

# Delta T Systems STANDARD DAMPERS



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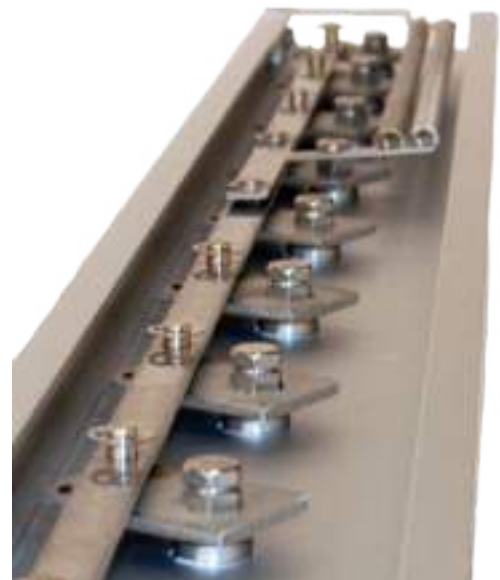


## Overview

Delta "T" Systems' robust rectangular dampers are custom sized and manufactured to any required specification. The frame and blades are manufactured from anodized marine grade aluminum. Powder coating in any color is also available to suit the application and add an extra level of protection. Both electric and pneumatic actuation are available for all size dampers and each actuation method provides a means for manual damper closure, if necessary.



All linkage and side seals are precision crafted from marine grade stainless steel for maximum service life and dependability in the harsh offshore environment. Rubber blade seals ensure a secure closure of any compartment when the damper is closed.



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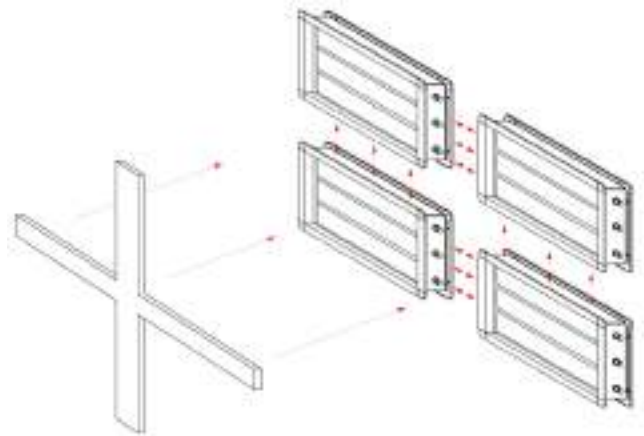
## Electric Actuation

Delta "T" Systems' electric actuation is available in both AC and DC power. The fail-safe nature of the electric actuation will automatically close the damper in the event of a power loss to the actuator.



## Multiple Damper Arrangements

Delta "T" Systems' line of rectangular dampers may be joined in a wide variety of configurations in order to provide closure to any size of space. This is true of our standard line of dampers as well as our A-60 rated line of fire dampers.



## Pneumatic Actuation

Pneumatic actuation of Delta "T" Systems' line of rectangular dampers requires only 70 PSI to release the blades and provide instantaneous spring loaded closure of the air duct. Pneumatic actuation may be achieved through an onboard pneumatic supply line or with an optional Actuator Gas Cylinder (Part Nos. 273-P150/12 or 273-P150/24) pictured to the right. Dampers may also be manually actuated and reset from outside of the damper housing.



# Delta T Systems

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### Overview

The Delta "T" Systems Round Dampers are designed to close couple directly to either end of Delta "T" Systems' Marine Axial Fans in standard sizes from 12 inches ID through 36 inches ID (305 mm to 914mm) to provide the safest, most compact, high volume ventilation component assembly available. The short casing design allows the damper blade to project into the open section of the plenum to minimize overall length. Dampers may also be installed independently within an air shaft or plenum if no fan is installed. Using silicone blade seals, these units are provided with a simple mounting flange for attachment. These dampers may be manufactured in any size between 12 inches ID through 36 inches ID (305 mm to 914mm) and are available in either aluminum or stainless steel. Delta "T" Systems Round Dampers may be closed using either pneumatic or electric actuation.

All actuators are suitable for use with CO<sub>2</sub>, Halon, FM-200 and other pressurized fire suppression systems and are U.S. Coast Guard (162.038/7/0), American Bureau of Shipping, UL (EX-2968) and Factory Mutual type approved.



### Pneumatic Actuation

Pneumatic actuation requires only 70 PSI to release the blade and provide instantaneous spring loaded closure of the air duct. Pneumatic actuation may be achieved through an onboard pneumatic supply line or with an optional Actuator Gas Cylinder (Part Nos. 273-P150/12 or 273-P150/24) pictured below. Dampers may also be manually actuated and reset from outside of the damper housing.



### Electric Actuation

Electric actuation is available in AC and DC power to suit any application. Electrically actuated dampers may be opened and closed manually. A built in fail-safe mode will automatically close the damper in the event of a power loss to the actuator.

