



Avon Barrier

Avon EB750 ATEX Barrier



The Avon ATEX Barrier is a rising arm vehicle control barrier designed to operate in the oil & gas, petrochemical, pharmaceuticals, chemicals & fertilizer industries. The barrier cabinet is categorised as an ATEX flameproof EX d enclosure and is certified to ATEX Group 2 Category 3.

The barrier is able to operate in hazardous environments or potentially explosive atmospheres: the working components are housed in a flameproof enclosure designed to withstand the pressure developed during an internal explosion and prevent the transmission of the explosion to the explosive gas atmosphere surrounding the enclosure.

The barrier cabinet stands at 1160mm above foundation level with the boom in its closed horizontal position 834mm above foundation level. The boom is available in lengths up to 5M and finished in red/white fascal as standard (option: yellow/black), the cabinet is finished in yellow (RAL 1007) as standard, however other options are available.

With an experienced system design capability along with a worldwide installation, service and maintenance capability, we are able to provide a swift and efficient solution to all your high security requirements.

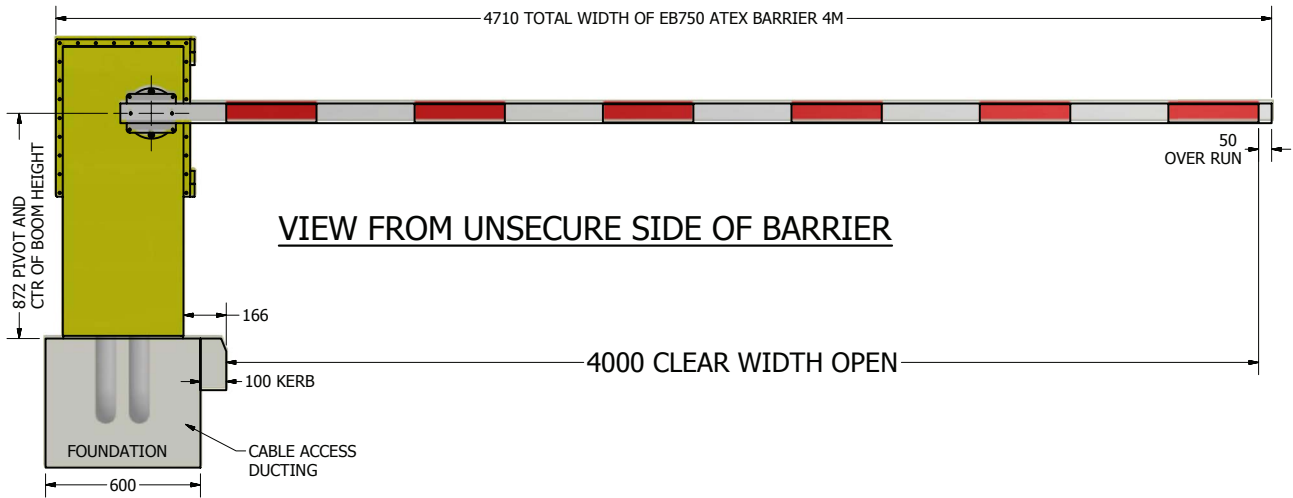
Features

- Physically tested to conform to BS EN 60079-1:2007
- ATEX Group 2 category 3 compliant
- Manufactured from heavy gauge materials
- External power isolator
- Electro-mechanical drive unit
- Manual operating override facility
- 100% Duty cycling

Benefits

- Proven performance
- Confidence
- Strength and Durability
- Manual operation in the event of power failure
- Ease of installation

Technical Specification EB750 ATEX Barrier



Technical Details

Physical Dimensions :	Barrier Cabinet - 360mm W x 468mm D x 1160mm
Basic Power Requirements:	230v single phase, 50Hz, 6 amp (optional international voltages available)
Control Voltage:	S.E.L.V 24v
Speed of operation:	4.2 seconds to raise or lower
Boom height:	834mm above foundation level
Operating temperature range available:	-25°C - +70°C
ATEX Protection:	CE Ex 3 G Ex d IIB T3
Approx weight:	155kg
Construction:	<p>The barrier cabinet is categorised as an ATEX flameproof EX d enclosure. The cabinet body is constructed from mild steel which has been shot blasted, applied with an anti-corrosive surface treatment and finished in RAL1007 powder coat as standard. (other options available)</p> <p>The joints between cabinet and doors are classed as flanged joints and have been surface treated with an anti-corrosive acid. The doors are fixed to the cabinet by M8 stainless threaded bolts.</p> <p>The cabinet body is constructed from mild steel which has been shot blasted, applied with an anti-corrosive surface treatment and finished in RAL1007 powder coat as standard. (other options available)</p> <p>Boom profile - Rectangular extruded aluminium 76 x 38mm white powder coated with red fascal striping (black and yellow option available) Max length 5m. Booms are mounted on the right hand as standard unless specified.</p>
Installation:	The barrier foundation should consist of grade C35 concrete and it is recommended that the barrier is secured to the foundation using 4 M16 x 160mm chemical anchors. The installation of ducts for cabling is dependent upon the control criteria.