

 100% Italian quality



marina **Point**

Service bollards for tourist ports

The Company

Rototec S.p.A. is a dynamic company in continuous expansion present throughout Italy and abroad (France, Spain, ...). The company was founded in 2000 as part of the System Group, leaders since 1980 in the production of complete pipeline systems (pipes, fittings, specials,...). Rototec S.p.A. specialises in working plastic materials using **rotational moulding technology**. The company has also been present in the nautical market for a number of years producing buoys and pontoons and has today amplified its range offering a **new range of service hook-up systems**. Rototec S.p.A. works continuously to distinguish itself in the Italian and international markets, constantly investing its resources in research and in updating its own production to meet European standards. This has allowed the company to manufacture **CE marked and certified products**, a qualification absolutely necessary for offering a unique, guaranteed and reliable product, without ever forgetting the fundamental requirement that distinguishes product: 100% Made in Italy.

*design and production
100% made in Italy*



Advantages of the Point service bollard

Maximum resistance to atmospheric agents, including in aggressive environments, the raw materials used incorporate anti U.V agents.

High strength and sturdiness, rotational moulding allows the production of monobloc items that guarantee a perfect seal

Special care in design and ergonomics, a design aimed specifically to satisfy the needs of the user

Vast range of colours and colour combinations, the technology allows the product to be personalised more and more, allowing it to blend perfectly with the surrounding environment

Certified components guaranteeing safety and quality.

Simple and speedy installation to provide the required service in the shortest time possible

Environmental protection, polyethylene is 100% recyclable



Services offered

- Design and technical advice
- Supply of integrated management software for tourist ports (on request)
- On-site and after-sales technical assistance
- Fast national and international delivery



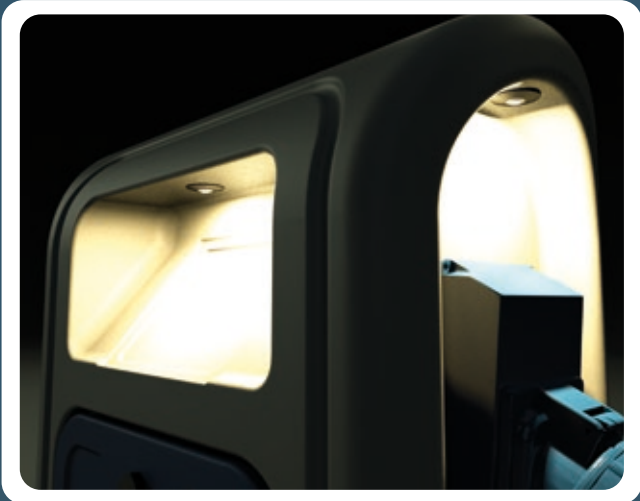
marina Point

The Marina Point nautical services bollard is a versatile compact structure designed for use as a **distribution point for electricity, water, warnings, information and other in tourist ports**. The Marina Point service bollard has been designed so that the user can access it alone, easily, safely and at any time of day. The external structure, manufactured in LLDPE monobloc polyethylene using the rotational moulding technique, guarantees high resistance to impact, solar radiation, chemicals agents and salt spray. The same external shell can be produced in a wide range of colours (blue, grey, yellow, red, green,...).

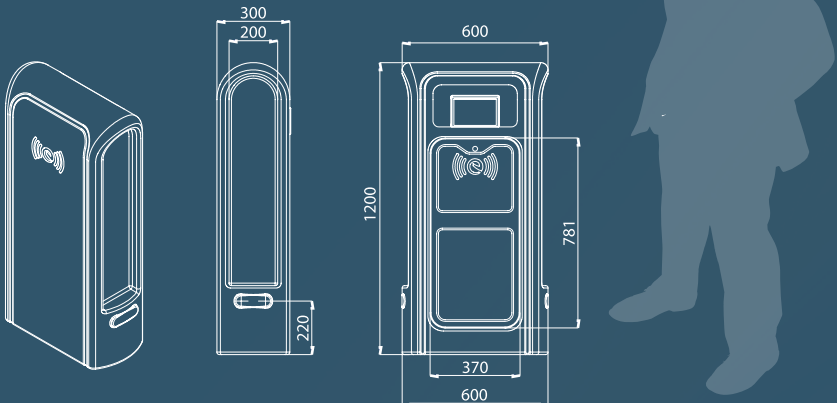


IP65 interior protection panel.
Interlocked sockets on both sides.
Led lighting on the front and side panels.

