

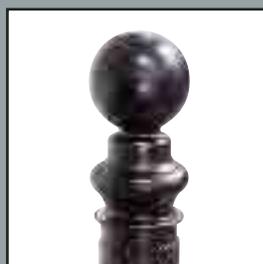
## The standard range



Luxor series  
Automatic retractable bollards



G6 Châteauneuf series  
automatic-mechanical  
retractable bollards



Châteauneuf and Arlésienne  
Fixed and removable bollards



Fixed and retractable  
Energy supply units

Enhancing  
and controlling the spaces of life

# the company Urbaco



## **Enhancing and controlling the spaces of life**

Invented by URBACO in 1984, retractable bollards can be applied in a variety of settings all having a single common denominator, that is, managing one or more accesses: marking a parking area, delimiting a receiving area, access to a company or housing lots, managing pedestrian areas, regulating town flows, anti-intrusion security for sensitive sites or buildings, embassies or private residences.

While constantly evolving, URBACO has deposited 12 international patents and 160 models of bollards.

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# Summary

# Luxor automatic retractable bollards

Luxor is the ideal answer for mass private use and public administration applicative requirements: business centres, supermarket chains, car dealerships, historical centres where elegance cannot forsake public safety and security.

In fact, Luxor's movement is signalled by a double device: that is, luminous and acoustic, to prevent any accidental collisions with pedestrians or bicycles.

In areas where the need to regulate traffic also becomes a question of environmental safeguarding to cut down on exhaust fumes, Luxor becomes environmentally friendly!

Luxor is a high-tech product that associates the traditional URBACO dependability to an excellent price-quality ratio.

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LUXOR SERIES			Pneumatic	
Diameter	Height above ground mm	Weight	Code	Lost casing code
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

## New head design

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

## Illuminated Ring

The new illuminated ring is made up of 12 highly luminous LEDs that warn of the presence of the bollard under any weather conditions, by day or night

## Acoustic signaller

Warning of the bollard's movement is also given by a sound signal so as to prevent collision by any pedestrians that may be transiting in the vicinity of the bollard when it is operating

## Surface finishing

The body varnishing of the bollard comes in all RAL colours and guarantees exceptional colourfastness even under extreme conditions

## Cast iron cover

## Folding lost casing

Made of 10/10 galvanised steel sheeting and can be quickly and easily installed thanks to its reduced weight



# Technical center

The Luxor bollard is engineered to be connected up to Urbaco's new command stations, in Standard or Plus configurations, specifically for retractable, pneumatic bollards.

The new command stations are completely versatile, and can be managed in several installed configurations.

They are protected by the new varnished steel, rust proof cabinet, which is suitable for any weather conditions.

Currently two models are available:

Standard configuration: controls just one access.

Plus configuration: controls more than one bollard for up to 3 accesses.

