

# Stack Dampers

*Stack dampers from Forney can help improve the efficiency of your plant.*

## Product Overview

Stack dampers are used to reduce heat loss and prevent rain water from entering your process. Due to the environment these dampers are subject to, it is important that you choose a durable damper from a reliable manufacturer.

Forney supplies a complete line of high quality stack dampers to utility and heavy industrial customers. Forney dampers utilize field proven designs into a unique engineered solution to meet your plants specific needs. Proper functioning dampers are vital to the operation of your plant, so we put our design emphasis on areas critical to the effectiveness and life of the damper. Forney's stack damper can automatically open when excess pressure builds up in the boiler preventing internal damage.

These items combine to make the difference between an adequate damper and one that is truly reliable, durable and economical to maintain.



## Features

### DURABLE CONSTRUCTION

- Standard material used is ASTM A36 carbon steel; however other material such as ASTM A588 Cor-Ten, A516 or 304 stainless steel can be used.
- A rain trough with drain directs water through the frame by a threaded pipe which can be added to for a more desirable location.
- Four (4) lifting lugs are evenly spaced around the frame for crane pickup.

### RELIABLE OPERATION

- Redundant limit switches are provided on the non-drive shaft.
- The actuator is equipped with a 4-20ma feedback positioner to track precisely where the blades are during cycling.

### SIMPLIFIED MAINTENANCE

- Two 6" diameter view ports are mounted 180 degrees apart.
- Blades can be designed for 500 lbs point load with mechanical lockouts on each blade to support maintenance personnel for internal service.
- All Forney stack dampers have OSHA approved linkage guards to protection personnel around the stack damper.

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## Damper Specifications

Size	up to 360 inches (9150 m)
Temperature Range:	up to 500°F (260°C)
Pressure:	up to 30" w.c. (75 mbar)
Frame Materials:	Standard: ASTM A36 carbon steel; Optional: ASTM A588 Cor-Ten, A516 or 304 stainless steel
Shaft Material:	316 Stainless steel
Blade stops:	Open position and Closed position with trough
Linkage:	Adjustable
Actuation:	Electric, pneumatic, or hydraulic
Insulation:	External upon request
Blade design:	Reinforced Airfoil Two blade, four blade or multi-blade louver damper
Blade Material:	Standard: ASTM A36 carbon steel; Optional: ASTM A588 Cor-Ten, A516 or 304 stainless steel
Damper position indicator:	Mechanical, limit switches, or position transmitter
Leakage:	Less than 0.5%
Pressure Drop:	Below 0.1" w.c. at full open
Seals:	Between blade tips - Hastelloy C-276

