When you’re pulling a trailer and facing an emergency stop, a fraction of a second can translate into a few too many feet in stopping distance. Cargo’s Hydrastar trailer brake actuators deliver the industry’s fastest response time to provide maximum braking safety for your towed trailer/vehicle.

Industry leading Hydrastar actuators are easy to install and meet all DOT and federal braking requirements – unlike surge brakes which are illegal in many states. Hydrastar has improved the stopping performance for trailers hauling boats, RV/towables, horses, cars, construction and farm equipment, and many other loads.

Fastest response time = shortest stopping distance with Hydrastar® Trailer Brake Actuators

Check out Hydrastar, the fastest responding trailer brake actuator, call 812-655-4544 or visit www.cargotowingsolutions.com
Get a faster response with the leader in trailer brake actuators... **Cargo**

**Specifications:**

- **In cab controller required** – See instruction manual or our website for a list of approved controllers
- **12 volt DC operation** – Federal regulations require a battery and breakaway kit on trailer. Cargo (HBA-BA) kit recommended, works with any 5 amp hr. breakaway kit
- **Electrical connections** – Recommended minimum wire; 12-gauge for splicing into power, ground and breakaway; 16-gauge for controller output
- **Hydraulic brakes** – For use with DOT 3 or DOT 4 brake fluid systems
- **Output pressure** – 1000, 1200, or 1600 psi pressures for various trailer brake configurations - prevents over pressurizing your brakes and damaging seals
- **Trailer-mounted and self-contained weather tight enclosure**
- **Dimensions** – 11.8” long x 3” wide x 7.3” high, shipping weight 12 lbs.
- **Accessories** –
  - Breakaway battery kit (HBA-BA)
  - Automatically applies the trailer brakes in the event the trailer and towing vehicle become separated
  - 1/4” line adapter (HBA-BLC)
  - Allows conversion to 1/4” brake line
  - 1/4” brake lines improve braking performance on trailers over 20’ and/or with triple axles

**HydraStar® Model Numbers**

- **HBA10** 1000psi HydraStar Brake Actuator (For drum brakes)*
- **HBA12** 1200psi HydraStar Brake Actuator (For 8k and larger drum brakes)*
- **HBA16** 1600psi HydraStar Brake Actuator (For disc brakes)*
- **HBA-BA** Electronic Breakaway Kit/5 Amp hour Battery Pack
- **HSC** In-cab controller

*Check with your brake manufacturer for pressure requirements

**Superior to Surge Brakes**

In addition to optimizing your trailer brake system for greater control and safety, HydraStar actuators solve many of the problems associated with traditional surge brake systems.

- Meets all DOT regulations and complies with CFR-393 federal braking requirements, as opposed to surge brakes
- Eliminates the feel of being “pushed” by the trailer (reducing the potential for jackknife)
- Eliminates problems found when backing a trailer uphill with surge brakes
- Eliminates brake drag common with surge brakes on a downhill grade

**Cost effective replacement for vacuum over hydraulic systems**

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**Current Draw at 1,000 psi**

- **Cargo**
- **Brand B**
- **Brand D**