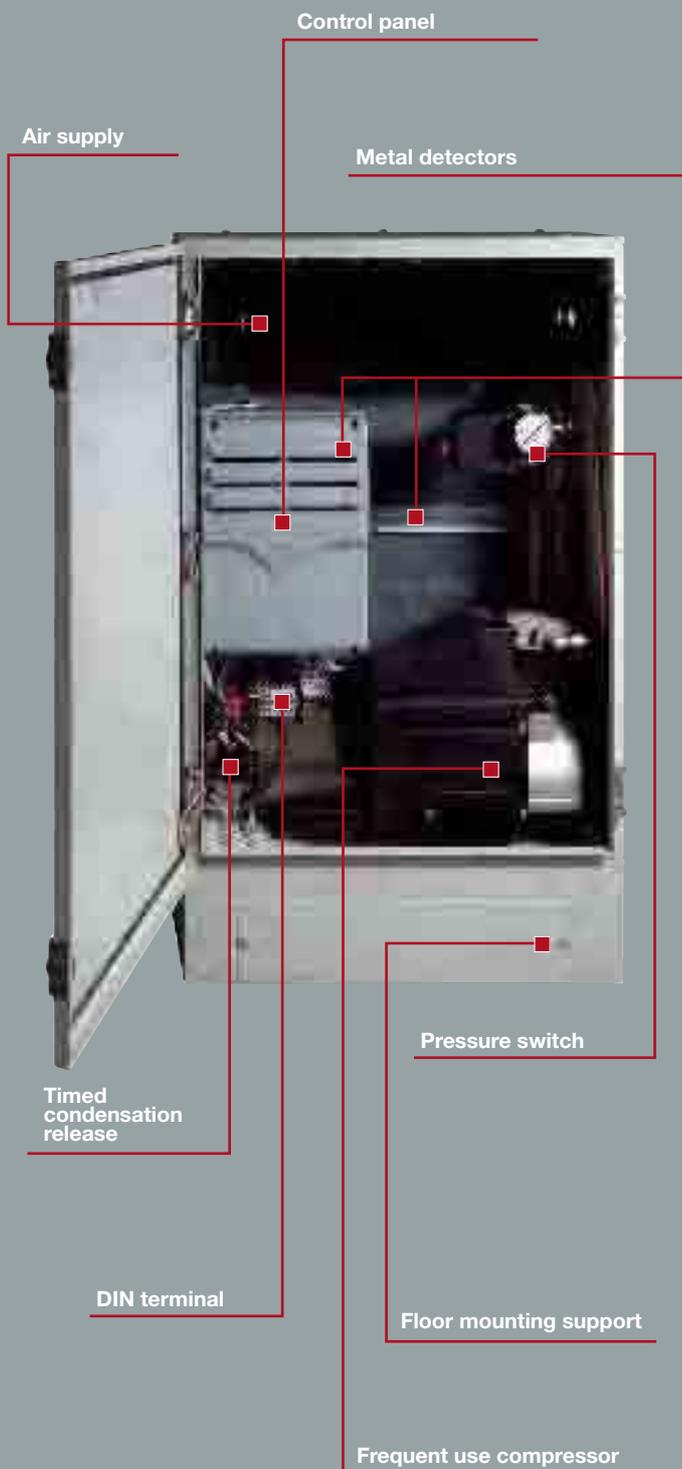


**The standard issue for the technical center includes:**

- New 800 x 600 x 250 mm varnished steel cabinet
- Control panel
- Frequent use compressor
- Air supply rated up to 10 litres with safety valve
- Fitted to take metal mass detectors
- Central pre-cabling
- Built-in radio receiver
- Pressure switch, safety valve and gauge
- 2 bi-channel transmitters
- (U100) End-point timer adjuster
- (U200) Inductive end-points
- (U200) Traffic light manager
- (U200) No-return valve manager

**The following optional accessories are also available:**

- Automatic condensation release valve
- Additional electronic card enables supplementary access control (up to 3 accesses for each Plus command stations)
- Metal mass detectors
- Thermostat and heating element
- Wall mounting screws
- Floor mounting bracket



TECHNICAL CENTER	Code
CT STANDARD (U200)	CC6U100PR
CT PLUS (U100)	CC6U200PR

# G6 automatic retractable bollards

## Châteauneuf model

The retractable bollards are specifically intended to manage accesses to public or private areas.

They come in two versions: BEA (Automatic Retractable Bollards) and BEM (Mechanical Retractable Bollards).

The BEA model retracts into the ground by way of a remote control (proximity card, alphanumeric keyboard, etc), to clear the way. It rises back up automatically after a vehicle has gone over it.

### Generation 6

The sixth generation of URBACO retractable bollards are the fruit of over 20 years of experience and is made up of just three elements: shell, cover and bollard head, each cast into one piece, made of nodular cast iron, free of any easy to wear down parts, featuring a Monobloc® URBACO patent.

#### The model:

- bollard head: Châteauneuf
- 3 diameters: 120 mm, 200 mm, 250 mm
- 1 height: 500 mm
- 1 motor type: electro-pneumatic

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CHÂTEAUNEUF MODEL			Pneumatic	
Diameter	Height above ground mm	Weight	Code	Lost casing code
250	500	113 kg	BPCHF50	BOCOFF671
200	500	87 kg	BPCHE50	BOCOFE654
120	500	54 kg	BPCHD50	BOCOFD667

### Surface finishing

Zinc is the main standard coating, oven heated to 190° to increase its resistance to rust and provide better grip for the finish, which consists of matt thermo-heating polyester powder, in standard (RAL7016) grey

