	Cod.	Cod.	La	Lb	Hc	Le	Lz	He	Hr	Hd	N
Acropole	250	500"CL"	BPACEF50CL	BOCOFF700	425	425	700	825	825	1200	200	300	180
Acropole	250	600"CL"	BPACEF60CL	BOCOFF880	425	425	880	825	825	1380	200	300	210
Cylinder	250	500"CL"	BPCLPF50CL	BOCOFF700	425	425	700	825	825	1200	200	300	180
Cylinder	250	600"CL"	BPCLPF60CL	BOCOFF880	425	425	880	825	825	1380	200	300	210
Vendôme	250	500"CL"	BPVDMF50ICL	BOCOFF700	425	425	700	825	825	1200	200	300	180
Vendôme	250	600"CL"	BPVDMF60ICL	BOCOFF880	425	425	880	825	825	1380	200	300	210

BEA / BEM Génération 6

Bollard				Lost casing				Pit			Foundation plate	Drainage	Conduit
Mod.	ø	H	Cod.	Cod.	La	Lb	Hc	Le	Lz	He	Hr	Hd	N
Acropole	250	500	BPACEF50	BOCOFF671	357	423	673	757	823	1173	200	300	172
Acropole	250	750	BPACEF75	BOCOFF954	357	423	956	757	823	1456	200	300	172
Acropole	200	500	BPACEE50	BOCOFE664	288	358	666	688	758	1166	200	300	154
Acropole	200	750	BPACEE75	BOCOFE959	288	358	961	688	758	1461	200	300	154
Acropole	120	500	BPACED50	BOCOFD667	208	275	669	608	675	1169	200	300	180
Acropole	120	750	BPACED75	BOCOFD960	208	275	962	608	675	1462	200	300	180
Athéna	250	500	BPATNF50	BOCOFF671	357	423	673	757	823	1173	200	300	172
Athéna	250	750	BPATNF75	BOCOFF954	357	423	956	757	823	1456	200	300	172
Athéna	200	500	BPATNE50	BOCOFE664	288	358	666	688	758	1166	200	300	154
Athéna	200	750	BPATNE75	BOCOFE959	288	358	961	688	758	1461	200	300	154
Athéna	120	500	BPATND50	BOCOFD667	208	275	669	608	675	1169	200	300	180
Athéna	120	750	BPATND75	BOCOFD960	208	275	962	608	675	1462	200	300	180
Chateauneuf	250	500	BPCHPF50	BOCOFF671	357	423	673	757	823	1173	200	300	172
Chateauneuf	250	750	BPCHPF75	BOCOFF954	357	423	956	757	823	1456	200	300	172
Chateauneuf	200	500	BPCHPE50	BOCOFE664	288	358	666	688	758	1166	200	300	154
Chateauneuf	200	750	BPCHPE75	BOCOFE959	288	358	961	688	758	1461	200	300	154
Chateauneuf	120	500	BPCHPD50	BOCOFD667	208	275	669	608	675	1169	200	300	180
Chateauneuf	120	750	BPCHPD75	BOCOFD960	208	275	962	608	675	1462	200	300	180
Cylinder	250	500	BPCLPF50	BOCOFF671	357	423	673	757	823	1173	200	300	172
Cylinder	250	750	BPCLPF75	BOCOFF954	357	423	956	757	823	1456	200	300	172
Cylinder	200	500	BPCLPE50	BOCOFE664	288	358	666	688	758	1166	200	300	154
Cylinder	200	750	BPCLPE75	BOCOFE959	288	358	961	688	758	1461	200	300	154
Cylinder	120	500	BPCLPD50	BOCOFD667	208	275	669	608	675	1169	200	300	180
Cylinder	120	750	BPCLPD75	BOCOFD960	208	275	962	608	675	1462	200	300	180
Vendôme	550	500	BPVDMF50	BOCOFF671	357	423	673	757	823	1173	200	300	172
Vendôme	250	750	BPVDMF75	BOCOFF954	357	423	956	757	823	1456	200	300	172
Vendôme	200	500	BPVDME50	BOCOFE664	288	358	666	688	758	1166	200	300	154
Vendôme	200	750	BPVDME75	BOCOFE959	288	358	961	688	758	1461	200	300	154
Vendôme	120	500	BPVDMD50	BOCOFD667	208	275	669	608	675	1169	200	300	180
Vendôme	120	750	BPVDMD75	BOCOFD960	208	275	962	608	675	1462	200	300	180
Ovalie	120x80	500	BPOVLD50	BOCOFD667	208	275	669	608	675	1169	200	300	180

Non contractual images

For fixed and removable bollards and posts	
TPRALBF	RAL 4 numbers

Other colours excluding RAL	
TPUGA	Dark grey
TPUGR	Steel grey
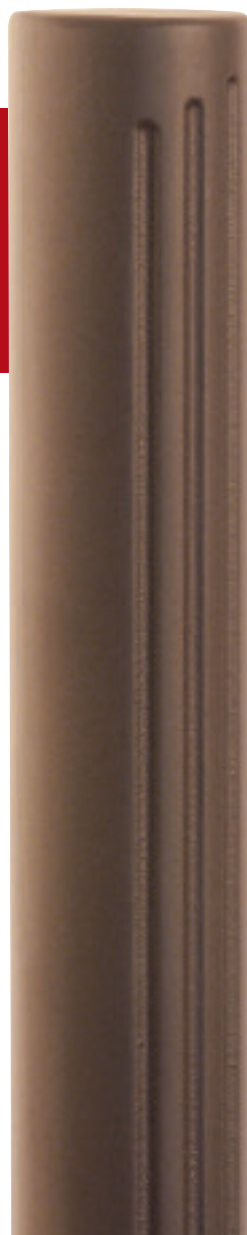
Fixed and removable bollards

Example of a removable bollard

1. Unlock   2. Turn   3. Lift

Fixed bollards and posts are used in both public and private settings to restrict traffic flows, parking or simply to protect areas from vehicle access. Urbaco uses cast iron, steel and inox steel to make its products.

Non contractual images

The Fixator® system, an Urbaco patent

Removable bollards and posts are a simple, economical and effective way of managing access-ways that are only occasionally opened. The Urbaco patented Fixator® system consists of manually removable bollards and posts. The Fixator® and the cover are sold separately from the bollard. The male sleeve (the lower part) can be purchased separately to create removable posts and supports.

By turning the key, the bollard is released and can be removed from its housing. The Fixator® cover is replaced at the end to free both the way and the area. The Fixator® is installed in cement at the same level as the upper part. The impact resistance of these products depends on how well the Fixator® has been fixed to the ground.

Fixator® for removable Bollards and Posts			
Fixator® (steeled cast iron)	Print	Weight	Item code
Fixator® with release, key, coverless	11 mm Triangle	9 kg	BOFIXP11S
Fixator® with release , key, coverless	14 mm Triangle	9 kg	BOFIXP14S
Fixator® with release, key, coverless	Half moon	9 kg	BOFIXPDLS
Fixator® with release, coverless	Without	6 kg	BOFIXCS
Stainless steel ground fixing, closing system with ground lock, with cover	11 mm Triangle	-	BOFIXSIB
Base to be cemented alone, for stainless steel bollard and post, Ø 76 and 114 mm, closing system with lock on bollard	-	-	EMBS100INOX
Base to be cemented alone, for stainless steel bollard and post, Ø 200 and 250 mm, closing system with lock on bollard	-	-	EMBS200INOX

Fixator® without release

Fixator® with release

Sleeve		
Material	Weight in kilos	Item code
Steeled cast iron	3,8	BOMACF

Cover for Fixator®		
Material	Weight in kilos	Item code
Steeled cast iron	2,9	BOFIXCOF

Keys for removable Bollards and Posts				
KEYS	Length	Print	Material	Item code
Service	140 mm	Triangle 11	Cast iron	BOCLESL11
Service	140 mm	Triangle 14	Cast iron	BOCLESL14
Service	140 mm	Half moon	Cast iron	BOCLESLDL

Accessories for removable bollards and posts

| Reflective bands only
for Generation 6 removable bollards and posts excluding Vendome ||
Colour	Item code
White	BOBRB
Yellow	BOBRJ
Red	BOBRR

