Avon Barrier

Avon EB950CR Armstrong Barrier

Avon EB950CR Armstrong Security Barriers provide a high level of protection where central roadway foundations are not possible / practical. Designed to complement the Avon Barrier range of Hostile Vehicle Mitigation (HVM) solutions, the EB950CR PAS 68 impact tested barrier can withstand direct impact forces in excess of 720 KJ, the barrier provides shallow mounted protection to sites from extreme Vehicle Borne Improvised Explosive Device (VBIED) attack.

Developed by our in-house engineering team using the Company's significant historical expertise in rising arm barrier solutions coupled with the experience of impact resistance theory, the EB950CR is a highly dependable security product that will easily interface with a wide range of control equipment. Assembled in our fabrication facilities using heavy gauge materials to give maximum strength and durability. The EB950CR is a traditional looking control barrier with the benefits of high level physical protection.

The EB950CR has been independently physically tested in a number of full scale crash tests conducted in accordance with PAS 68 by the Transport Research Laboratory (TRL).

Features

- Physically impact tested to PAS 68 criteria
- Shallow mounting from 450mm overall depth
- Manufactured from heavy gauge materials
- Manual hand pump facility
- Programmable controller
- 100% duty cycling

Benefits

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

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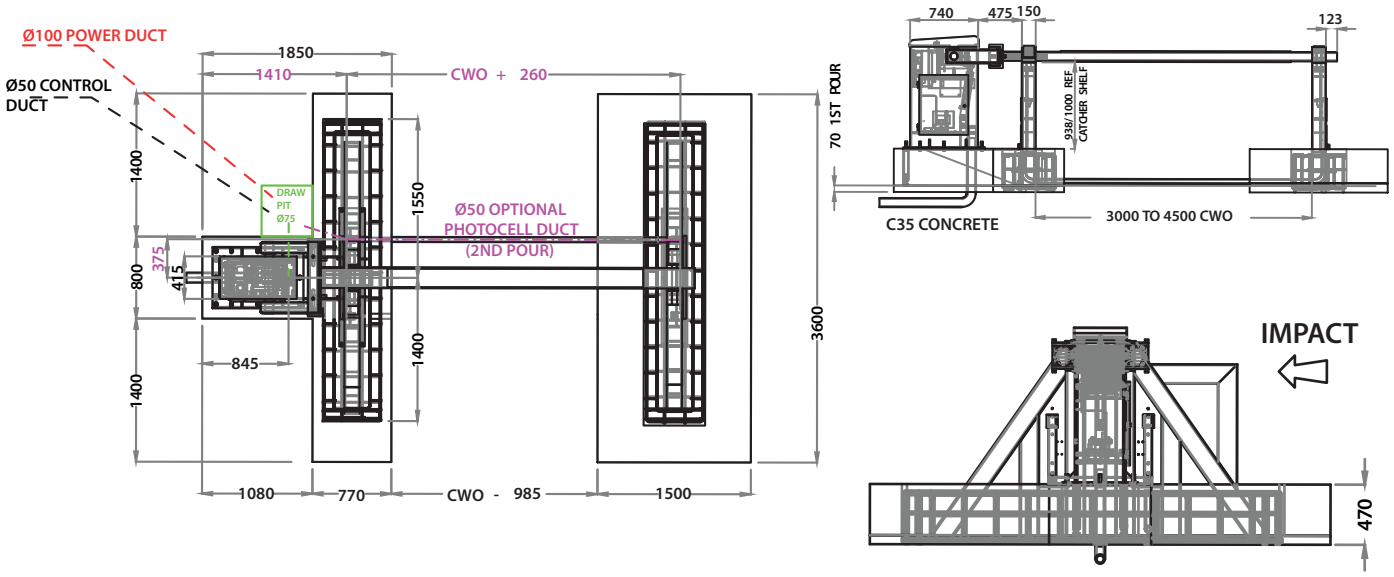
Technical Specification
EB950CR Armstrong Barrier



The barrier comes with a hold to run control as standard, the hydraulic power pack is controlled by a programmable controller. 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 and communication equipment can be accommodated.

In the event of power failure a manual pump is provided to ensure operator control is maintained.

Technical Details

Physical Dimensions:	600mm W x 890mm D x 1230mm H Barriers Arm - 5m max Barriers catcher foundations - 1500mm W x 3600mm D x 470mm H
Basic Power Requirements:	Single phase 220V AC, 50Hz, Min 16 Amps (dependant on configuration)
Control Voltage	S.E.L.V 24v
Impact Absorption:	723KJ (fully operational immediately after impact)
Full PAS68 Classification:	V/7500(N2)/48/90:0/0
Tested Model:	1m H x 3m W
Speed of Operation:	6 - 10 Seconds to raise or lower
Operating temperature range available:	-25°C - +70°C
Construction:	The boom catcher frames are fabricated from heavy steel sections, which are anchored into the foundations: they are designed to support the boom in the lowered position and to take a full impact load. The recess in the catchers prevents the boom from lifting when impacted. Outboard extensions inhibit the vehicle running up the catcher frame. The boom is fabricated from heavy steel section clamped to a lift yoke which is designed to slip through its clamp in the event of a collision, to engage under the catcher frame recesses. The lift assembly comprises twin cranks welded to a solid shaft, which rotates in non-metallic bearings. A heavy-duty steel yoke is welded to the outer ends of the shaft. The crank is rotated through 90 degrees by the action of a hydraulic cylinder. Main barrier cabinet is constructed from steel plate; it houses the hydraulic equipment/reservoir, drive mechanism and electrical enclosure.

Options Available

This is an armoured high security vehicle barrier and is designed not for use in areas used by pedestrians.

For safety reasons cyclists and motorcycles are advised not to use a barrier controlled roadway, additional safety measures can be incorporated into the barrier system if required. Where the security barrier control point is remote from the installation, we strongly recommend the fitting of a recordable CCTV system, traffic lights and safety inductive loop systems.

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

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