

FAAC



FAAC J200 HA

PROCUREMENT SPECIFICATION



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Hydraulic Automatic retractable bollard (Hydraulic Automatic) J200 HA for intensive usage.

APPLICATIONS:

Pedestrian areas delimitation, reserved parking areas for offices, residential areas, commercial or industrial sites, hospitals, public buildings, campsites, holiday and sport resorts.

PRODUCT FEATURES:

The bollard employs a cylinder with height 600mm off ground, diameter 200mm, thickness 6mm made of Fe 360, with surface treatment in cataphoresis and polyester powder painted, or made of stainless steel AISI 316 with satin finishing.

The support structure is placed in the foundation together with the cylinder.

All internal fixing frames for cables, sensors, etc., employ stainless steel screws, in order to avoid corrosion.

The protection rate, of junction box and internal connections is IP56.

Bollard speed on normal duty:

Rising Time 5s / Lowering Time 7s

The above operation time must be kept constant on defined duty cycle.

Cylinder above ground is visible on all environment conditions, having a 25mm high reflecting strip all around the cylinder itself, buzzer and LED lights (optional) that flash when bollard moves and stay permanently ON when upraised.

HYDRAULIC DRIVE UNIT-

Hydraulic drive unit consists of a pump unit, powered by an electric motors (voltage 230AC) able to grant suitable operation.

In case of power failure while the bollard is upraised, the cylinder remains in position. A mechanical valve to unblock –with dedicated key- and lower manually the cylinder is accessible on the cylinder head, but protected by a security screw.

A further safety electro valve (optional) allows the cylinder automatic descent in case of power failure. The same electro valve can be set up to keep the cylinder upraised in case of power failure.

CONTROL BOARD:

It's supplied with 230VAC voltage – 50/60Hz.

The control board is external and can manage up to 4 bollards.

It's Equipped with a built-in dual loop detector and includes programmable logic and provides all commands for normal operation.

To link the bollard and the control board, a 16+1 conductors -min 1,5mm section- cable shall be employed.

OPERATING TEMPERATURE AND WEATHER CONDITIONS:

Bollard shall be fully operational within following conditions:

Operating temperature	-15 °C / +55 °C
Operating temperature with heater (accessory)	-25 °C / +55 °C

OPTIONS:

The cylinder finishing can be:

- Cataphoresis and polyester powder painted Dark grey metallised
- Stainless steel satin finishing

ACCESSORIES:

A LED lights kit can be added to signal the cylinder movement and upraised position.

An acoustic buzzer can be added to signal the cylinder movement.

A pit heater can be added to expand the range of working temperature

A safety kit can be added to have:

- a pressure switch to reverse the cylinder movement if an obstacle is found while rising
- an electro valve to automatically lower the cylinder in case of power failure

TECHNICAL SPECIFICATIONS

J Series Model	J200 HA H600	J200 HA H600 INOX
Drive	Hydraulic unit	Hydraulic unit
Cylinder height from ground [mm]	600	600
Cylinder diameter [mm]	200	200
Cylinder material	Steel SJ235JRG2 EN 10277 6mm thick)	AISI 316L satin finishing 6mm thick)
Cylinder surface	Cataphoresis and polyester powder painted	Satin finishing
Head	Aluminium painted case RAL 9006	Aluminium painted case RAL 9006
Rising time [s]	~5	~5
Lowering time [s]	~7	~7
Emergency automatic lowering	Yes (option)	Yes (option)
Safety switch	Yes (option)	Yes (option)
Emergency manual lowering	Yes (option)	Yes (option)
Power supply	230V ~ 50(60Hz)	230V ~ 50(60Hz)
Max power consumption [W]	230	230
Hydraulic unit protection Index	IP67	IP67
Suggested Usage	Intensive	Intensive
Reflective strip height [mm]	25	25
Reflective strip colour	Orange	Orange
Total weight [Kg]	90	90
Operating temperature	-15 °C / +55 °C	-15 °C / +55 °C
Operating temperature with heater (accessory)	-25 °C / +55 °C	-25 °C / +55 °C
Underground product dimensions WxDxH [mm]	400 x 500 x 800	400 x 500 x 800
Required excavation dimensions WxDxH [mm]	700 x 700 x 1.100	700 x 700 x 1.100
Supply cable	16+1 conductors –min. section 1,5mm (not supplied)	16+1 conductors –min. section 1,5mm (not supplied)
Max cable length [m]	50	50