Eyelets	
	Item code
1 fixed eyelet on bollard of post (except Vendome, Mistral and Demoiselle models)	BOCHAAM1
2 180° fixed eyelets on bollard or post (except Vendome, Mistral and Demoiselle models)	BOCHAAM2
2 90° fixed eyelets on bollard or post (except Vendome, Mistral and Demoiselle models)	BOCHAAM3
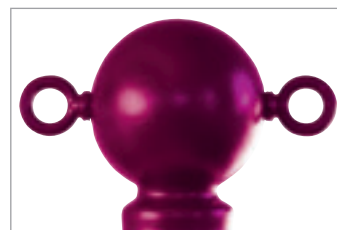
Carabiners	
	Item code
14 diameter carabiner	RCHAM14

Chains	
	Item code
Galvanised, non-varnished, 14 diameter, per metre	RCHA14N
Chain with galvanised varnish (RAL of your choice) diameter 14, per ml	RCHA14P

*Provide length of segments on order – maximum length per segment: 6ML

Generation 6
Fixed and
removable bollards

Fixed bollards and posts are used in both public and private settings to restrict traffic flows, parking or simply to protect areas from vehicle access. Urbaco uses cast iron, steel and inox steel to make its products. Removable bollards and posts are a simple, economical and effective way of managing access-ways that are only occasionally opened. They are identical in shape and dimensions to automatic retractable and mechanical bollards. Removable bollards allow you to easily coordinate the aesthetics in terms of both access-way control in public and private areas and for urban setting management. The 120 mm diameter Chateauneuf version is also available with the rounded top which smoothens the originally squarish lines. The control units also conform to the fixed, energy dispensing posts.

Fixed bollard

Removable bollard

Example of a removable bollard

1. Release   2. Turn   3. Remove

Models

5 different models are offered. Grey cast iron or nodular cast iron, with an average length of 11mm, for the Chateauneuf models.
- 3 diameters: 120 mm, 200 mm, 250 mm
- 2 heights: 500 and 750 mm for the Chateauneuf models (rounded top)

Surface finish and colours

Zinc is the primary standard coating which provides better adherence for the finishing coat, using a powder based, polyester thermo-hardening matt varnish, in standard RAL 7016 dark grey

The Urbaco patented Fixator® system consists of manually removable bollards. Once the bollard has been removed, a cover frees the way and area. The Fixator® is cemented to the ground. Its resistance to impacts depends on how well it is fixed to the ground and the dimensions of the installation area

*G Nodular cast Iron (SG)
*F Lamellar cast iron (LG)

Flat top   **Rounded top**

Cylinder			Fixed	Removable
Commercial reference				
Diameter	Height from the ground	Weight	Codes	Codes
250	500	46 kg	BSCLPF50G	BACLPF50G
250	750	68 kg	BSCLPF75G	-
200	500	33 kg	BSCLPE50G	BACLPE50G
200	750	47 kg	BSCLPE75G	-
120	500	18 kg	BSCLPD50G	BACLPD50G
120	750	26 kg	BSCLPD75G	BACLPD75G

Acropole			Fixed	Removable
Commercial reference				
Diameter	Height from the ground	Weight	Codes	Codes
250	500	46 kg	BSACEF50G	BAACEF50G
250	750	68 kg	BSACEF75G	-
200	500	34 kg	BSACEE50G	BAACEE50G
200	750	36 kg	BSACEE75G	-
120	500	20 kg	BSACED50G	BAACED50G
120	750	26 kg	BSACED75G	BAACED75G

Athéna			Fixed	Removable
Commercial reference				
Diameter	Height from the ground	Weight	Codes	Codes
250	500	45 kg	BSATNF50G	BAATNF50G
250	750	62 kg	BSATNF75G	-
200	500	34 kg	BSATNE50G	BAATNE50G
200	750	36 kg	BSATNE75G	-
120	500	18 kg	BSATND50F	-
120	750	26 kg	BSATND75F	-
120	500	20 kg	BSATND50G	BAATND50G
120	750	24 kg	BSATND75G	BAATND75G

Flat top Chateauneuf

Châteauneuf			Fixed	Removable
Commercial reference				
Diameter	Height from the ground	Weight	Codes	Codes
250	500	53 kg	BSCHPF50G	BACHPF50G
250	750	72 kg	BSCHPF75G	-
200	500	32 kg	BSCHPE50G	BACHPE50G
200	750	45 kg	BSCHPE75G	-
120	500	17 kg	BSCHPD50F	-
120	750	24 kg	BSCHPD75F	-
120	500	17 kg	BSCHPD50G	BACHPD50G
120	750	24 kg	BSCHPD75G	BACHPD75G

Rounded top Chateauneuf

Châteauneuf			Fixed	Removable
Commercial reference				
Diameter	Height from the ground	Weight	Codes	Codes
120	550	17 kg	BSCHTD55F	BACHTD55F
120	550	18 kg	BSCHTD55G	BACHTD55G
120	750	22 kg	BSCHTD75F	BACHTD75F
120	750	22 kg	BSCHTD75G	BACHTD75G
120	950	27 kg	BSCHTD95G	BACHTD95G
120	750	26 kg	BSCLPD75G	BACLPD75G

Non contractual images

Ovalie
Fixed and
removable bollards

Fixed bollards are used in both public and private settings to restrict traffic flows, parking or simply to protect areas from vehicle access where these are not authorised. Urbaco uses cast iron, steel and inox steel to make its products. Removable bollards and posts are a simple, economical and effective way of managing access-ways that are only occasionally opened.

Ovalie

This model, with its modern, simple design fits perfectly into any urban setting. It essentially features an oval shape which gives it an elegant silhouette, which fully respects Urbaco's solidly built product.

Fixed bollard

Removable bollard

Example of a removable bollard

1. Release   2. Turn   3. Remove

Models

The Ovalie model is sold in grey, laminated and nodular, 11 mm thick cast iron.
- 1 one size only: 120 mm x 80 mm
- 2 heights: 500 mm and 750 mm

Surface finish and colours

Zinc is the primary standard coating which provides better adherence for the finishing coat, using a powder based, polyester thermo-hardening matt varnish, in standard RAL 7016 dark grey

The Urbaco patented Fixator® system consists of manually removable bollards. Once the bollard has been removed, a cover frees the way and area. The Fixator® is cemented to the ground. Its resistance to impacts depends on how well it is fixed to the ground and the dimensions of the installation area
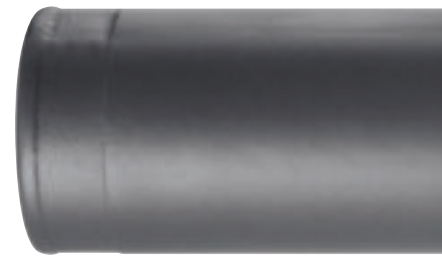
*G Nodular cast Iron (SG)
*F Lamellar cast iron (LG)

Ovalie			Fixed	Removable
Commercial reference				
Diameter	Height from the ground	Weight	Codes	Codes
120	500	14 kg	BSOVLD50G	BAOVLD50F
120	750	20 kg	BSOVLD75G	BAOVLD75F

Arlesiennes
Fixed and
removable bollards

1. Release   2. Turn   3. Remove

Fixed bollards are used in both public and private settings to restrict traffic flows, parking or simply to protect areas from vehicle access where these are not authorised. Urbaco uses cast iron, steel and inox steel to make its products. Removable bollards and posts are a simple, economical and effective way of managing access-ways that are only occasionally opened.

Arlésiennes
Architects prefer this model, for French buildings due to its timeless, classic yet contemporaty design. Urbaco's Arlesienne bollard, already installed in several prestigious sites, can also be fitted with a chain.