### Optional reflective tape

Visible class II luminous band

### Models

11 mm thick cast iron, for the Châteauneuf model

### Bollard Body

Cast into one block, it has a built in castor and is designed to roll without wear and tear, thus eliminating any maintenance and adjustments. Made of nodular 11 mm thick cast iron which provides great endurance

### Cover

It evenly spreads any energy from collisions with the bollard to contrary components transmitting them to the buried foundation box. A thick plastic ring eases the sliding of the bollard head thus reducing any friction and noise

### Electro-pneumatic motor power

Dependability, simplicity and endurance over time. The motor power comes from low pressure compressed air (more than one bollard can be connected up to a single technical station, with unlimited distance between the bollards and the station

### Casing

It is 24mm thick, and comes with 4 guides and a built-in Monobloc bar which holds fast a hydraulic or pneumatic ram. This guarantees that the guides will remain parallel and will not deform

### Folding lost casing

URBACO's new folding foundation box is supplied already folded, it features a 1.5 mm thick galvanised head. This saves a lot of space and easy stocking. It is indispensable for easy installation and mounting

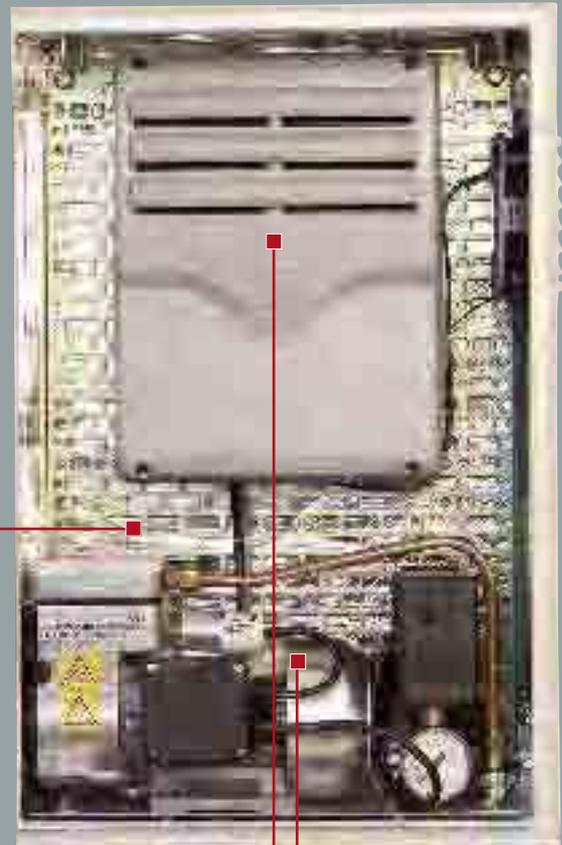


# Micro Technical Center

The standard technical micro-station for frequent use is a management system that receives instructions from a user. The command accessories can be connected up or hooked up to the City 1 or City 2 control terminal. The system can manage the operation of 1 or 2 accesses (an opening or closing order is sent depending on the set parameters) and provides the energy required to operate the bollards (pneumatic compressor).

## Micro technical center casing

Protection rating:	IP44
Power source:	230V mono, 16A + ground
Absorption:	about 2,6 A
Power:	about 500W
Available power:	0
Duty cycle:	100%
Temperature:	-10°C + 55°C
Ventilation:	220V forced
Steel sheeting thickness:	1,5 mm
Dimensions:	600 mm x 400 mm x 250 mm
Insulation:	class 2 acoustic and thermal
Closing:	standard key lock
Wall mounting:	fitted to be wall mounted
Standard colour:	beige 7015



### Internal devices:

- U200 Card
  - URBACO end point management,
  - magnetic coil management,
  - compressor monitoring,
  - managing the dry contact command devices.
- Heating system for bollard (optional)

### Frequent use micro-compressor

For maintenance-free frequently employed electro-pneumatic motor power

This system can manage negative safety

MICRO TECHNICAL CENTER	
<b>MCT STANDARD</b> (without command devices)	Code
A U200 card access without detection	CCE011PU
<b>OPERATING LOGIC</b> (with detection)	
Controlled entry or exit	COU200EOSC
Controlled entry and exit	COU200EOSC
Automatic entry and exit	COU200ECSA
Automatic exit	COU200SA

MICRO TECHNICAL CENTER	
<b>BUILT-IN COMMAND DEVICES</b>	Code
Built-in AF43AS Radio Receiver (unlimited number of transmitters)	COAF43S
Built-in AF43S Radio Receiver (25 rolling code transmitters)	COAF43SR
Built-in RE432 Radio Receiver	CORE432
Built-in RBE4RC Radio Receiver	CORBE4RC
<b>OPTION</b>	
Second access without command devices for U200 card	COU2002A

# G6 Mechanical retractable bollards

## Châteauneuf Model

The retractable bollards are specifically intended to manage accesses to public or private areas.

