J SERIES BOLLARDS

Solutions for vehicle access control and city traffic

FAAC

Simply automatic.

RISING TO THE CHALLENGE OF VEHICLE ACCESS CONTROL

The J Series bollard represents a new generation access control solution.
Many design innovations make it easy to handle and install but best of all its performance is market leading and lifetime costs exceptionally competitive.
Activated by any access control system or signalling device, it is an alternative solution to fixed posts and barriers, allowing regulation of traffic into certain zones with high vehicle flow, (e.g. restricted areas, pedestrian areas, parking and industrial sites and many more).
Available with a diameter of 11in. (275mm), and a height of 24in. (600mm) or 32in. (800mm).

J 275 Bollard guarantees free pedestrian flow, but manages vehicle traffic or limited parking, with the following advantages:

- Does not disfigure the characteristics of the environment because of its mobile concealed element with minimal environmental impact
- Ensures greater protection of pedestrian areas in the town centre
- Allows access to authorised vehicles only
- Reduces and optimises the use of human resources in access control activities
- Customisable colour selection for blending in with the urban context
- Activity can be signalled by built-in buzzer and led outer ring, according to its position
- A full range of accessories is available
- Its function is to deter

TRULY INNOVATIVE AND UNIQUE BOLLARD

The J Series has a number of exceptional features.

The bollard was designed and tested in order to optimise installation, servicing and maintenance activities whilst maintaining maximum reliability over its lifetime.

1. New drive concept – the drive unit is mounted in the moving cylinder
2. High resistance steel structure
3. Fast moving cylinder
4. "Fully optional" version including all main accessories
5. Lowered maintenance costs, due to one man servicing.
6. Flexible control unit that manages up to 4 bollards
7. Possible replacement of first generation FAAC city bollards
8. Cylindrical shaped metal sheets make up the foundation box, enabling easy handling

12 REASONS TO EXPLAIN THE UNIQUENESS OF J 275 BOLLARD	
1	Mobile drive unit, extractable by a handle for ease of replacement or maintenance
2	Cylinder slides on double rail to provide better stability in raising and lowering
3	No pipes with oil under pressure to avoid risk of failure's risks
4	Built-in illuminated outer ring powered by central led and acoustic buzzer
5	Built-in emergency release in case of power failure
6	Built-in mechanical release to lower the cylinder in any circumstances
7	Cylinder available in stainless steel AISI 316
8	Internal fixing frames made of stainless steel
9	Connectors and junction boxes, with IP 67 certification
10	Round-section pit to optimize digging works
11	Pit supplied in a kit to minimise transport charges and packaging dimensions
12	JE 275 control board able to manage up to four bollards

DIFFERENT VERSIONS APPLICATIONS

AUTOMATIC
Recommended for areas of daily frequent and necessary transits. Thanks to cards, remote controls or timer, the cylinder descends and rises automatically.

FIXED
Recommended to be combined where automatic bollards are present.

TRAFFIC BOLLARD - **Hydraulic**

The J275 automatic concealed traffic bollard has fully integrated hydraulic technology for heavy duty usage. With a standard descent time of 2.8 seconds, there is an extra setting that activates the emergency release valve and allows a descent time of just 1 second. Even the basic bollard in the range comes with flashing lights, buzzer, emergency release and mechanical release.

AVAILABLE VERSIONS

PAINTED STEEL STANDARD VERSIONS

- **J 275/600 HA painted steel** **Part Number 116000**
  - steel cylinder 5/16in. (7 mm) thickness treated by cataphoresis and painted
  - powder painted dark grey metallised RAL 7021
  - Illuminated outer ring powered by central LED
  - buzzer
  - emergency release in case of power failure (failure safe or secure)
- **J 275/800 HA painted steel** **Part Number 116001**
  - steel cylinder 5/16in. (7 mm) thickness treated by cataphoresis and painted
  - powder painted dark grey metallised RAL 7021
  - Illuminated outer ring powered by central LED
  - buzzer
  - emergency release in case of power failure (failure safe or secure)