Models

Sold in two different models. Either grey or nodular 11mm thick cast iron.
- 2 diameters: 180 mm, 240 mm
- 2 heights: 600 mm, 700 mm

Surface finish and colours

Zinc is the primary standard coating which provides better adherence for the finishing coat, using a powder based, polyester thermo-hardening matt varnish, in standard RAL 7016 dark grey

Fixed bollard to be bolted

The Urbaco patented Fixator® system consists of manually removable bollards. Once the bollard has been removed, a cover frees the way and area. The Fixator® is cemented to the ground. Its resistance to impacts depends on how well it is fixed to the ground and the dimensions of the installation area

Arlésiennes			Fixed	Removable	To be bolted
Commercial reference					
Diameter	Height from the ground	Weight	Codes	Codes	Codes
240	700	32 kg	BSALSE70F	BAALSE70F	-
240	700	33 kg	BSALSE70G	BAALSE70G	-
240	900	45 kg	-	-	BBALSE90F
180	600	24 kg	BSALSD60F	BAALSD60F	-
180	600	25 kg	BSALSD60G	BAALSD60G	-
155	290	12 kg	BSALSD29G	BAALSD29G	-

*G Nodular cast Iron (SG)
*F Lamellar cast iron (LG)

Option version
with rings and chains

Non contractual images

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Cabestan Fixed and removable bollards

Fixed bollards are used in both public and private settings to restrict traffic flows, parking or simply to protect areas from vehicle access where these are not authorised. Urbaco uses cast iron, steel and inox steel to make its products. Removable bollards and posts are a simple, economical and effective way of managing access-ways that are only occasionally opened.

Cabestan
The particularly attractive and orginal shape of the Cabestan model make it a "best seller" among the classics. It comes in several heights and is especially suited and appreciated by coastal cities for use on watefronts, ports, dams and other waterways, canals and lakes.

Example of a removable bollard

1. Release   2. Turn   3. Remove

The models

It is sold in 4 different models.
In grey or nodular cast iron to be cemented or removable:
- diameters: 270 mm (for the Cabestan bollard, height 310 mm and 250 mm
- 4 heights: 310 mm, 380 mm and 470 mm and 740 mm

Surface finish and colours

Zinc is the primary standard coating which provides better adherence for the finishing coat, using a powder based, polyester thermo-hardening matt varnish, in standard RAL 7016 dark grey

The Urbaco patented Fixator® system consists of manually removable bollards. Once the bollard has been removed, a cover frees the way and area. The Fixator® is cemented to the ground. Its resistance to impacts depends on how well it is fixed to the ground and the dimensions of the installation area

Cabestan			Fixed	Removable
Commercial reference				
Diameter	Height from the ground	Weight	Codes	Codes
270	310	28 kg	BSCBTF31F / G	BACBTF31F / G
250	380	29 kg	BSCTBF38F	BACTBF38F
250	470	35 kg	BSCBTF47F / G	BACBTF47F / G
250	570	44 kg	BSCBTF57F / G	BACBTF57F / G

310 mm   380 mm   470 mm   570 mm

Spheres and Demi-Spheres Fixed and removable bollards

1. Release

2. Turn

3. Remove

Bollards are used in both public and private settings to restrict traffic flows, parking or simply to protect areas from vehicle access where these are not authorised. Urbaco uses cast iron, steel and inox steel to make its products. Removable bollards and posts are a simple, economical and effective way of managing access-ways that are only occasionally opened.

Sphère
Well rounded, the Sphere and Demi-sphere models are suitable in any setting, whether current or classic. They give the city a soft, attractive touch along river banks and passage ways.

Models
It comes in 5 different models. Grey or nodular cast iron
- 4 diameters: 200 mm, 250 mm, 300 mm and 400 mm
- 4 heights from the goround: 100 mm, 250 mm, 300 mm and 400 mm

Surface finish and colours
Zinc is the primary standard coating which provides better adherence for the finishing coat, using a powder based, polyester thermo-hardening matt varnish, in standard RAL 7016 dark grey

The Urbaco patented Fixator® system consists of manually removable bollards. Once the bollard has been removed, a cover frees the way and area. The Fixator® is cemented to the ground. Its resistance to impacts depends on how well it is fixed to the ground and the dimensions of the installation area

*G Nodular cast iron (SG)
*F Lamellar cast iron (LG)

Sphere diameter 250 mm, is only available in the fixed version

Sphere diameter 300 mm

Sphere diameter 400 mm

Sphères			Fixes	Removable	Type
Commercial reference					
Diamètre	Hauteur hors sol	Poids	Codes	Codes	Codes
400	200	24 kg	BSDMSH	-	Demi-sphère
400	400	46 kg	BSSPHG40F	-	Sphère
300	300	34 kg	BSSPHG30G	BASPHG30G	Sphère
250	250	10,2 kg	BSSPHG25F	-	Sphère
200	100	5,3 kg	BSDMSE	-	Demi-sphère

made of aluminium alloy

Demi-sphère diameter 200 mm

Demi-sphère diameter 400 mm

Non contractual images

Vendôme
Fixed and
removable bollards

Bollards are used in both public and private settings to restrict traffic flows, parking or simply to protect areas from vehicle access where these are not authorised. Urbaco uses cast iron, steel and inox steel to make its products. Removable bollards and posts are a simple, economical and effective way of managing access-ways that are only occasionally opened.

Vendôme
The Vendôme model is ideal in modern, contemporary architectural settings. It fits perfectly in historical town centres and areas subjected to corrosive agents. It is also ideal for indoor decorating.

Models
It comes in two models, 1.5 mm thick Inox 316L
- with lock on the bollard (new range)
- with lock on ground
- 4 diameters: 155 / 22 / 220 / 250 mm
- 2 heights: 500 / 750 mm

Surface finish and colours
Made of Inox 316L the Vendôme posts and bollards are finished in PG 320 and one passivation

Ground lock system

Lock system from the top of bollard

Vendôme			Fixed	Removable
Commercial reference				
Diameter	Height from the ground	Weight	Codes	Codes
155 mm	500 mm	-	BSVDMD50I	BAVDMD50I
155 mm	750 mm	-	BSVDMD75I	BAVDMD75I
200 mm	500 mm	-	BSVDME50S**	BAVDME50S**
200 mm	750 mm	-	BSVDME75S**	BAVDME75S**
220 mm	500 mm	-	BSVDME50I	BAVDME50I
220 mm	750 mm	-	BSVDME75I	BAVDME75I
250 mm	500 mm	-	BSVDMF50S**	BAVDMF50S**
250 mm	750 mm	-	BSVDMF75S**	BAVDMF75S**

**New Range

Some Vendôme models are also available with the rounded top. Ask us.

Mistral
Fixed bollard

Bollards are used in both public and private settings to restrict traffic flows, parking or simply to protect areas from vehicle access where these are not authorised. Urbaco uses cast iron, steel and inox steel to make its products. Removable bollards and posts are a simple, economical and effective way of managing low-volume access-ways on a low budget.

Mistral
Its sombre, neutral design and its perfectly smooth surface make Mistral the model which discretely fits into any context, regardless of any architectural or urban planning requirements. Discretion and efficacy are its strong points.
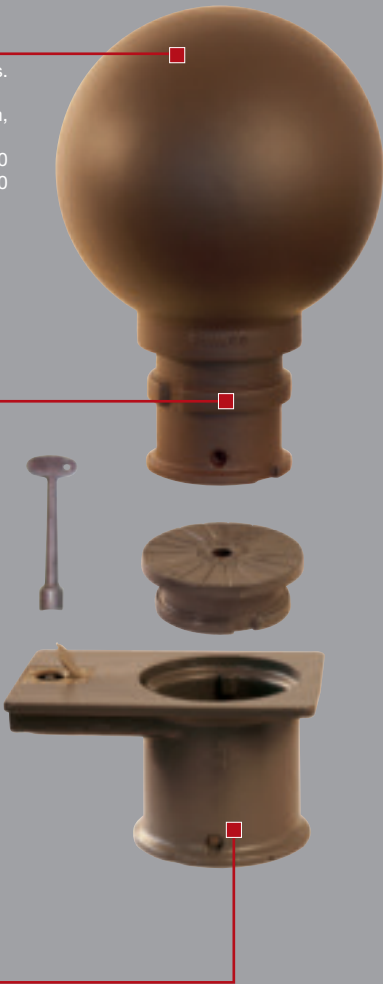
Surface finish and colours
Zinc si the primary standard coating which provides better adherence fo the finishing coat, using a powder based, polyester thermo-hardening matt varnish, in standard RAL 7016 dark grey
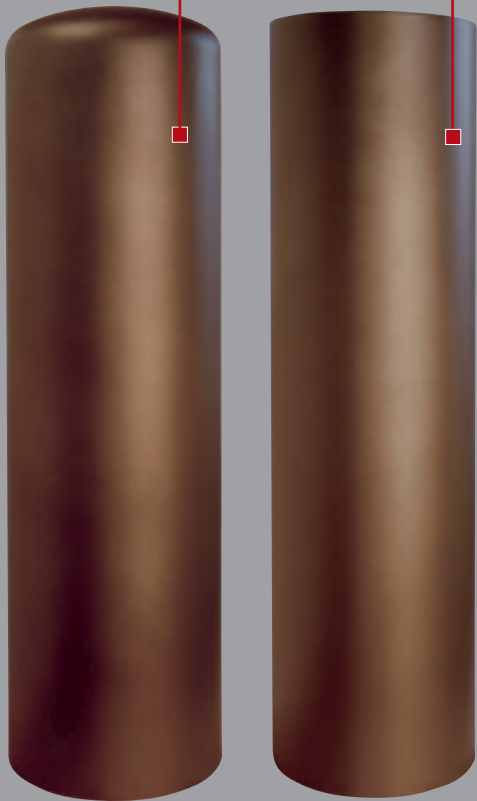
One model, two different aesthetic approaches: flat top, rounded top.
The Mistral bollard is employed to protect shop windows and glass panes against ramming vehicles. Thanks to its structure, the part below ground is as important as the one above ground.