They come in two versions: BEA (Automatic Retractable Bollards) and BEM (Mechanical Retractable Bollards).

The BEM model is activated using a key that releases the mechanism.

Pressure exerted onto the bollard head makes it retract into the ground; the below-ground locking is automatic.

Then, by turning the key, the bollard, the bollard comes back up again and locks into the up position.

### Generation 6

The sixth generation of URBACO retractable bollards are the fruit of over 20 years of experience and is made up of just three elements: shell, cover and bollard head, each cast into one piece, made of nodular cast iron, free of any easy to wear down parts, featuring a Monobloc® URBACO patent.



1 - UNLOCK

2 - PUSH

3 - RELEASE

CHÂTEAUNEUF MODEL			Pneumatic	
Diameter	Height above ground mm	Weight	Code	Lost casing code
250	500	119 kg	BMCHPF50	BOCOFF671
200	500	83 kg	BMCHPE50	BOCOFE654
120	500	55 kg	BMCHPD50	BOCOFD667

### Surface finishing

Zinc is the main standard coating, oven heated to 190° to increase its resistance to rust and provide better grip for the finish, which consists of matt thermo-heating polyester powder, in standard (RAL7016) grey

### Optional reflective tape

Visible class II luminous band

### Models

11 mm thick cast iron, for the Châteauneuf model.  
- 3 diameters: 120 mm, 200 mm, 250 mm  
- 1 height: 500 mm

### Bollard Body

Cast into one block, it has a built in castor and is designed to roll without wear and tear, thus eliminating any maintenance and adjustments. Made of nodular 11 mm thick cast iron which provides great endurance

### Cover

It evenly spreads any energy from collisions with the bollard to contrary components transmitting them to the buried foundation box. A thick plastic ring eases the sliding of the bollard head thus reducing any friction and noise

### Bronze trap door

Provides protection for the key insertion system

### Inox blocking bar

Comes in several models

### Casing

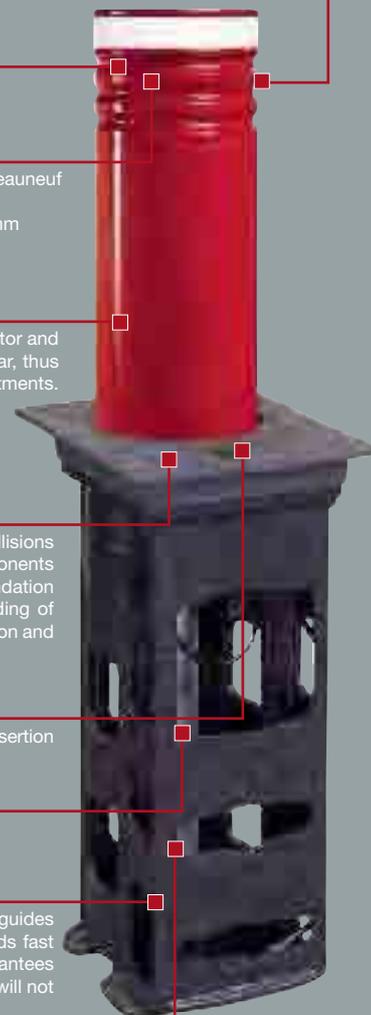
It is 24mm thick, and comes with 4 guides and a built-in Monobloc bar which holds fast a hydraulic or pneumatic ram. This guarantees that the guides will remain parallel and will not deform

### Gas spring

Allows the bollard to rise back up after the mechanism is unlocked with the key

### Folding lost casing

URBACO's new folding foundation box is supplied already folded, it features a 1.5 mm thick galvanised head. This saves a lot of space and easy stocking. It is indispensable for easy installation and mounting



# G6 fixed and removable bollards

## Châteauneuf Model

Fixed bollards are used in both public and private areas limit transit, parking spaces or, simply to protect areas where transit is not allowed.

