

VEHICLE RESTRAINT

MODEL STRONGARM™ SVR303 – HYDRAULIC

SPECIFICATIONS:

Vehicle restraint shall be **Model SVR303** as manufactured by BLUE GIANT and come complete with Blue Genius™ Touch Controls with interior/exterior communications light package and driver warning signs.

TYPE:

Electro-hydraulic operated non-impact design. Wall or ground mounted. Overall body dimensions 15 ½"W x 33"L x 8"H (394 x 838 x 203mm).

FUNCTION:

Vertical Restraining Range: From 8" to 26" (203mm to 660mm) above grade, minimum 4" (102mm) contact required.

Horizontal Restraining Range: From 0" to 12" (305mm) beyond the face of the dock.

Mounting System: Dock face mounting using four (4) heavy duty wedge anchor bolts ¾" dia. x 6" long (20 x 152mm). Transfer of pulling force to driveway improves restraining strength by equalizing forces on anchors. Trailer rear impact guard (ICC bar) during backing-in does not impact restraint's body.

OPERATION:

Operating System: 1HP totally enclosed non-ventilated (TENV) motor available in all standard voltages, to be mounted in remote location with 20' (6096mm) hydraulic hoses and bracket. 24V control, NEMA6/IP65 (submersible, wet and corrosion resistant) rated control station with touch buttons for engaging, disengaging, and resetting the restraint. Onboard diagnostics and communications feature a user-friendly LCD intelligent display and keypad with supervisory override features. STOP button provides complete motion freeze of restraint and interlocked components. Intelligent positioning system ensures proper communications and positive locking of the restraint arm.

Control Station: The Blue Genius™ Gold Series II is a multiple touch button control station with constant pressure "ENGAGE", and "RELEASE" buttons. NEMA4X/IP65 (wet and corrosion resistant) rated polycarbonate enclosure. Overall dimensions 11¼"L x 7½"W x 5½"D (287 x 190 x 140mm) with programmable multi-instructional languages.

Lights Communication System: Advanced communication package includes LED interior red/yellow/green lights mounted on controller and exterior red/green traffic lights mounted on wall, along with mirror image driver warning signs. The lighting system alerts both dock attendant and truck driver to the status of the restraint. If vehicle has no restraining ICC bar, the interior communications lights will remain red while flashing yellow, and the exterior traffic lights will remain red, warning the dock attendant that the vehicle is not secured and requires wheel chocks.

RATED CAPACITY / DESIGN:

Welding procedure compliant with ANSI AWS D1.1 (2008) specifications. Unit provides restraining strength of 35,000lb (15,909kg) and mounting force of 100,000lb (45,454kg). Rated in compliance with ANSI MH30.3 (2005).

VOLTAGE SELECTIONS:

- 115V / 1PH Range: 110-130 / 50-60Hz
- 230V / 1PH Range: 208-240 / 50-60Hz
- 230V / 3PH Range: 208-240 / 50-60Hz
- 460V / 3PH Range: 380-480 / 50-60Hz
- 575V / 3PH Range: 575-600 / 60Hz

CONSTRUCTION AND FINISH:

Vehicle restraint: Welded structural steel housing. Restraint arm is constructed of two 1-1/4" (32mm) thick solid steel. The housing protects all components from damage from weather, dirt and debris. To resist corrosion and reduce maintenance, housing is zinc plated, main hinge pin is made of stainless steel, includes self-lubricating bushings and bearings and dual double acting cylinder rod has chrome coating. Overall dimensions including back mounting plate 15½"W x 33"L x 13"H (394 x 838 x 332mm).

Exterior LED Traffic Lights: Housing shall be one-piece, weatherproof constructed and made of ultra high molecular weight plastic. The lights shall be 4" (102mm) diameter of red and green color. Overall body 5"W x 11½"L x ½"D (127 x 292 x 13mm) in size.

WARRANTY:

Warranties are subject to standard limitations on liability. Please consult Blue Giant warranties at <http://www.BlueGiant.com> for full details on warranty information and product registration.

STANDARD ACCESSORIES:

- Wall bracket for power pack and 20' (6096mm) hydraulic hoses
- Manual release (to lower the restraining arm in event of power failure)
- Four mounting bolts
- Blue Genius™ advanced communication package (includes LED interior red/yellow/green and exterior red/green traffic lights and driver warning signs)
- Interlock control station with interlock sensor to advise when dock is parked
- Stop button that permits the operator to halt the restraint in mid-motion should an unsafe condition arise

OPTIONAL ACCESSORIES:

- Audible alarm helps warn the dock attendant when the trailer's rear impact guard does not engage the restraint.
- Extension plates to suit extended dock leveler pits and edge of dock levelers
- Pour-in place bracket for new construction installation
- Overhead door interlock photo sensor (24 VDC)
- Weather/debris seal kit, includes vinyl bellows for extreme environmental conditions
- Standard oil (temperature range of -41 to 200°C / -42°F to 392 °F)
- Arctic oil (temperature range of -57 to 150°C / 71 to 302 °F)-recommended for temperatures below minus 7°C / 18°F

Loading Dock Equipment

s p e c i f i c a t i o n s

BLUE GIANT®

- Biodegradable oil (temperature range of -36 to 230°C / 33 to 446 °F) in lieu of standard hydraulic oil –environmentally friendly
- Blue Genius™ Gold Series III Control Panel to interlock dock leveler and restraint functions
- Pit-mounted hydraulic power pack with 14' (4267mm) of hydraulic hose