Mistral				Fixed
Commercial reference				
Diameter	Height from the ground	Total height	Weight	Codes
139	900	1200	17 kg	BSMISD90AB*
193	500/600	750	29 kg	BSMISE50AB*
244	500/600	750	33 kg	BSMISF50AB*
139	900	1200	17 kg	BSMISD90AP**
193	500/600	750	29 kg	BSMISE50AP**
244	500/600	750	33 kg	BSMISF50AP**
244	900	1200	53 kg	BSMISF90AB*
244	900	1200	53 kg	BSMISF90AP**

*rounded top
**flat top

Non contractual images

For urban décor	
Other RAL colours	
TPRALMOB	RAL 4 numbers

Street furniture

The Urbaco range of outdoor furniture is made up of posts, benches, litter bins and tree-grilles made to easily and harmoniously fit into any urban setting.
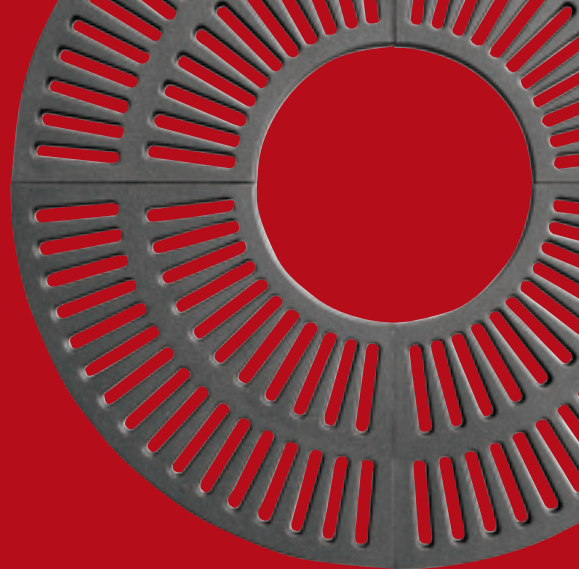
Rond à Boule
(Rounded ball-topped)
Fixed and
removable posts

A timeless classic, elegant, discreet and sombre, the Rond à Boule model can be used alone or as a barrier support… suitable for any setting, it couples well with any pre-existing urban décor, or with other ranges, tying it all together from an aesthetic point of view. It's height guarantees high-visibility for pedestrians and drivers. The reduced overall dimensions on the ground leaves more space for pedestrians.

Standard fixed bollard

White "a boule" fixed post

Removable post
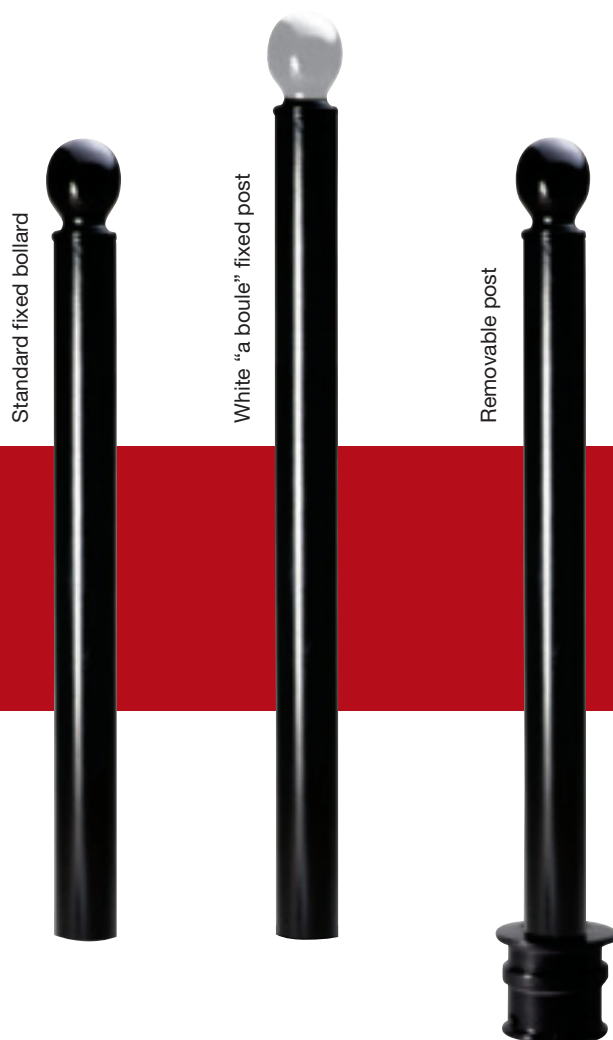
Standard post colour:
Dark grey RAL 7016
Item code TPUGU
Other RAL Colours - see page 66

Accessories:
Keys - see page 68
Rings and chains - see page 69
Sleeves - see page 68
Fixator® Cover - see page 68

Standard colour of the Fixator®:
RAL 7043 OPACO

Option, top varnish white:
ref. PORALPMR

standard

FIXATOR®		
	Print	Code article
Fixator® supplied with release and key but without cover	Triangle 11	BOFIXP11S
	Triangle 14	BOFIXP14S
	Demi Lune	BOFIXPDLS
	Customised A	BOFIXPSAS
Fixator® without release		BOFIXCS
cover		BOFIXCOF

Fixed Rond a Boule models		
Diameter (D)	Height from the ground (H)	Code
76 mm	900 mm	PSPAB90
76 mm	1100 mm	PSPABA1
76 mm	1200 mm	PSPAB1250
Removable Rond a Boule models		
Diameter (D)	Height from the ground (H)	Code
76 mm	900 mm	PAPAB90
76 mm	1100 mm	PAPABA1
76 mm	1200 mm	PAPAB1250

Fixed		
Weight	Material	Thickness
from 6 to 8 kg	Boule in nodular cast iron and steel tube	3 mm

Removable		
Weight	Material	Thickness
from 11 to 12 kg	Nodular cast iron and steel	3 mm

Champs Elysées Fixed and removable posts

A great elegant classic, the Champs Elysées model is up to par in any historical neighbourhood. The finesse and soundness of its design are appreciated especially in high density urban setting. Its height guarantees high-visibility for pedestrians and drivers alike. Its reduced overall dimensions on the ground leave more room for pedestrians.