STAINLESS STEEL AISI 316 SPECIAL VERSIONS

- **J 275/600 HA satin finish stainless steel AISI 316** **Part Number 116030**
  - stainless steel cylinder 1/4in. (6 mm) thickness satin finished
  - Illuminated outer ring powered by central LED
  - buzzer
  - emergency release in case of power failure (failure safe or secure)
- **J 275/800 HA satin finish stainless steel AISI 316** **Part Number 116031**
  - stainless steel cylinder 1/4in. (6 mm) thickness satin finished
  - Illuminated outer ring powered by central LED
  - buzzer
  - emergency release in case of power failure (failure safe or secure)

TECHNICAL SPECIFICATIONS	J 275/600 HA	J 275/800 HA
Drive	Hydraulic	
Cylinder stroke	24in. (600mm)	32in. (800 mm)
Cylinder diameter	11in. (275 mm)	
Cylinder material standard release	Steel Fe360	
Cylinder material special release stainless steel	AISI 316	
Cylinder surface treatment	Cataphoresis and polyester powder painted dark grey metallised RAL 7021	
Head surface treatment	Anticorodal case aluminium RAL 9006	
Rising time	About 5,0 sec.	About 7 sec
Descent time (standard)	About 2,8 sec	About 3,5 sec
Descent time (rapid) (*)	1 sec	1,2 sec
Hydraulic drive unit	Power supply 230 Vac +6% - 10%; 50 Hz	
Power consumption	220W	
Protection class	IP 67	
Work frequency	Heavy duty	
Reflective strip	Standard height 2 1/4in. (55 mm)	
Manual lowering operation	Simple hydraulic release key	
Impact resistance	9.000 Joules	
Break in resistance	120.000 Joules	
Walled in pit with cylinder profile	23x23x38in. 560x560x950 mm	23x23x48in. 560x560x1220 mm
Cable to link bollard to control unit (not supplied)	FG7OR-0,6/1Kv-16G-1,5	
Max cable length	165 ft. (50 mt)	
Environment temperature	0°F to 135°F -15 / +55°C	

(*) By emergency release activation

Accessories for automatic version

- RAL paint on request (not available for satin finish stainless steel cylinder)
- Pit heater JH 275 (to extend operation up to -15°F) **Part Number 116200**
- Pit cover JC 275 **Part Number 116201**
- Control unit JE 275 (up to max n. 4 bollards) **Part Number 116300**
- Pit bollard JP 275/600 **Part Number 116100**
- Pit bollard JP 275/800. **Part Number 116100 + 116101**

TRAFFIC BOLLARD - **Fixed**

The fixed bollard is suitable for installations when all bollards do not need to be automated, the fixed bollards can maintain aesthetic appearances for sites, thus reducing costs and time of installation.

AVAILABLE VERSIONS

PAINTED STEEL STANDARD VERSIONS

- **J 275/600 F painted steel**
  - steel cylinder 3/16in. (4 mm) thickness treated by cataphoresis and painted
  - powder painted dark grey metallised RAL 7021
- **J 275/800 F painted steel**
  - steel cylinder 3/16in. (4 mm) thickness treated by cataphoresis and painted
  - powder painted dark grey metallised RAL 7021

STAINLESS STEEL AISI 316 SPECIAL VERSIONS

- **J 275/600 F satin finish stainless steel AISI 316**
  - stainless steel cylinder 1/8in. (3 mm) thickness satin finished
- **J 275/800 F satin finish stainless steel AISI 316**
  - stainless steel cylinder 1/8in. (3 mm) thickness satin finished

TECHNICAL SPECIFICATIONS	J 275/600 F	J 275/800 F
Cylinder height	24in. (600 mm)	32in. (800 mm)
Cylinder diameter	11in. (275 mm)	
Cylinder material	Steel Fe 360	
Cylinder material special release stainless steel	AISI 316	
Cylinder surface treatment	Cataphoresis plus polyester powder painted dark grey metallised RAL 7021	
Head surface treatment	Anticorodal case aluminium RAL 9006	
Reflective strip	Standard height 2 1/4in. (55 mm)	

Accessories for fixed version

- Pit Bollard JPF 275. **Part Number 116120**

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