STANDARD



Dimensions



Technical data

Interlocked sockets available	250 VCA 2P+E (6-o-clock) 16A/32A with mechanical interlocked switch 380 VCA 3P+N+E (6-o-clock) 16A/32A with mechanical interlocked switch 380 VCA 3P+N+E (6-o-clock) 63A/125A with electric interlock 250 VCA 2P+N+E (6-o-clock) 63A with electric interlock
Outlet	Designed, constructed and certified according to standard EN 60439-1
Shell material	LLDPE polyethylene, anti UV full-depth colouring
Protection grade	IP56
Dimensions	600 x 300 x 1200 (h) mm
Internal access	Through a front key-operated door, dimensions 320 x 740 (h) mm
Working temperature	-30 +70 °C
Mounting	4 x 10 mm expansion bolts
Terminal board for in-line connections	Connections made via a 5-pole input/output terminal board for L1 L2 L3 N PE conductors
Installable terminal boards	Threaded pin connection from 6 to 12 mm for 50 to 185 mm terminals
User protection	Differential thermomagnetic switches Id = 30 mA 16/32/63/125 with breaking capacity 4.5
Lighting	KA or higher
Protection	n°3 high-efficiency LEDs, two lateral and one front
Water distribution:	1½ female
Mains water connection	
User water connection	1½ ball valves

Colours and finishes

NOTE
for commercial info regarding
personalised graphics, contact
your agent or
ROTOTEC spa directly.



marina Point

The Marina Point nautical services bollard is a versatile compact structure designed for use as a distribution point for electricity, water, warnings, information and other in tourist ports, campsites and stopping places.

The service bollard has been designed so that the user can access it alone, easily, safely and at any time of day. User authorisation and cost allocation is by means of an **electronic key type transponder**. The management logic can be either through subsequent debiting or pay-as-you-go. In the first case, the user is given a key in which his personal pin number is recorded and which, when read by the control unit, allows the service used to be selected and the associated consumption read.



Transponder reading display.
Led lighting on the front and side panels.

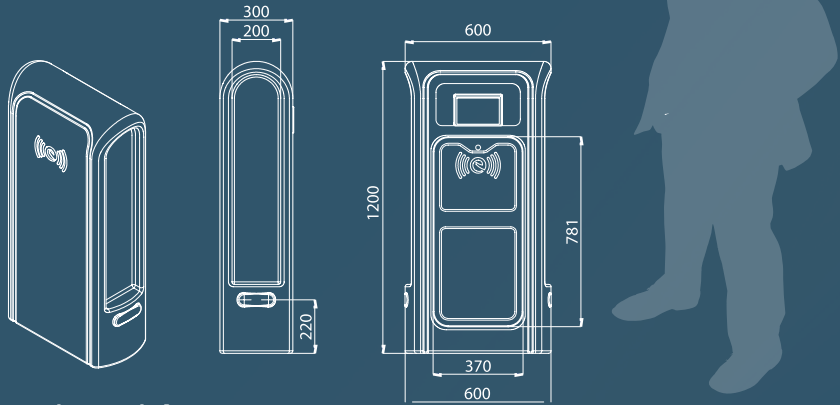
TRANSPONDER

also transferred in real time to the central computer for subsequent invoicing to the client. In the second case, the user tops-up the key with a variable amount and enables the service required by transferring the credit to the control unit. In the pay-as-you-go case, a supervision PC does not need to be used even though this is possible.

The external structure, manufactured in LLDPE monobloc polyethylene using the rotational moulding technique, guarantees high resistance to impact, solar radiation, chemicals agents and salt spray. The same external shell can be produced in a wide range of colours (blue, grey, yellow, red, green,...).



Dimensions



Technical data

Interlocked sockets available	250 VCA 2P+E (6-o-clock) 16A/32A with mechanical interlocked switch 380 VCA 3P+N+E (6-o-clock) 16A/32A with mechanical interlocked switch 380 VCA 3P+N+E (6-o-clock) 63A/125A with electric interlock 250 VCA 2P+N+E (6-o-clock) 63A with electric interlock
Service bollard	Designed, constructed and certified according to standard EN 60439-1
Shell material	LLDPE polyethylene, anti UV full-depth colouring
Protection grade	IP56
Dimensions	600 x 300 x 1200 (h) mm
Internal access	Through a front key-operated door, dimensions 320 x 740 (h) mm
Working temperature	-30 +70 °C
Mounting	4 x 10 mm expansion bolts
Terminal board for in-line connections	Connections made via a 5-pole input/output terminal board for L1 L2 L3 N PE conductors
Installable terminal boards	Threaded pin connection from 6 to 12 mm for 50 to 185 mm terminals
User protection	Differential thermomagnetic switches Id = 30 mA 16/32/63/125 with breaking capacity 4.5 KA or higher
Lighting	n°3 high-efficiency LEDs, two lateral and one front
Protection	Fused or MTD 2A
Water distribution:	
Mains water connection	1½ female
User water connection	1½ ball valves
Water and electricity supply accounting system:	
Electricity meter	Progressive with display of kWh consumed
Water meter	Counts litres and displays the consumption for each user
Prepaid system	Based on an electronic key (transponder) with calculation of the consumption of electricity and water
Remote accounting	Connection (via cable or WiFi) with a remote computer for managing service outputs, alarms, consumption history. Option to top-up credit via the Internet.