Standard fixed post

White "à boule" fixed post

Removable post

Standard colour of the post:
Dark grey RAL 7016
Item code TPUGU
Other RAL colours - see page 66

Standard colour of the Fixator®:
RAL 7043 OPACO

Accessories:
Keys - see page 68
Sleeve - see page 68
Fixator® Cover - see page 68

Option, white head varnish:
ref. PORALPMR

standard ●

FIXATOR®		
	Print	Code article
Fixator® supplied with release and key but without cover	Triangle 11	BOFIXP11S
	Triangle 14	BOFIXP14S
	Demi Lune	BOFIXPDLS
	Customised A	BOFIXPSAS
Fixator® without release		BOFIXCS
cover		BOFIXCOF

Fixed Champs Elysées models		
Diameter (D)	Height from the ground (H)	Code
60 mm	750 mm	PSPCEA75
60 mm	900 mm	PSPCEA90
60 mm	1100 mm	PSPCEAA1
60 mm	1200 mm	PSPCEAA2

Removabel Champs Elysées models		
Diameter (D)	Height from the ground (H)	Code
60 mm	750 mm	PAPCEA75
60 mm	900 mm	PAPCEA90
60 mm	1100 mm	PAPCEAA1
60 mm	1200 mm	PAPCEAA2

Fixed		
Weight	Material	Thickness
from 10 to 12 kg	Boule in nodular cast iron and steel tube	1/2 solid, 1/2 hollow 3 mm

Removable		
Weight	Material	Thickness
from 15 to 17 kg	Nodular cast iron and steel	1/2 solid, 1/2 hollow 3 mm

Non contractual images

Demoiselle
Fixed and
removable posts

A "Classic" line model in "Modern" style, thanks to its sombre, elegant and sleek design, the Demoiselle post naturally fits in a variety of settings, whatever the architectural and urban design requirements may be.

fixed post

removable post
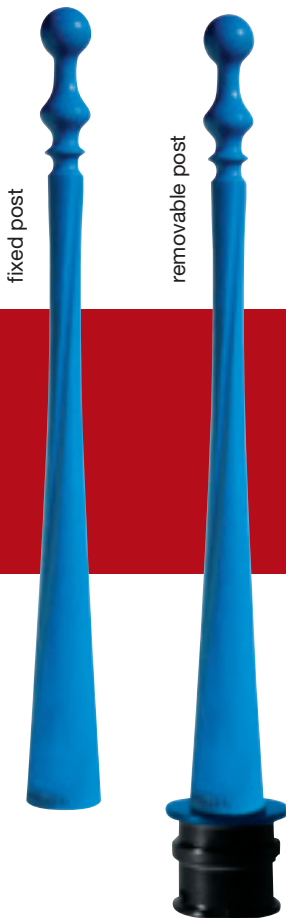
Accessories:
Keys - see page 68
Sleeves - see page 68
Fixator® Cover - see page 68

Standard colour of the post:
Dark grey RAL 7016
Item code TPUGU
Other RAL colours - see page 66

Standard colour of the Fixator®:
RAL 7043 MATT

FIXATOR®		
	Print	Code
Fixator® supplied with release, key but without cover	Triangle 11	BOFIXP11S
	Triangle 14	BOFIXP14S
	Demi Lune	BOFIXPDLS
	Customised A	BOFIXPSAS
Fixator® supplied without release or cover		BOFIXCS
cover		BOFIXCOF

standard ●

Fixed Demoiselle models		
Diameter (D)	Height from the ground (H)	Code
90 mm	900 mm	PSDMLC90F

Fixed		
Weight	Material	Thickness
22 kg	Lamellar cast iron	SOLID

Removabel Demoiselle models		
Diameter (D)	Height from the ground (H)	Code
90 mm	900 mm	PADMLC90G

Removable		
Weight	Material	Thickness
27 kg	Nodular cast iron	SOLID

Vendôme Fixed and removable posts

fixed post

removable post with ground lock

removable posts with lock on post

Fixed Vendôme models		
Diameter (D)	Height from the ground (H)	Code
60 mm	750 mm	PSVDMA75
76 mm	750 mm	PSVDMB75S*
76 mm	900 mm	PSVDMB90S*
104 mm	750 mm	PSVDMC75
104 mm	900 mm	PSVDMC90
114 mm	500 mm	PSVDMD50S*
114 mm	750 mm	PSVDMD75S*

Weight	Material	Thickness
from 3 to 6 kg	STAINLESS STEEL 316L	1,5 mm

Removable Vendôme models		
Diameter (D)	Height from the ground (H)	Code
76 mm	750 mm	PAVDMB75S*
76 mm	900 mm	PAVDMB90S*
114 mm	750 mm	PAVDMD75
114 mm	900 mm	PAVDMD90
114 mm	500 mm	PAVDMD50
114 mm	500 mm	PAVDMD50S*
114 mm	750 mm	PAVDMD75S*

Weight	Material	Thickness
from 3 to 6 kg	STAINLESS STEEL 316L	1,5 mm

*New range

Non contractual images

Mistral
Fixed posts

Its sombre, neutral design and its perfectly smooth surface make Mistral the model suitable for any setting, whatever the architectural and urban design requirements may be. Discretion and efficacy are its strong points.
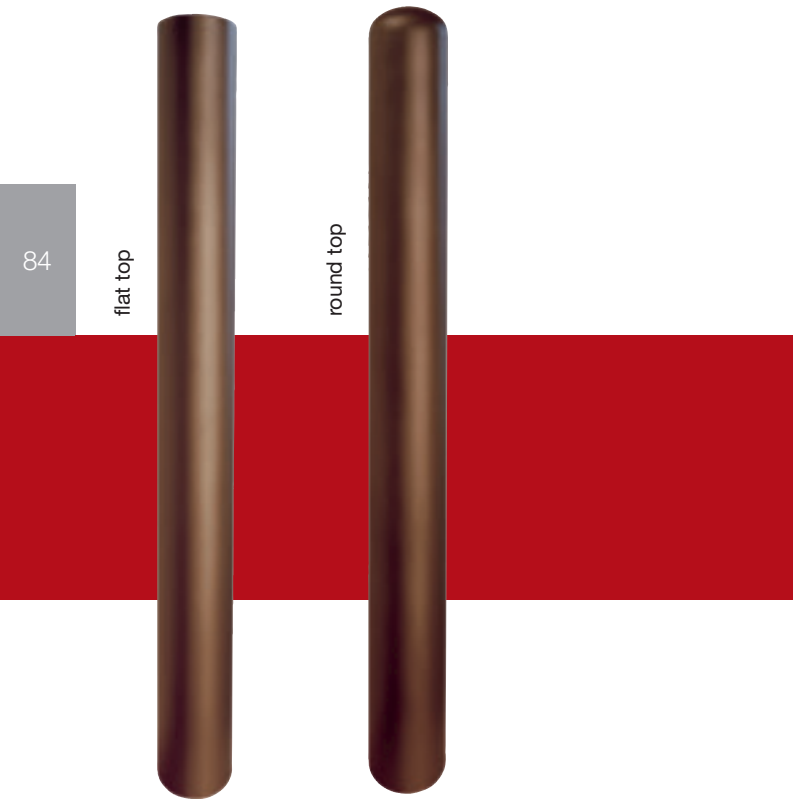
flat top

round top

Mistral models		
Diameter (D)	Height from the ground (H)	Code
Flat top		
76 mm	900 mm	PSMISB90AP
88 mm	900 mm	PSMISC90AP
Rounded top		
76 mm	900 mm	PSMISB90AB
88 mm	900 mm	PSMISC90AB

Weight	Material	Thickness
from 7 to 9 kg	Steel	3 mm

Street caps

The purpose of these caps, or zebra X-ing nails, is to restrict street areas: pedestrian passage-ways, parking areas, driving areas, etc... They are fixed using resin and glue after perforating the road surface.

Non contractual images

Aluminium caps Diameter 100

Stainless steel caps Diameter 115

Caps		
Diameter (D)	Material	Code
100 mm	Stainless steel 304 L	MCLU100I
115 mm	Stainless steel 304 L	MCLU115I
145 mm	Stainless steel 304 L	MCLU145I
160 mm	Stainless steel 304 L anti-dérapant	MCLUADI

Caps		
Diameter (D)	Material	Code
180 mm	Stainless steel 304 L	MCLU180I
100 mm	Aluminium	MCLU10A
100 mm	Fonte	MCLU10F
100 mm	Bronze	MCLU10BR

other diameters are available

Non contractual images

Concerto
Wooden Benches

The seat and back-rest of the Concerto benches are made up of 7 exotic hardwood, treated slats having a 70 x 34 mm section, rounded profiles, which are screwed onto two feet made of steeled cast iron, which in turn are joined by a bolted cross bar. They are fixed to the ground using fixing bars.

