



## VERTICAL PIVOT CRASH BARRIER SYSTEMS (VPCB)

- ◆ MODEL VPCB-M30 (STD. FOUNDATION)
  - ◆ VPCB-M30-SF (SHALLOW FOUNDATION)
  - ◆ VPCB-M50 (STD. FOUNDATION)
- ### PRODUCT SPECIFICATIONS

#### General Information

<b>Ratings:</b> ASTM F2656-07 Standard. M30/P1 & M50/P1 and listed on the DoD Anti-Ram Vehicle Barrier List.
<b>Power Supply Options:</b> 120VAC-Single Phase, 20 Amp Service. 240VAC—Single Phase, 20 Amp Service. <b>Note:</b> Extreme cold heat package requires an additional 15 Amp Service.
<b>Batteries &amp; Charging System:</b> Built-in Battery Backup. Two 12v Batteries Required (Field Supplied). <b>Recommended Batteries:</b> Group 24, Sealed Marine Starting.
<b>Arm Limit/Position Sensor (LPS):</b> Self aware of gate position at all times. Open and Closed Limit Positions.
<b>Open/Closing Speed:</b> 12-15 seconds Std.
<b>Shipping Weight:</b> Typical (Includes Drop arm/gate system and Bolsters) <b>Gate &amp; Operator weight:</b> 2000 lbs. <b>Bolsters:</b> VPCB-M30: 3,000 lbs. VPCB-M30SF: 5,200 lbs. VPCB-M50: 5,300 lbs.
<b>Concrete:</b> 4,000 psi with non-shrinking additives.
<b>Warranty:</b> Industrial/Commercial (3 years) from date of shipment on manufactured components workmanship. Purchased components and accessories are covered under their respective warranties. <i>(See full warranty for details)</i>
<b>Optional Accessories:</b> Loop Detectors, Gear Motor Heater, Extreme Cold Package, MUTCD Reflective Tape, LED Warning lights, Audible Devices, and Emergency Access Systems. (SOS, Opticom, Click to Enter, Key Box/Switch, etc.)
<b>Transport Maintenance Pin (T/M):</b> used for transport, maintenance to negate movement of Drop arm/gate panel.

#### Motor & Drive System

<b>RAD (Right Angle Drive):</b> 1/2 HP, Gear Type, Right Angle Locking Worm Drive, Multi-Temp Synthetic Lube, Equipped with disengage lever for Manual Operation.
Multi Belt/High torque dual reduction system, Counter Balanced for smooth operation.

#### Operator

<b>Construction:</b> Frame - 2" Sq., 11 Ga. (.120). Mounting Pads-304 SS. Skins-18 Ga. Galvanneal.
<b>Gate Mounting Hardware:</b> 304 Stainless Steel.
<b>Operator size:</b> 68" Length, 52" Height, 39" Width.
<b>Paint:</b> Standard Color - Black, powder coated. Spray applied colors are Commercial Coating 2-part High Solids Polyurethane. <b>Standard Spray Colors:</b> White, Brown, Green, and Gray. Custom colors available.

#### Genesis™ Control Board

Solid State coated programmable control board in an electrical enclosure (Tested to -40° F).
<b>Security Breach Protection:</b> Built in 24V brake when A/C or battery is present. Optional internal locking Solenoid mechanism.
Built in sensor for real time barrier position.
<b>Monitored Inputs:</b> Open - 2 inputs , Close - 2 inputs and an additional (2) programmable inputs for Open or Close.
<b>Programmable Inputs, Outputs, &amp; Relays:</b> The Genesis board has 2 programmable inputs, 2 programmable outputs, and 2 built in relays for configuration and integration.
<b>Control Wiring:</b> 16 & 18 Ga. Single conductor. Copper with electronic compression terminals tin-plated for max corrosion prevention. Non-AutoGate components, accessories, and access control is per individual manufacturer instruction. Contact AutoGate with questions.
<b>Delayed Closing:</b> Programmable from 0 - 90 seconds. <b>Preemptive outputs:</b> 1 - 5 seconds before gate moves.

#### Arm & Gate Construction

Systems are available in barrier arm only for forced vehicular entry denial and with a full gate panel fabricated to the barrier arm for anti-personnel capabilities.
<b>Available clear open lengths:</b> <b>M30:</b> 19' with barrier arm only and 17' with gate panel fabricated to drop arm/gate. <b>M50:</b> 17' with barrier arm only and 15' with gate panel fabricated to drop arm/gate.
<b>Barrier Arm Construction:</b> 6063 3/16" channel and 5052 3/16" plate. <b>Locking Pins:</b> 4140 Steel. <b>Gate Construction:</b> 2 1/2" Sq. , 7 Ga. (.187) Aluminum Tubing.
<b>Gate Max Length:</b> 19' Overall length (17' clear open section). <b>Gate Heights:</b> 6' - 9' from pad grade. Consult factory for gates over 8' high as they require special crating and freight arrangements.
<b>Picket Construction:</b> Aluminum-3/4" Sq. 1/8" wall is standard. <b>Note:</b> Contact factory for special sizes, spacing, and custom materials.
<b>Chain Link Fabric:</b> Steel 9 Ga. Alum Fabric is standard on larger gates (Vinyl coated fabric available).
<b>Drop Arm &amp; Gate Paint:</b> Spray applied colors are Commercial Coating 2-part High Solids Polyurethane. <b>Standard Spray Colors:</b> Black, White, Brown, Green, and Gray. Custom colors available.