



FAAC J200 HA

PROCUREMENT SPECIFICATION

Fast Gate Openers
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Hydraulic Automatic retractable bollard (Hydraulic Automatic) FAAC J200 HA for intensive usage.

APPLICATIONS:

Passages regulation in accesses with low vehicular flow, like: reserved parking areas for offices, residential areas, commercial sites.

PRODUCT FEATURES:

The bollard employs a cylinder with height 600mm / 23.6 inches off ground, diameter 200mm / 7.9 inches, thickness 6mm / 0.23 inches made of SJ235JRG2 EN 10277 steel, with surface anti-corrosive treatment in cataphoresis and polyester powder painted, or made of stainless steel AISI 316L 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 the hydraulic unit is IP67.

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 / 0.99 inches 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 1,5 mm / 0.06 inches section- cable

shall be employed.

OPERATING TEMPERATURE AND WEATHER CONDITIONS:

Bollard shall be fully operational within following conditions:

Operating temperature	-15°C + 55°C / 5°F + 131°F
Operating temperature with heater (accessory)	-25°C + 55°C / -13°F + 131°F

OPTIONS:

The cylinder finishing can be:

- Cathaphoresis 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	600mm / 23.6 inches	600mm / 23.6 inches
Cylinder diameter	200mm / 7.9 inches	200mm / 7.9 inches
Cylinder material	Steel SJ235JRG2 EN 10277 (6 mm / 0.23 inches thick)	AISI 316L satin finishing (6 mm / 0.23 inches 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	Yes
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	25mm / 0.99 inches	25mm / 0.99 inches
Reflective strip colour	Orange	Orange
Total weight	90kg / 198.5 pounds	90kg / 198.5 pounds
Operating temperature	-15°C + 55°C 5°F + 131°F	-15°C + 55°C 5°F + 131°F
Operating temperature with heater (accessory)	-25°C + 55°C -13°F + 131°F	-25°C + 55°C -13°F + 131°F
Underground product dimensions WxDxH [mm]	400 x 500 x 800 mm 15.7 x 19.7 x 31.5 inches	400 x 500 x 800 mm 15.7" x 19.7" x 31.5"
Required excavation dimensions WxDxH	700 x 700 x 1100 27.6 x 27.6 x 43.3 inches	700 x 700 x 1100 27.6 x 27.6 x 43.3 inches
Supply cable	16+1 conductors –min. section 1.5 mm / 0.06 inches (not supplied)	16+1 conductors –min. section 1.5 mm / 0.06 inches (not supplied)
Max cable length	50 m / 164 feet	50 m / 164 feet