H

L

La
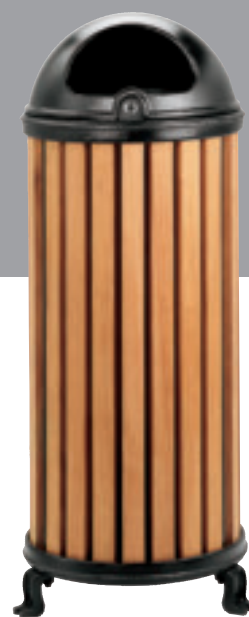
coordinated bin, see page 90

Wooden Concerto benches					
Description	Height (H)	Length (L)	Width (La)	Weight	Code
Concerto Solo wood slats	730 mm	550 mm	480 mm	50 kg	MBCCTLB1G
Concerto Duo wood slats	730 mm	1.050 mm	480 mm	55 kg	MBCCTLB2G
Concerto Trio wood slats	730 mm	1.600 mm	480 mm	63 kg	MBCCTLB3G
Concerto Quatuor wood slats	730 mm	2.000 mm	480 mm	72 kg	MBCCTLB4G

Accessories	Standard colour: RAL 9005 black - Matte - Other RAL colours - ref. TPRALMOB

Concerto Benches
with steel slats

The seat is made of steel slats. Two steeled cast iron feet joined by a bolted cross bar. They are fixed to the ground using fixing bars. Featuring powder, polyester, thermo-hardening varnish, in RAL 9005 black colour. Other colours are available.

coordinated bin

Concerto benches with steel slats					
Description	Height (H)	Length (L)	Width (La)	Weight	Code
Concerto Duo steel slats	730 mm	1.050 mm	480 mm	55 kg	MBCCTLA2G
Concerto Trio steel slats	730 mm	1.600 mm	480 mm	72 kg	MBCCTLA3G
Concerto Quatuor steel slats	730 mm	2.000 mm	480 mm	80 kg	MBCCTLA4G

Accessories	Standard colour: RAL 9005 black - Matte - Other RAL colours - ref. TPRALMOB

Non contractual images

Concerto Steel sheet Benches

Perforated sheet seat. Two steeled cast iron feet, joined by a bolted cross bar. Fixed to the ground with fixing bars. The main standard coating is zinc finished with a matt, thermo-hardening polyester powder varnish in standard RAL 7016 matt green. Other colours are also available.
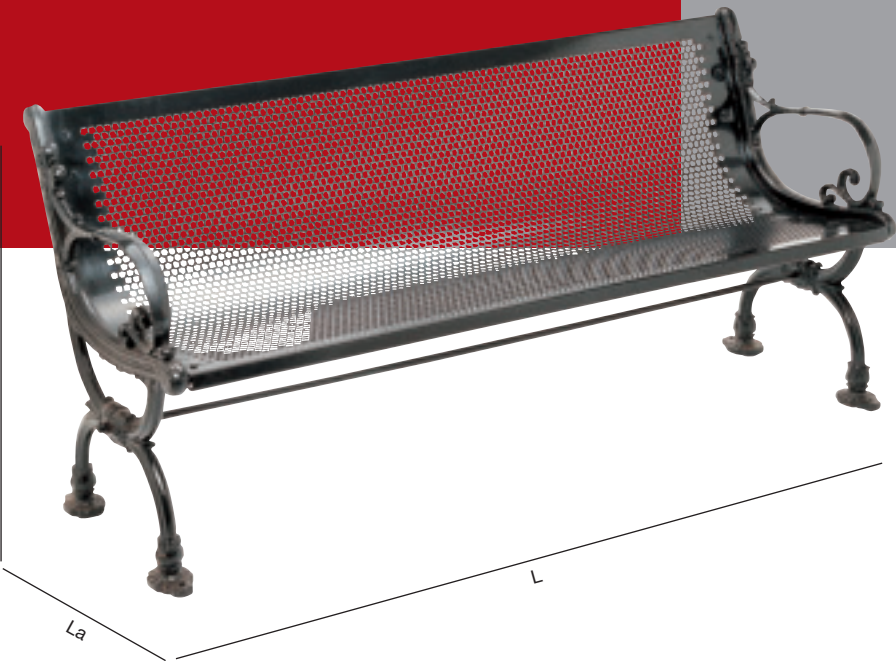
Concerto benches with steel sheet					
Commercial description	Height (H)	Length (L)	Width (La)	Weight	Code
Concerto Trio steel sheet	730 mm	1.600 mm	480 mm	62 kg	MBCCTTA3G

Accessories	Standard colour: RAL 6009 green - Other RAL colour - ref. TPRALMOB

Belle France Bin

The all rounded bin; semi-spherical aluminium cover, cylindrical body in Ø 410 mm, 10 mm thick, welded to a cyclindrical steel foot. Overhead and back opening of the cover. It is supplied with a galvanized steel, 90 L bucket. It is fixed to the ground with Ø 12 mm galvanized steel fixing bars. The main standard coating is zinc which provides better grip for the final finish, which is RAL 7016 dark grey, matt, thermo-hardening, polyester powder.

Non contractual images

Belle France bin					
Commercial description	Height (H)	Diameter	Capacity	Weight	Code
BELLE FRANCE bin	1.020 mm	410 mm	90 l	40 kg	MCBFR90

Accessories	Standard colour: RAL 7016 structured grey - Other RAL colours - ref TPRALMOB

Non contractual images

Concerto bin

Cylindrical cast iron bin with exotic wooden slats. Perforated feet and circular frame made of die-cast iron. Its cover is 7 mm thick, featuring ribbed aluminium-alloy hinges. Lock and key are made of stainless steel. It features hard, exotic wooden side slates. It is supplied with a 56 to 90 L galvanised steel bucket. It is fixed to the ground with Ø 12 mm galvanised steel fixing bars. Varnished with oven baked polyester powders. You choose the RAL colour you like.

H

D

H

D

New

Concerto bin					
Commercial description	Height (H)	Diameter	Capacity	Weight	Code
Concerto bin 65 l - steel	900 mm	425 mm	65 l	44 kg	MCCCT65AM
Concerto bin 65 l - wood	900 mm	425 mm	65 l	38 kg	MCCCT65M
Concerto bin 90 l - steel	1.100 mm	425 mm	90 l	53 kg	MCCCT90AM
Concerto bin 90 l - wood	1.100 mm	425 mm	90 l	46 kg	MCCCT90M

Accessories	Standard colour: RAL 6009 green mat - Other RAL colours - code TPRALMOB

Méditerranée Grille

It is made up of 4 cast iron pieces assembled with the "GRIP Urbaco" system, having an average thickness of 20 mm. It can be installed using a galvanised steel support, which is sold separately, or directly fixed at ground level. Varnished with a steel grey, oven-baked, polyester powder. Available also in other RAL colours. The grilles are also galvanised.
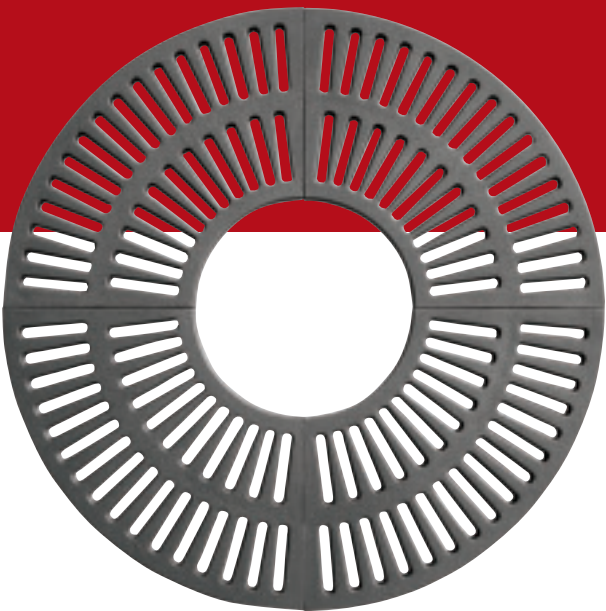
Among the accessories available there is also a round support for this type of grille. The item code for the Méditerranée grille support is: MGMDTSB1.

Méditerranée tree grille				
Commercial description	External diameter	Internal diameter	Weight	Code
Méditerranée tree grille	1.250 mm	450 mm	106 kg	MGMDTGB1G

Accessories	Coloris standard black: RAL steel grey - Other RAL colours - code TPRALMOB

Concerto Grille 1250

It is made up of 4 cast iron pieces assembled with the "GRIP Urbaco" system, having an average thickness of 20 mm. It is installed using a support which is sold separately, or directly at ground level. Varnished with a steel grey, oven-baked, polyester powder. Available also in other RAL colours.