Colours and finishes

Standard one-colour

Standard two-colour

NOTE
for commercial information
regarding custom graphics contact
the agency in question or ROTOTEC
spa directly.



fire Point

HYDRANT BOLLARD

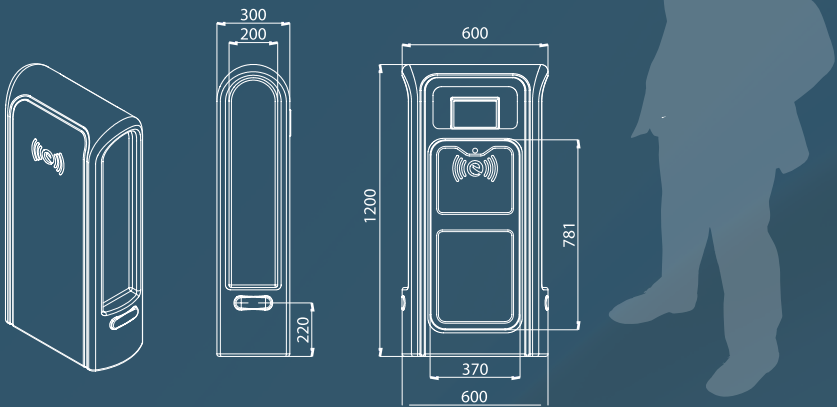


The Fire Point is a hydrant protection and housing bollard. The front quick-release door or breakable glass panel allows the door to be opened to enable immediate use of the nozzle.

The external structure, manufactured in LLDPE monobloc polyethylene using the rotational moulding technique, guarantees high resistance to impact, solar radiation, chemicals agents and salt spray. The same external shell can be produced in a wide range of colours (red, blue, grey, yellow, green,...).



Dimensions



Technical data

Shell material	LLDPE polyethylene, anti UV full-depth colouring
Dimensions	600 x 300 x 1200 (h) mm
Internal access	Through a front quick-release door, dimensions 320 x 740 (h) mm
Emergency access	Breakable front glass UNI 45/70 outdoors 290 x 500 (h) mm
Mounting	4 x 10 mm expansion bolts
Hose connection	1"½ hydrant valve DN45 PN16 – ISO7
Hose	DN45, 20 - 25 - 30 m UNI804
Nozzle	3-effect fire-fighting nozzle UNI45 in aluminium
Lighting	n° 3 high-efficiency LEDs, two lateral and one front
Hose support	Hose saddle UNI 45/70 in plastic material

Colours and finishes

Standard one-colour

Standard two-colour

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personalised graphics, contact
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R/R



R/G

fire Point

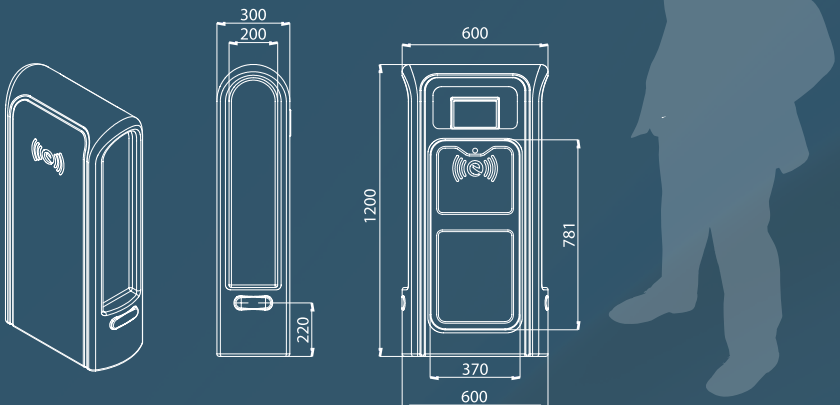
EXTINGUISHER
BOLLARD

The Fire Point is a hydrant protection and housing bollard. The front quick-release door or breakable glass panel allows the door to be opened to enable immediate use of the extinguisher.

The external structure, manufactured in LLDPE monobloc polyethylene using the rotational moulding technique, guarantees high resistance to impact, solar radiation, chemicals agents and salt spray. The same external shell can be produced in a wide range of colours (red, blue, grey, yellow, green,...).



Dimensions



Technical data

Shell material	LLDPE polyethylene, anti UV full-depth colouring
Dimensions	600 x 300 x 1200 (h) mm
Internal access	Through a front quick-release door, dimensions 320 x 740 (h) mm
Emergency access	Breakable front glass UNI 45/70 outdoors 290 x 500 (h) mm Door closed 290 x 500 (h) mm
Mounting	4 x 10 mm expansion bolts
Lighting	n° 3 high-efficiency LEDs, two lateral and one front
Extinguisher	6 - 9 - 12 kg powder filled. According to Ministerial Decree D.M. 7/01/2005 and EN 3-7:2005. Firefighting class ABC, pressurised type with pressure gauge indicating fill state. Filled and ready for use, complete with hook for installation in the bollard. CE marked in accordance with directive 97/23/CE (PED). The bollard can also be supplied without extinguisher.

Colours and finishes

NOTE
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Standard one-colour

Standard two-colour



R/R



R/G

Led lighting on the front and side panels.
Door with quick-release door.



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Rototec S.p.A. is a company belonging to the

**SYSTEM
GROUP**

www.tubi.net



marina Point



green Point



urban Point



fire Point

