



**Avon Barrier**

## Avon RB780CR K4 Chieftain Road Blocker



**Avon RB780CR K4 High Security Road Blocker** provides a high level of security against unauthorised vehicle access.

The road blocker is designated as a Vehicle Security Barrier (VSB) and has been independently physically impact tested by the Motor Industry Research Association (MIRA). The test was conducted in excess of the Department of State test standard SD-STD-2.01 revision A, and achieved a certification class K4/L3 rating (ASTM M30/P1).

The blocker is hydraulically operated, driven both up and down by a double acting hydraulic ram ensuring a positive action at all times without reliance on gravity for operation. The hydraulic power unit (HPU) is positioned locally within an externally rated cabinet and an emergency fast raise operation option is also available, along with other specific client requirements.

A Hostile Vehicle Mitigation (HVM) solution providing protection to sites from Vehicle Borne Improvised Explosive Device (VBIED) attack.

Developed and manufactured by engineers with significant experience in the fields of high security and access control, the RB780CR K4 is a highly dependable security product and is an ideal and cost-effective product to protect high security establishments and critical infrastructure.

### Features

- Physically impact tested
- Manufactured from heavy gauge materials
- Manual hand pump facility
- Programmable logic control system
- 100% duty cycling
- Fully clad base

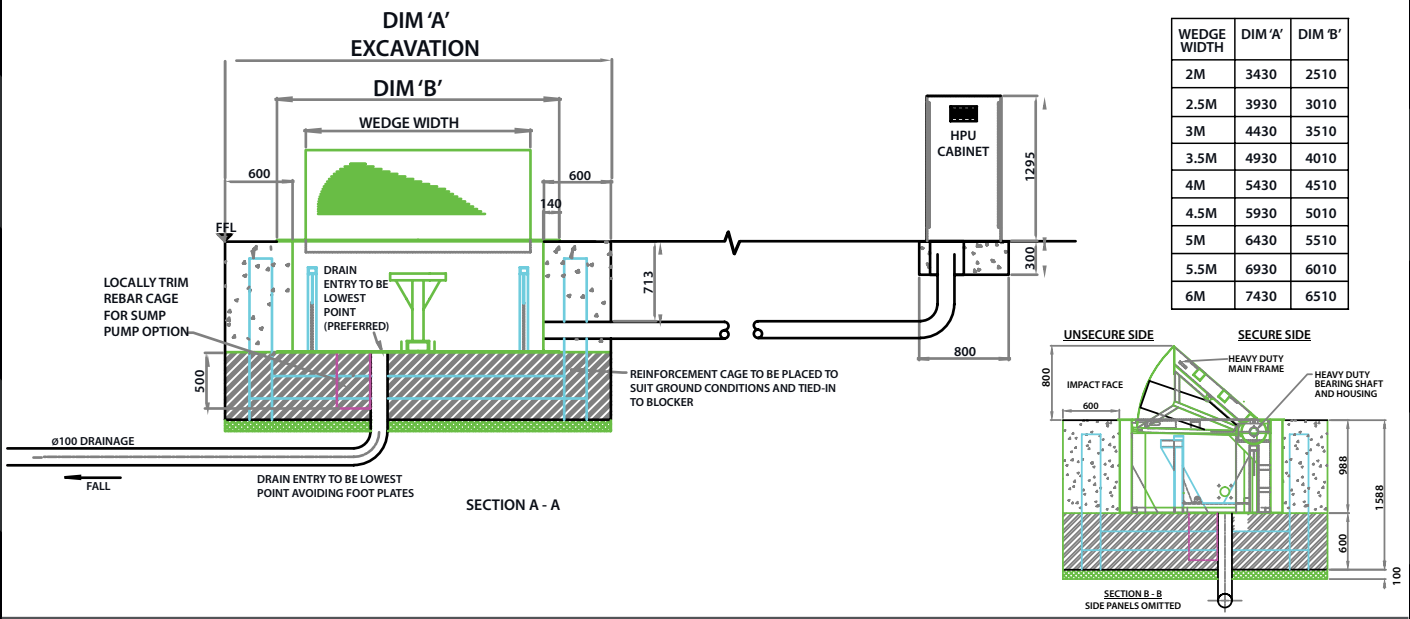
### Benefits

- Confidence in proven performance
- Strength and durability
- Operational under power failure conditions
- Flexibility to interface with all forms of access control
- Reliable and dependable
- Simple to install

**Hostile Vehicle Mitigation**

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# Technical Specification RB780CR K4 Chieftain Blocker



The RB780CR K4 road blocker comes with a push-button control as standard. However, it can be customised to interface with a wide range of access control equipment to suit specific customer requirements. Available configurations include (but are not limited to) inductive loop systems, card readers, communication equipment and manned guard emergency systems.



## Technical Details

Physical Dimensions:	HPU Cabinet - 640/940mm W x 670mm D x 1300mm H Blocker widths available 2-6 metres in 500mm increments	2m Road Blocker - 2510mm W x 1770mm D x 1000mm H
Basic Power Requirements:	3-Phase 415V AC, 50Hz, (other voltages are available)	
Control Voltage:	S.E.L.V 24v	
Performance:	Loading 30 Tonnes	
Vehicle Test Weight:	7650kg /16800 lb	
Test Classification:	Department of State SD-STD-2.01 revision A K4/L3 ~ ASTM 2656 M30/P1 Penetration: 500mm	
Tested Model:	800mmHx2.0mW	
Speed of Operation:	6 Seconds to raise or lower (other speeds available)	
Emergency Fast Raise:	<1 seconds to raise (option)	
Operating temperature range available:	-25°C - +70°C	
Construction:	The supporting framework is constructed from fully welded, heavy gauge, high strength, structural steels completely encased with steel sheets to provide a self-shuttered module. Sub-surface fixing points ensure the blocker is completely secured to its foundation.	

## Options Available

For safety reasons pedestrians, cyclists and motorcycles are advised not to use a blocker controlled roadway, additional safety measures can be incorporated into the blocker system if required.

Where the blockers control point is remote from the installation, we strongly recommend the fitting of a recordable CCTV system, traffic lights and inductive loop systems.

- Emergency fast raise system
- Access and intercom systems
- Inductive loop systems
- Emergency buttons with lock down
- UPS backup for the electrical system
- Traffic lights and back-indications systems
- Accumulator systems for hydraulic operation in power failure conditions
- Interlocking systems to give air-lock type protection on sites with higher threat levels
- Integral inset warning lights in blocking segment
- LPS 1175 cabinets available for HPU



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Avon Barrier reserve the right to change or amend the specification of its products from time to time in furtherance of its policy of continued improvements.

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