URBACO© "GRIP" System

Support for Concerto grille 1.250
item code MGCCTSB2

Concerto Tree Grille 1250				
Commercial description	External diameter	Internal diameter	Weight	Code
Concerto Tree Grille 1250	1.250 x 1.250 mm	825 mm	106 kg	MGCCTGB2G

Accessories	Standard colour: black, RAL Steel grey - Other RAL colours - code TPRALMOB

Concerto Grille 1500

It is made up of 4 cast iron pieces assembled with the "GRIP Urbaco" system, having an average thickness of 20 mm. It is installed using a support which is sold separately, or directly at ground level. Varnished with a steel grey, oven-baked, polyester powder. Available also in other RAL colours.

URBACO© "GRIP" System

Support for Concerto grille 1.500
item code MGCCTSC2

Concerto Tree Grille 1500				
Commercial description	External diameter	Internal diameter	Weight	Code
Concerto Tree Grille 1.500 mm	1.500 x 1.500 mm	825 mm	140 kg	MGCCTGC2G

Accessories	Standard colour: black, RAL Steel grey - Other RAL colours - code TPRALMOB

Non contractual images

Automatic flower pots

This is the mobile barrier which is revolutionising the closing systems of restricted access pedestrian zones, allowing easy access to authorised people and vehicles, when retractable bollards cannot be installed. It is made to be compliant with the current laws, and complies with CEE 98/37 machine directive and CE law. It is protected by an Italian and international patent. With automatic, or manual opening, you may choose among a vast range of models which differ amongst themselves in terms of aesthetics and type of application.

The flower pot is available in the manual version as well

1. Manual release system
2. Released flower pot
3. Blocked flower pot
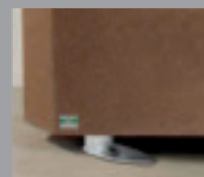
The latest to be born of the line, it features a new octagonal design of its pivot pin and flower pot. It is perfectly suited for historical town centres while blending in perfectly with modern architectural settings. It is delivered already assembled and wired, and works via radio command and is ready to connect up to the main power cable. It is equipped with an autonomous security system: a highly luminous LED signalling and acoustic warning system, courtesy photocells which trigger the inversion of direction when an obstacle is present, plus is also has mechanical safety endstops.

closed barrier

open barrier

Automatic flower pots		
Model	230V motor	24V motor
Concrete Flower pot	MJOTTN0A1	MJOTTN0A2
Concrete support + steel barrier	MJOTTA0A1	MJOTTA0A2
Steel support can be customised upon request	MJOTTP0A1	MJOTTP0A2

Option for customisable pot: code art. COJARD

CARACTÉRISTIQUES TECHNIQUES		
Protection rating	IP54	
Operating temperature (T° max / T° min)	-20°C min. +55°C max	
Rotation speed	28 sec.	
Control board power supply	230 V - 50/60 Hz	
Motor power supply	24 V	230 V with thermal protection device
Power	240 W	450 W
Current draw	12 A max.	3 A
Total weight	485 Kg	

94

Urbaflow, electromechanical turnstile with tripod arm

Urbaflow is an electromechanical tripod turnstile having a sombre design an contained dimensions. A simple yet effective conveying system to control pedestrian flows. It can be programmed so as to allow access only to those users who insert a coin, token, ticket or who use a magnetic card. Urbaflow is equipped with a counter to log the number of passages. After paying the predetermined amount, the turnstile automatically release thus giving access (such as in public transport); it can also be used to restrict access only to authorised persons (i.e. entrance to reserved areas). In gyms, sports centres, swimming pools, fitness centres or game parks, the turnstile is normally managed by a magnetic or optical reader to clear the ticket. It can also be activated by person who check tickets.

Advanced functions and ease-of-use.
• Selective bi-directional mechanism with hydraulic decelerator which slows down the rotation to limit the stop
• Its command logic is ready to monitor passages upon a release signal
• Automatic release of the tripod in case of black-outs
• Mechanism, programme and control logic are located inside the easy-access cover. Its control logic is compatible with various command accessories such as: control panel, token slot, magetic/proximity reader or other
• Device which prevents rotation inversion
A mechanical device which ensure a complete rotating cycle

Glossy finish, steel structure

Display

Removable top cover with key lock

Structure and side legs made of AISI 304 stainless steel. Removable carters are also available as spares

3, 120-degree arms, Made of AISI 304 stainless steel, Glossy finish

Aluminium top with glossy finish

Cable passage under the side legs
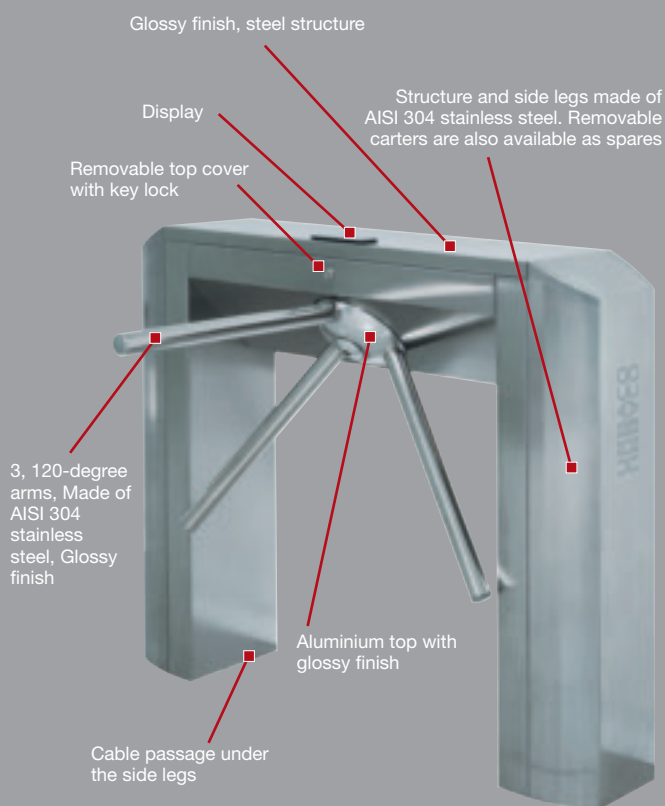
Resistant structure and easy application

Resistant structure and easy application
• Rounded corners and edges for an ideal and safe automation in any context
• Structure resistant to any tampering and vandalism
• Top cover fitted with a key lock. The internal part is ready to house electronic control gear
• Removable structure shoulders with open cover to facilitate installation
• Standard supply 24V D.C. transformer

Turnstile with tripod arm	
Commercial description	Code
Turnstile with tripod arm	MTURBFA1

Public Ashtray

A sombre design to place attention on the product's functionality. Its elegant shape, which reminds of the silouhette of a cigarette, discreetly fits into any smoking designated setting! Its shape and materials are suitable for any urban context, whether modern or classic. Made of 304L stainless steel, this outdoor ashtray is offered in two versions, bollard or wall mounted.

Outdoor ashtray				
Model	Diameter	Height from the ground	Weight	Code
Bollard version	140 mm	1100 mm	13,1 kg	CENDINOX
Wall-mounted version	140 mm	600 mm	6,5 kg	CENDINOXM

Key for energy dispensing units

Service and personalised keys

The Tradition and Génération 6 mechanical, retractable bollards are made up of four elements: the case, cover, sliding railand bollard head, each being die-cast into a single piece of nodular cast iron. An Urbaco Monobloc® patent.

Keys		
Item code	**BOCLESL11**	Print TRIANGLE 11 mm
Item code	**BOCLESL14**	Print TRIANGLE 14 mm

Codes	E11	E14
Material	Cast iron	
Length (mm)	140	140

Release rods ("firefighter" print)

Item code:
BOTIVCP = for a printless lock, with square, firefighter section
BOTIVCPDL = for a half-moon print and square, firefighter section

Release rods (stainless steel)

Energy dispensing units

Invented by Uraco, the Energy dispensing posts can be either fixed or retractable and provide power, liquids or utitlities: water, telephone, compressed air, cable TV, etc.. Doing away with any surface cables, they ensure safety for authorised users.