URABCO products are made of cast iron, steel and stainless steel. Removable bollards are a simple and effective solution to manage low frequency accesses.

They look and exactly like the mechanical and automatic retractable bollards, and thus provide the same aesthetic value for all applications (whether they are used for access control or urban decor) within urban settings, industrial facilities, or parks.

The G6 Châteauneuf model fixed and removable bollards come in the flat head and rounded head versions.

Fixed Bollard



Removable Bollard



1 - UNLOCK



2 - THRUST



3 - RELEASE

FIXATOR		
	Weight	Code
Fixator with T11 lock	8 kg	BOFIXP11S
Lock-free Fixator	5 kg	BOFIXCS
Fixator cover	2 kg	BOFIXCOF

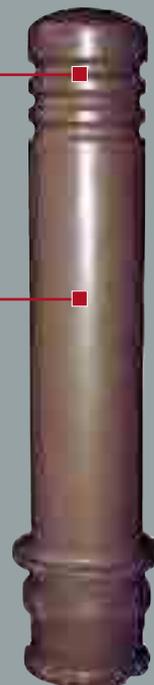
### Models

11 mm thick cast iron, for the Châteauneuf model.

- 3 diameters: 120 mm, 200 mm, 250 mm
- 2 heights: 500 mm, 750 mm

### Surface finishing

The main standard coating consists of matt thermo-heating polyester powder, in standard (RAL7016) grey



The FIXATOR system is an URABCO patent, and enables manual release of a removable bollard. After having removed it, the cover frees the passage way by covering the hole on the ground. Fixator is secured to the ground using cement. It's collision resistance depends on the quality and dimensions of the anchoring



Flat head



Rounded head

FLAT HEAD CHÂTEAUNEUF			Fixed	Removable
Diameter	Height above ground mm	Weight	Code	Code
250	500	53 kg	BSCHPF50G	BACHPF50G
200	500	32 kg	BSCHPE50G	BACHPE50G
120	500	17 kg	BSCHPD50F	BACHPD50G
120	750	24 kg	BSCHPD75F	-

ROUNDED HEAD CHÂTEAUNEUF			Fixed	Removable
Diameter	Height above ground mm	Weight	Code	Code
120	550	18 kg	BSCHTD55F	BACHTD55F
120	750	22 kg	BSCHTD75F	BACHTD75F

# Fixed and removable bollards

## Arlésienne model

Fixed bollards are used in private and public areas to limit transit, parking or, simply to protect areas where transit is not allowed.

URBACO products are made of cast iron, steel and stainless steel. Removable bollards are a simple and effective solution to manage low frequency accesses.

Architects prefer this type of bollard due to its traditional yet always current design.

Urbaco's Arlésienne bollard, can be used with or without a chain.



1 - UNLOCK



2 - TURN



3 - RELEASE

FIXATOR		
	Weight	Code
Fixator with T11 lock	8 kg	BOFIXP11S
Lock-free Fixator	5 kg	BOFIXCS
Fixator cover	2 kg	BOFIXCOF

### Models

There are 2 different models: made of grey, 11 mm thick nodular cast iron.  
 - 2 diameters: 180 mm, 240 mm  
 - 2 height: 600 mm, 700 mm

### Surface finishing

The main standard coating consists of matt thermo-heating polyester powder, in standard (RAL7016) grey



The FIXATOR system is an URBACO patent, and enables manual release of a removable bollard. After having removed it, the cover frees the passage way by covering the hole on the ground. Fixator is secured to the ground using cement. It's collision resistance depends on the quality and dimensions of the anchoring



Optional version with rings and chains

ARLESIIENNE MODEL			Fixed	Removable
Diameter	Height above ground mm	Weight	Code	Code
240	700	32 kg	BSALSE70F	BAALSE70F
180	600	24 kg	BSALSD60F	BAALSD60F

