



## Universal\* Wedge HPU Replacement

Retrofit most vehicle barrier HPUs at a fraction of the cost of complete wedge replacement. Outperforms, outlives OEM systems. Little or no site work to impair facility use, or compromise security.

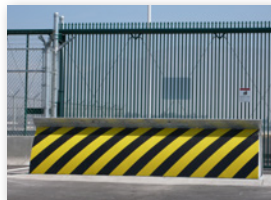
- 5-year warranty. Unparalleled reliability.
- Field programmable to specific site requirements
- No crane required. Light enough to install with loader or forklift.
- Heavy duty up to thousands of cycles per day.
- Two models. "Single Acting" (aka: gravity down) systems that utilize gravity to bring the wedge plate down or "Double Acting" systems that require pressure for up/down activation.
- 3 - 5 seconds Open/Close. 1 - 2 second FAST EFO. Dependent on wedge specs.
- Wide temperature range -40° to 158°F (-40° to 70°C)
- Integrated manifold with state-of-the-art cartridge valves yields high performance in a compact, easy to service, package.
- Small system footprint. Compact power and control design reduces system footprint to a fraction of competitors'.



### RETROFIT

Delta Scientific, Ross Technology, Nasatka, B&B ARMR, SecureUSA®, APSG, Ameristar®, FutureNet, Western Industries, others ...

SecureUSA is a registered trademark of SecureUSA, Inc. Ameristar is a registered trademark of Ameristar Corporation.

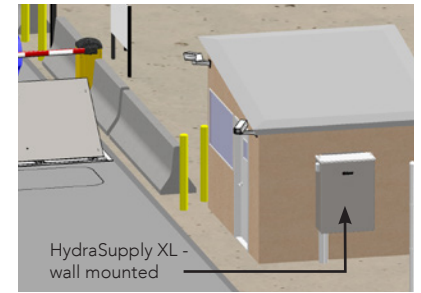


\*HydraSupply XL retrofits most manufacturer's vehicle barrier wedges. Contact HySecurity sales at 800-321-9947 to confirm wedge specifications.

# Wedge HPU replacement

**Eliminate costly, custom, PLC dependencies.** HydraSupply XL features Smart Touch, a compact, powerful, programmable, embedded controller, putting vehicle barrier sequencing and management in the palm of authorized users' hands.

**The HydraSupply XL Universal HPU** cabinet houses the hydraulic pump pack, motor, Smart Touch Controller, heater, batteries and accumulator. Wall or post mounted on a separate foundation which must be erected on site. The ventilated cabinet, with optional heater, can be installed up to 80 feet (25 m) from the wedge.



## HydraSupply XL™ Universal\* HPU

Model	Single Acting AC (gravity down)	Double Acting AC	Single Acting DC	Double Acting DC
Duty Cycle	100/hr depends on wedge		100/hr depends on wedge	
Horsepower	5 hp		4 hp	
Drive	Hydraulic			
Open/Close Time	3-5 seconds, dependent on wedge specs			
Emergency Fast Operate	1-2 seconds, dependent on wedge specs			
Manual Operation	Hand pump (standard)			
UPS	Standard model generates multiple cycles from fully charged accumulator.		Up to hundreds of cycles after AC power loss with DC Power Supply w/ HyCharger DC™ **	
Accumulator Backup Cycles: Either normal or EFO	up to 3 cycles with 2.5 gallon accumulator	up to 3 cycles with 5 gallon accumulator	up to 3 cycles with 2.5 gallon accumulator	up to 3 cycles with 5 gallon accumulator
Accumulator	2.5 or 5 gallon	5 gallon	2.5 or 5 gallon	5 gallon
Reservoir size	7 gallon			
Operating Pressure	2500 psi			
Max cylinder size	One cylinder - 4 x 12 inch			
Temperature Rating	-40° to 158° F (-40° to 70° C) or -10° to 158° F (-23° to 70° C) HySecurity specified biodegradable fluid			
1 Phase Power	208/230V 60Hz 220V 50Hz	230V 60Hz 220V 50Hz	115V 60/50Hz 23A † or 208-230V 60/50Hz 11.5A. Choose voltage with care as chargers are not field convertible.	115V 50/60Hz 23A † or 208-230V 50/60Hz 11.5A. Choose voltage with care as chargers are not field convertible.
3 Phase Power	208/230/460V or 575V 60Hz; 220/380/440V 50Hz	208/230/460V or 575V 60Hz; 220/380/440V 50Hz	n/a	
Batteries	Two 8Ah batteries maintain low voltage to the controls for 24 hours after AC power loss		Two 110 Ah batteries located in separate DC UPS enclosure	
Communication	RS-232, RS-485, Ethernet/fiber using optional HyNet™ Gateway accessory			
User Controls	Smart Touch Controller with 70+ configurable options. Smart Touch keypad and display or a PC using S.T.A.R.T. software.			
Relays	Three configurable user relays: one 30VDC, 3A solid state and two 250VAC, 10A electromechanical; Optional Hy8Relay™ for 8 additional relay outputs			
Enclosure	Type 3R, 91w x 122h x 41d cm (36w x 48h x 16d inch), optional NEMA 4X		HydraSupply XL: Type 3R, 91w x 122h x 41d cm (36w x 48h x 16d inch), optional NEMA 4X DC Power Supply: Type 3R, 76w x 76h x 30d cm (30w x 30h x 12d inch)	
Finish	Gray polyester powdered paint finish over galvanized steel			
Electrical Certification	Control panel certified to UL 508A by ETL			
Warranty	5 year			

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\*\* The operator's normal duty cycle and the actual number of combined cycles available from batteries depends upon wedge plate weight, number of batteries, state of charge and health, ambient temperature, accessory power draw and length of power outage.

† 115V input requires 30A branch circuit.