



FAAC J275 HA V2 BOLLARD

PROCUREMENT SPECIFICATION



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Hydraulic Automatic retractable automatic bollard FAAC J275 HA V2 for intensive usage.

APPLICATIONS:

Vehicular access control in installations with high vehicular flow, like: restricted access areas, reserved parking for offices, residential compounds, commercial or industrial sites, hospitals, public offices, hotels, campsites, holiday and sport resorts.

PRODUCT FEATURES:

FAAC J275 HA V2 bollard is made of a reinforced steel support structure and a steel cylinder with height 600 mm // 23.6 inches or 800 mm // 31.5 inches off ground, diameter 275 mm // 10.8 inches available in S355JR EN 10219 steel, with polyester powder painted, or stainless steel AISI 316L with satin finishing.

To prevent corrosion, the support structure and the cylinder –*painted steel version*- are treated with a surface cathophoretic coating, all the internal fastenings are realized in stainless steel and the bollard's head is coated with special Rilsan® resin.

FAAC J275 HA V2 bollard has to be allocated into the dedicated pit that sits within the concrete foundation realized according the civil work drawings.

The hydraulic unit (HPU) is integrated into the cylinder and accessible from above for maintenance and inspection with the bollard still in place. **Ordinary maintenance operations do not require the usage of lifting machineries.**

The cylinder is visible from all directions, thanks to the reflecting strip and the LED lights on the head that flash during the cylinder movement and stays permanently on while the cylinder is in upraised position. Each movement is signalled –and anticipated- by an acoustic buzzer.

PERFORMANCE:

Bollard speed on normal duty:

Rising Time 5 s (H600) or 7 s (H800) // Lowering Time 3,5 s (H600) or 4,5 s (H800)

The above speed remains constant within the advised duty cycle.

OPERATING TEMPERATURE:

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

HYDRAULIC UNIT (HPU):

The HPU is allocated within the bollard's cylinder; it comprises a 230VAC electric motor that operates a hydraulic pump.

In case of power failure, the upraised cylinder remains in position thanks to a mechanical lock.

To lower the cylinder it's necessary to supply again the bollard, or operate the manual release under the cylinder's head

The HPU is supplied with a "Gentle Stop" function to slow down the movement in the last 30mm // 1.2 inches of the opening (lowering) movement, to reduce the mechanical stress and the noise generated by the cylinder's descent.

HPU protection index is IP67

AVAILABLE VERSIONS:

The cylinder height can be:

- 600 mm // 23.6 inches off ground
- 800 mm // 31.5 inches off ground

The cylinder finishing can be:

- Cathaphoresis and polyester powder painted Dark grey metallized
- Stainless steel satin finishing

INSTALLATION COMPLEMENTS:

The bollard has to be placed into the dedicated pit, supplied with the cast iron counter frame.

Always add the pit extension module for H800mm bollards installation.

CONTROL BOARD:

The control board for FAAC J275 HA V2 bollard is a deported unit and manages up to 3 bollards. It's supplied with 230VAC - 50/60Hz and includes several programmable –and customizable– logics to guarantee the desired operational routine.

A 16+1 poles cable (1.5 mm² // 0.002 inches² min section) is required to connect the control board to FAAC J275 HA V2 bollard.

ACCESSORIES:

A Pit heater can be added, to operate also at extreme low temperatures (as below specified).

A head with anti-burglar armoured lock can be employed to protect the manual release device and therefore prevent from un-desired manual lowering.

TECHNICAL SPECIFICATION:

J Series Model	J275 HA V2 H600	J275 HA V2 H600 STAINL.STEEL	J275 HA V2 H800	J275 HA V2 H800 STAINL.STEEL
Drive	Hydraulic operator			
Cylinder height from ground	600 mm // 23.6 inches		800 mm // 31.5 inches	
Cylinder diameter	275mm // 10.8 inches			
Cylinder material	S235JR EN 10219 steel	AISI 316L	S235JR EN 10219 steel	AISI 316L
Cylinder treatment	Cataphoresis + polyester paint grey metal. RAL 7021	Satin finishing	Cataphoresis + polyester paint grey metal. RAL 7021	Satin finishing
Cylinder’s head	Aluminium RAL 9006			
Head treatment	Anti-corrosion Rilsan® resin			
Ground cover material	Aluminium RAL 9006			
Ground cover treatment	Anti-corrosion Rilsan® resin			
Reflective strip height	55 mm // 2.2 inches			
Reflective strip colour	Orange			
Rising time	~5 s	~5 s	~7 s	~7 s
Lowering time	~3,5 s	~3,5 s	~4,5 s	~4,5 s
Emergency automatic lowering	YES (OPTIONAL)			
Emergency lowering time	~1,2 s	~1,2 s	~1,5 s	~1,5 s
Obstacle detection while rising	YES			
Emergency manual lowering	YES			
Gentle Stop function	YES			
Power supply	207 V~ ... 243 V~ // 50/60 Hz			
Max consumption	575 W			
Protection index	IP67			
Load class(EN 124)	C250			
Crash resistance	38.000 J	67.000 J	38.000 J	67.000 J
Break in resistance	128.000 J	207.000 J	128.000 J	207.000 J
Operating T°	-15°C + 55°C // 5°F + 131°F			
Oper. T° with heater (accessory)	-25°C + 55°C // -13°F + 131°F			
Bollard weighth	112 kg // 247 pounds		130 kg // 287 pounds	
Bollard packagind dim. LxWxH	1.200 mm x 800 mm x 450 mm // 47 inches x 31 inches x 18 inches			
Cabling	16+1 conductors –min. section 1.5 mm // 0.06 inches (not supplied)			
Max cable length	50 m // 164 feet			

PIT:

J Series Model	J275 HA V2 H600	J275 HA V2 H600 STAINL.STEEL	J275 HA V2 H800	J275 HA V2 H800 STAINL.STEEL
Required excavation dimensions WxDxH	1.000 mm x 1.000 mm x 950 mm // 39 x 39 x 37 inches		1.000 mm x 1.000 mm x 1.250mm // 39 x 39 x 49.2 inches	
Material	Steel EN 10346-DX53+Z140-A: thickness 2 mm // 0,08 inches			
Counterframe	Ductile casted iron, treated with cataphoresis			
Pit weight	55 kg // 121 pounds		65 kg // 143 pounds	
Pit packaging LxWxH	800 mm x 600 mm x 700 mm // 31 inches x 24 inches x 28 inches			