# Retractable energy supply units

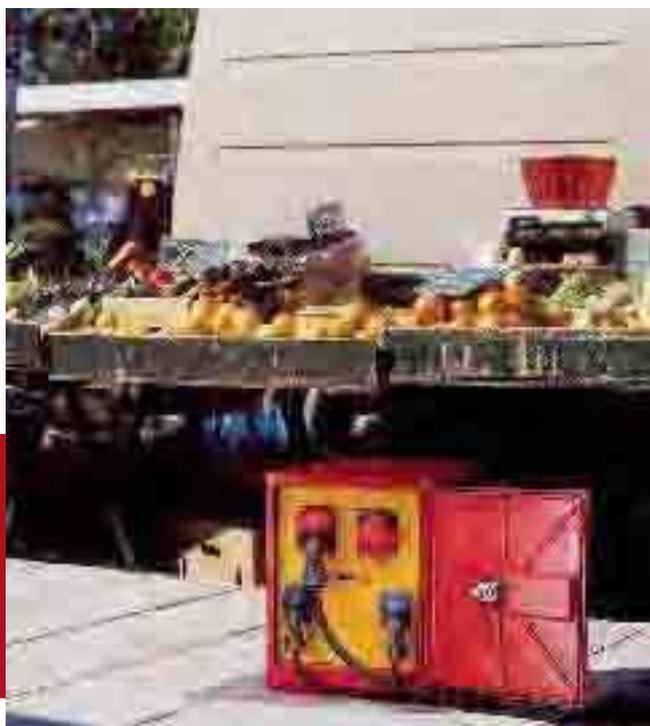
The retractable energy supply unit was engineered by URBACO to facilitate energy dispensing and then “disappear” after use. It dispenses power, telephone lines or water.

Ground level measurements of the waterproof box:

324 x 324 x H 406 mm

Measurements of the buried structure:

420 x 410 x H 670 mm



RETRACTABLE ENERGY SUPPLY UNIT			
16A Sockets	32A Sockets	63A Sockets	Code
12	0	0	DEEC00P
8	0	0	DEE800P
8	1	0	DEE810P
6	2	0	DEE620P
4	2	0	DEE420P
2	3	0	DEE230P
2	2	1	DEE221P
0	4	0	DEE040P
0	3	1	DEE031P
6	0	0	DEE600P

## Technical characteristics

The container and doors are made of 7 mm thick cast aluminium and varnished with thermo hardening polyester powder.

They form a Class IP67 waterproof box block with the doors shut and are impermeable to water or solid bodies.

The doors are fitted with a (304 L) rust-proof mechanism, an sealing O-ring as well as a rust-proof key lock.



The energy supply units are the ideal solution anywhere there is a need for temporary dispensing of power and other utilities.

They do away with hazardous and illegal connections, as well as any risks associated with electric cables laid out on the open ground over long distance.

They are designed with the utmost care, according to accurate, rigorous quality and safety specifications.

## Applicative contexts:

Markets, fairs, fairgrounds, expos, concert facilities, camp grounds, pedestrian streets, multifunctional rooms, sports and free time complexes, technical services, machine shops, ports, airports, reception areas, etc..

# Fixed energy supply units

The fixed energy supply unit is designed to facilitate multiple, 16A, 32A and 63A low pressure connections.

It comes in the simple version (for up to 6 16A sockets) or double version (up to 12 16A sockets), in the power dispensing version, in the water dispensing version as well as a mixed utilities dispensing version:

power and water.

The great sturdiness of the energy dispensing column makes it ideal to be permanently installed in public areas.

Simple version

Ground level measurements: L 470 x l 330mm

Height: 900 mm

Three parts: a base, a body module and a cast aluminium casing.



## Technical characteristics

7 mm thick cast aluminium body, varnished with thermo hardening polyester powder, RAL 7016 grey (other colours available on request).

7 mm thick cast aluminium door with (304 L) rust proof two-point safety lock.

Thermally insulated.

For fixed energy supply units:

- CEI compliant 309-1 and 309-2 sockets, fitted with automatic closing spring loaded covers with an IP55 protection rating (open door and protective cover of the cut-off switches closed)
- panel with differential cut-off switch for each power socket

For fixed water supply units:

- 2 or 4 male spherical 1/2 valves (previously 15 x 21)
- general cut-off valve with winter release valve
- no-return valve to prevent any risk of potable water contamination.



