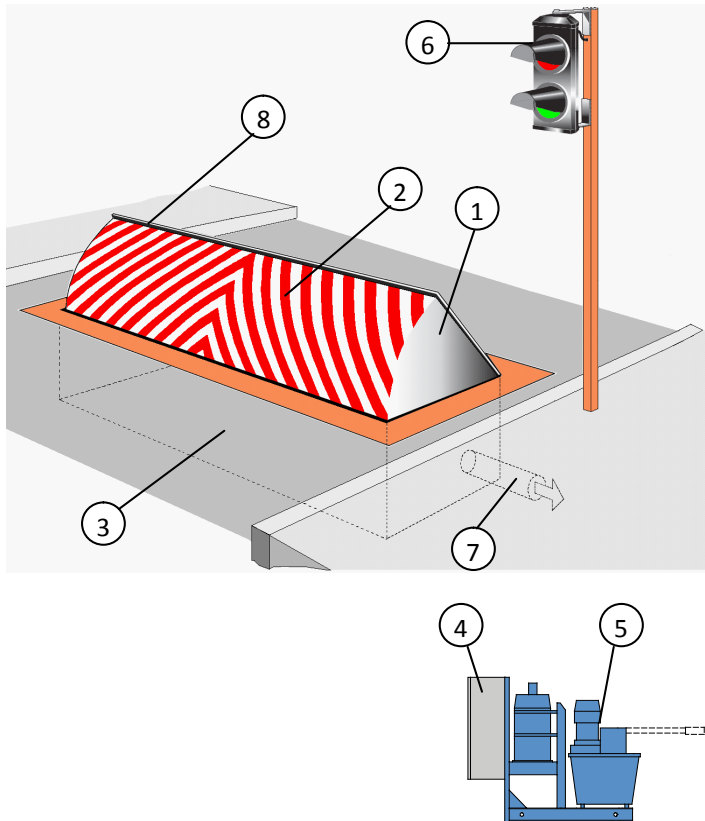


Description



The hydraulic road blocker RSB76H was designed as an effective means of controlling access to high security areas (Impact resistance: theoretical K4 - 610KJ) such as embassies, airports, strategic factory sites, etc ...The RSB76H offers the advantage of not requiring a side column to house the drive mechanism.

The hydraulic drive is operated by an energy accumulator that can be positioned as far away as 5 m (15 m optionally). This facilitates placing several barriers end to end to control exceptionally wide access points.

An energy reserve also allows up to 3 operating cycles in case of power failure.

The RSB76H is available in 3 widths: 3000, 3500 and 4000 mm (width of the rising obstacle)

1. Frame of thick section galvanized steel profiles. The obstacle unit is articulated on a hinge (axle in stainless steel). The obstacle is operated by 1 heavy duty ram. Two other small rams ensure the effective locking of the obstacle in raised position, for ensuring proper resistance to an impact whatever its direction.
The position control of rams is made by waterproof inductive sensors, without any movable part likely to distort.
2. The barrier front face is formed by curved plating closed at both ends, white enamelled with chevron-shaped red reflecting stripes, which encloses the mechanism.
3. Galvanized metal frame sealed into the concrete pit.
4. AS1300 Control Board enabling various additional commands and/or accessory options.
5. Hydraulic power unit, to be placed separately from the RSB, containing:
 - motor,
 - hydraulic pump,
 - oil accumulator,
 - oil tank,
 - filter with plug and oil gauge,
 - two hydraulic valves,
 - manometer,
 - pressure regulator and security valve,
 - dip tray.

Note: As standard, the hydraulic power unit is installed on the left side of the mobile obstacle (see installation drawing).

To install it on the right side, please to mention it on the order because a small modification of the equipment is necessary.

6. Two-colour (green/red), unidirectional LED traffic light, delivered with wall mounted brackets.
Operating the RSB without traffic light is forbidden by Automatic Systems.
7. Duct linking the barrier to the power generator. The standard equipment includes flexible hoses of 5m.
8. Covering steel sheet for vehicules passage and access to hydraulic rams and position sensors for maintenance.
Treatment: sand + metalization + powder paint RAL 2000, thickness 80 to 100 microns.

Standard technical characteristics

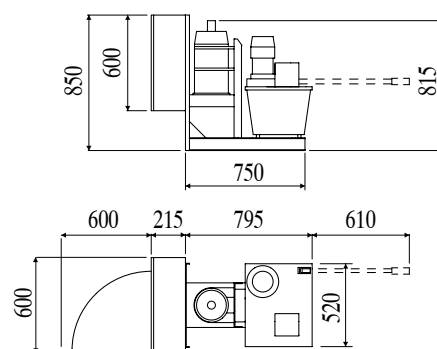
Impact resistance	DoS K4 (stops a 6,8 tons vehicle at 48 km/h); calculated numerically (finite elements).
Power supply	230/400V 3-phase (10A + N + GND)
Power consumption	max. 1,5 kW
Hydraulic fluid	22 cSt oil
Operating temperature	-20°C* to + 50°C (* -40°C with adapted oil) Control unit to be kept in a room between 0°C and +40°C, within 5 m of RSB (length of hydraulic hoses).
Net weight	1170 kg (obstacle 3000 mm) 1372 kg (obstacle 3500 mm) 1575 kg (obstacle 4000 mm)
Net weight of the hydraulic power unit + control unit	175 kg
Operating time	3 seconds (depending on the oil temperature and the length of the hoses between the hydraulic power unit and the obstacle)
Maximum load allowed	20 tons per axle
MCBF (Mean Cycles Between Failures)	1,500,000 cycles, when respecting recommended maintenance.
IP	RSB: IP44, if the concrete pit is correctly drained. Hydraulic power unit: IP54.
Compliance	CE

Options

- Additional LED traffic light.
- Post to install traffic light(s) (standard AS model)
- Push button box (open - stop - close).
- Longer hydraulic hose: 10 or 15 m.
- Vehicle presence detector with inductive loop.
- Safety cell Transmitter / Receiver on post.
- UPS (emergency power supply for the control unit).
- Manual pump.

Work to be provided by the customer

- Power supply to the control unit.
- Electrical connection wiring (not provided) between the control unit, the traffic light(s) and the position sensors.
- Reinforced concrete pit with rainwater drainage and fixing frame installation (3).
- Installation of hoses between the pit and the power generator unit.



Standard dimensions (mm) (not contractual)