Two models:
- Retractable energy dispensing posts
- Fixed energy dispensing posts
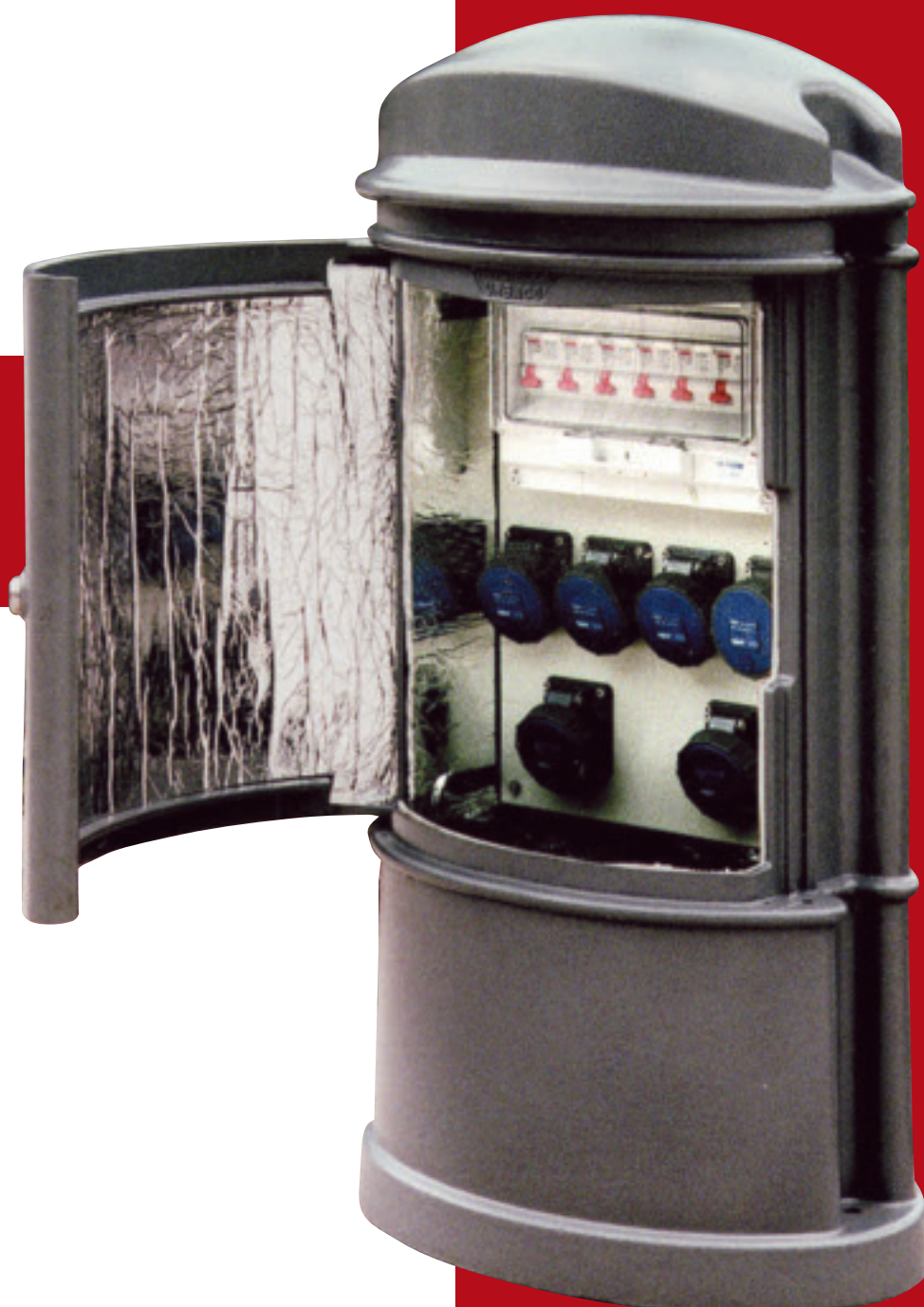
Retractable energy dispensing bollards

The BRDE Energy Dispensing Retractable Bollard was invented by Urbaco to simplify energy distribution and to free the area after use. It provides electricity, telephone lines or water dispensing.

Water-tight cabinet dimensions: 324 x 324 x H 406 mm
Below-ground case dimensions: 420 x 410 x H 670 mm

GALVANISED STEEL LOST CASING
Thickness 1.5 mm L 425 x l 425 x H 700 item code BOCOFF700

Water dispensing

WATER DISPENSING	
No. of valves	Codes
2	DEO02A
4	DEO04A
6	DEO06A

Lost casing   **Code BOCOFF700**

Energy and Telephone Line Dispensing

ENERGY AND TELEPHONE LINE DISPENSING					
Plugs 16A	Plugs 32A	Plugs 63A	Plugs RJ11	Plugs RJ45	Codes
2	1	0	2	0	DEP210P20
2	1	0	0	2	DEP210P02
2	3	0	2	0	DEP230P20
2	3	0	0	2	DEP230P02
5	0	0	2	0	DEP500P20
5	0	0	0	2	DEP500P02
3	2	0	2	0	DEP320P20
3	2	0	0	2	DEP320P02

Lost casing   **Code BOCOFF700**

Energy dispensing

ENERGY DISPENSING			
Plugs 16A	Plugs 32A	Plugs 63A	Codes
12	0	0	DEEC00P
8	0	0	DEE800P
8	1	0	DEE810P
6	1	0	DEE610P
6	2	0	DEE620P
4	2	0	DEE420P
2	3	0	DEE230P
2	2	1	DEE221P
0	4	0	DEE040P
0	3	1	DEE031P
0	0	2	DEE002P

Lost casing   **Code BOCOFF700**

Fixed energy dispensing units

The BFDE Energy Dispensing Fixed Post was created to facilitate multiple 16, 32 and 63 ampere, low-voltage connections. It comes in the simple version (with up to six, 16 A sockets) or double (up to twelve 16 A sockets), in the electricity dispensing version, the water dispensing version and the mixed version: electricity and water. The highly-solid Fixed Energy dispensing unit is long lasting despite being exposed to the elements in public areas.

• Double version
• Simple version

Simple version - energy dispensing

ENERGY DISPENSING			
Plugs 16A	Plugs 32A	Plugs 63A	Codes
3	0	0	DFE300D1
4	0	0	DFE400D1
6	0	0	DFE600D1
2	1	0	DFE210D1
4	1	0	DFE410D1
0	2	0	DFE020D1
2	2	0	DFE220D1
0	3	0	DFE030D1
0	0	1	DFE001D1

Ask us for other configurations

Double Version - Energy Dispensing

ENERGY DISPENSING			
Plugs 16A	Plugs 32A	Plugs 63A	Codes
12	0	0	DFEC00P2
8	1	0	DFE810P2
4	4	0	DFE440P2
0	6	0	DFE060P2
6	0	1	DFE601P2
4	1	1	DFE411P2
2	2	1	DFE221P2
0	3	1	DFE031P2
0	0	2	DFE002P2

Ask us for other configurations

Double version - Energy dispensing fitted to take counter

ENERGY DISPENSING			
Plugs 16A	Plugs 32A	Plugs 63A	Codes
4	0	0	DFE400P1
6	0	0	DFE600P1
4	1	0	DFE410P1
2	2	0	DFE220P1
0	3	0	DFE030P1
0	0	1	DFE001P1

Ask us for other configurations

The electrical counter is NOT supplied for the energy dispensing unit

Non contractual images

Double version - Energy and Water dispensing

ENERGY DISPENSING				
Plugs 16A	Plugs 32A	Plugs 63A	Plugs de vannes	Codes
2	0	0	2	DFE200DE2P2
6	0	0	2	DFE600DE2P2
4	1	0	2	DFE410DE2P2
0	2	0	2	DFE020DE2P2
1	2	0	2	DFE120DE2P2
0	3	0	2	DFE030DE2P2
0	0	1	2	DFE001DE2P2
4	0	0	4	DFE400DE4P2
6	0	0	4	DFE600DE4P2
4	1	0	4	DFE410DE4P2
0	2	0	4	DFE020DE4P2
1	2	0	4	DFE120DE4P2
0	3	0	4	DFE030DE4P2
0	0	1	4	DFE001DE4P2

Ask us for other configurations

Simple version - water dispensing

WATER DISPENSING	
No. of valves	Codes
2	DFOE2P1N
4	DFOE4P1N

Notes

URBACO
AUTOMATIC BOLLARDS

Notes