

## GENERAL VIEW OF RAB-800



## GENERAL DESCRIPTION

Optima RAB-800 built-in pump hydraulic retractable bollards are designed for high-security vehicle entrances, military, industrial, governmental and commercial buildings or streets which are closed to vehicle traffic between certain hours of the day. They can be installed as a single bollard as well as in a group of bollards.

## STEEL STRUCTURE

The rising section of the bollard is manufactured from S235JR Steel (St37) steel tube. The outer surface of the steel tube is clad by AISI 316 stainless steel material. The roadway surface area is covered by a heavy-duty plate. The bollard and foundation tube are mounted into a reinforced concrete foundation. Bollard is designed to withstand 50 tons of axle loads when lowered.

## HYDRAULIC POWER UNIT AND CONTROL ELECTRONICS

Heaters can be integrated into the hydraulic power unit in extreme weather conditions (optional). Cooler fans are included in the system. Control electronics utilized in retractable hydraulic bollards are using the Optima PLC control card. AC electric motor is driven by a contactor and protected by a thermic breaker. All the cables running in the system are color-coded and numbered to ease tracking. LED lights are located top of the bollard flash during operation.

## ENVIRONMENTAL CONDITIONS AND POWER REQUIREMENT

Between -15°C and +65°C, 95% non condensing humidity, 220-240 VAC, monophase, 50/60Hz (three phases 380VAC option available).

## SECURITY SYSTEMS | RAB-800 HYDRAULIC RETRACTABLE BOLLARD (BUILT IN PUMP)

### OPTIONAL ACCESSORIES

- ⇒ Red/green traffic lights with steel pole.
- ⇒ Safety photocell.
- ⇒ Stand and casing for safety photocell.
- ⇒ Dual vehicle safety loop detector.
- ⇒ Uninterrupted power supply (UPS).
- ⇒ Submersible drainage pump.
- ⇒ Radio receiver & antenna.
- ⇒ Radio transmitter.
- ⇒ Wrong way alarm.
- ⇒ High speed alarm.
- ⇒ SCADA or any control system: It is possible to change and check the position of bollard with touch screen control panel, mobile devices (ios-android), computer, etc.

### MODELS

- ⇒ Diameter: 168-219-273-324-355mm.
- ⇒ Raised height : From 400mm to 1000mm (Standard height: 800mm).

### MAIN BODY FOUNDATION DIMENSIONS

