



Avon Barrier

Avon EX090 Turnstile



Avon EX090 Turnstiles are an ATEX / IECEx certified product that have been designed for pedestrian entry point control into hazardous areas which are potentially susceptible to explosive atmospheres.

Designed and manufactured in the UK, Avon EX Turnstiles will provide security and enhance any pedestrian entrance to primarily oil and gas / chemical works sites without creating an ignition source.

The EX090 is a security product but has been specifically designed to mitigate the Health and Safety risks associated with sites with the potential to create explosive atmospheres.

Available in a range of operating modes they can be interfaced with all forms of ATEX / IECEx certified access control systems.

Turnstile systems are manufactured from mild steel sections and sheets which are finished in a high specification multi-coat and anti-static paint system (colour - red RAL 3001 as standard but other colour options are available on request).

The Turnstile rotors are constructed of 316 stainless steel.

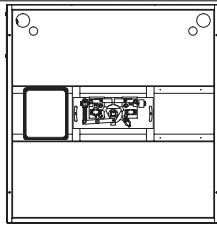
Features

- ATEX / IECEx certified
- Certified for use up to Zone 1&2
- Category 2G
- Gas Group IIC
- Robust Construction
- HCIS compliance option

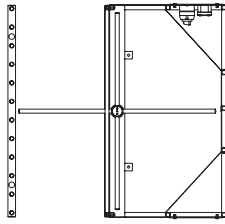
Benefits

- Intrinsically safe
- Independently certified
- High Security
- Produced by certified IECEx manufacturer
- Low maintenance

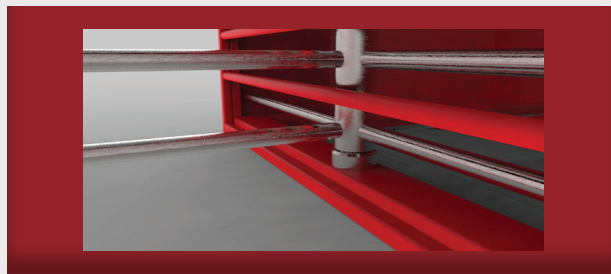
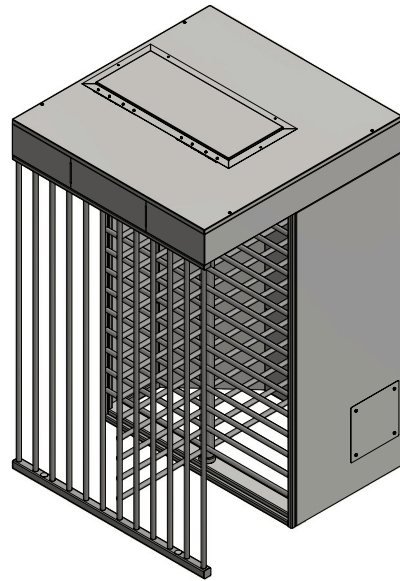
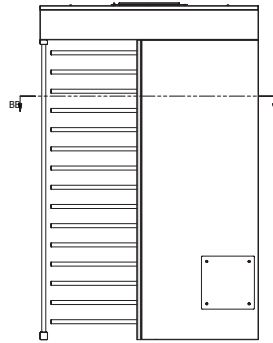
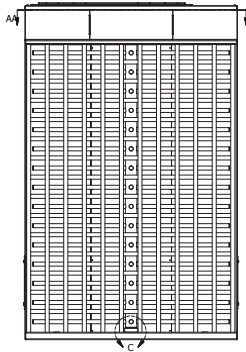
Technical Specification EX090 Turnstile



SECTION A-A
SCALE 1 / 10



SECTION B-B
SCALE 1 / 10



Technical Details

ATEX Protection:	II 2G EX h IIC T4 Gb
IECEX Protection:	Ex h IIC T4 Gb
Turnstile Type:	90° 4 bar rotor system
Rotor thickness and spacing:	40 pipe (38mm x 3.7mm) at 200mm spacing
Walkway height / width:	1.9m / 590mm
Paint finish:	INVER S.P.A. 40496 NP ESD Rosso 3001 (red), thickness 80 microns (anti-static paint)
Power fail operation:	The turnstile controller can be configured to free wheel in one or both directions on power fail or fire alarm signal.
IP & Electrical protection level	The turnstile comes with an IP66, ATEX / IECEX Ex d explosion proof certified enclosure to enclose control system.
Installation:	For installation, connection points are provided in an EX e enclosure (containing termination panel and ATEX / IECEX electrical isolator) located at the bottom corner of the unit.

Please note that any access control systems / push buttons etc. must be fully compliant with the same ATEX / IECEX classifications if mounted on or in the vicinity of the equipment.

Where the turnstile control point is remote from the installation, we strongly recommend the fitting of a recordable CCTV system.