The energy dispensing columns are the ideal solution anywhere there is a need for temporary dispensing of power and other utilities.

They do away with hazardous and illegal connections, as well as any risks associated with electric cables laid out on the open ground over long distance.

They are designed with the utmost care, according to accurate, rigorous quality and safety specifications.

## Applicative contexts:

Markets, fairs, fairgrounds, expos, concert facilities, camp grounds, pedestrian streets, multifunctional rooms, sports and free time complexes, technical services, machine shops, ports, airports, reception areas, etc..

FIXED ENERGY SUPPLY UNITS

16A Sockets	32A Sockets	63A Sockets	Code
3	0	0	DFE300D1
4	0	0	DFE300D1
6	0	0	DFE400D1
2	1	0	DFE210D1
4	1	0	DFE410D1
0	2	0	DFE020D1
2	2	0	DFE220D1
0	3	0	DFE030D1
0	0	1	DFE001D1

### URBACO quality

Our clients' requirements push us to constantly test and comply with the legal codes and quality standards our products are known for.

Quality is a constant priority at URBACO.

That is why we are committed to an in-house safety and environmental quality program.



# Certificate of Compliance

### Compliance with directives

URBACO retractable bollards and energy supply units dispensing columns comply with the requirements of EEC directive 73/23.

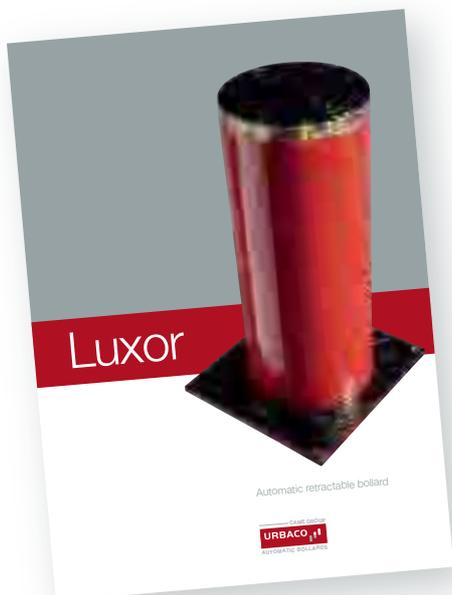
**Numerous product tests:**

- The Judiciary Office duration test approval. The test is made on 2 bollards, and carried out non-stop for 24 hours, 4,500,000 up and down cycles have yielded no malfunctions
- collision resistance tests are done on retractable bollards by the Paris City Street Testing Laboratory: URBACO bollards are rated to resist between 2,500 and 15,000 joules depending on the models

# Product testing

**Crash test**

- collision resistance testing performed in 2005 on Generation 6 automatic retractable bollards. A (diameter of 250 mm, height 500 mm) bollard withstands a 1.2 ton vehicle collision at a speed of 50Km/h and a (250 mm diameter, 750 mm height) bollard withstands a 2.5 ton vehicle collision at a speed of 45 km/h



New product and brochure for the **Luxor** model: automatic pneumatic bollard.

Luxor is the ideal answer for mass private use and public administration applicative requirements: business centres, supermarket chains, car dealerships, historical centres where elegance cannot forsake public safety and security.

# Sales supports



Urbaco has drawn up an information program in 6 languages for global diffusion.

The **Urbanews** newsletter. Its scope is to spread all Urbaco concepts and news around the world.

**Ask for your free copy!!!**

For any other information about our products and other marketing support literature, contact our communications office:  
[ffurlan@came.it](mailto:ffurlan@came.it)

Retractable  
bollardsRemovable posts  
and bollardsFixed posts  
and bollardsAccess  
control unitsEnergy  
supply unitsUrban  
furnishing

# The Urbaco Range

Urbaco is a world leader in the access control market thanks to its retractable bollards.

The firm is continuously developing to meet the numerous and prestigious orders worldwide. It delivers (ISO 9001) Quality certified guaranteed technology.

Besides its global products, systems and solutions, Urbaco, along with its partners and collaborators, is committed to further developing its range of services (including research and development, after sales service and maintenance) and best honour the trust its clients have placed in the firm.

CAME GROUP

**URBACO** 

AUTOMATIC BOLLARDS

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