



STACK/WEATHER DAMPER for GT exhaust and bypass stacks

The Bachmann Industries stack damper, also known as a weather damper, is the ideal solution for closure and isolation of heat recovery steam generator (HRSG) exhaust and bypass stacks.

This damper serves a dual purpose by preventing heat loss from the HRSG while preventing moisture from entering it. When used on a bypass stack, moisture is prevented from entering the diverter.

Bachmann's state-of-the-art equipment incorporates proven technology, ensuring the top performing product on the market today.

Custom-engineered to meet each project's specific requirements, the damper frame is constructed from either structural angle for flange attachment, or formed plate for seal welding to the stack.



The frame material and thickness are carefully selected to match that of the stack. internal or external insulation can also be used to match the stack's insulation.

The Bachmann stack damper is designed with rain gutters attached to the inside or outside the frame and sloped damper blades that allow water to flow into the gutters for drainage away from the stack.



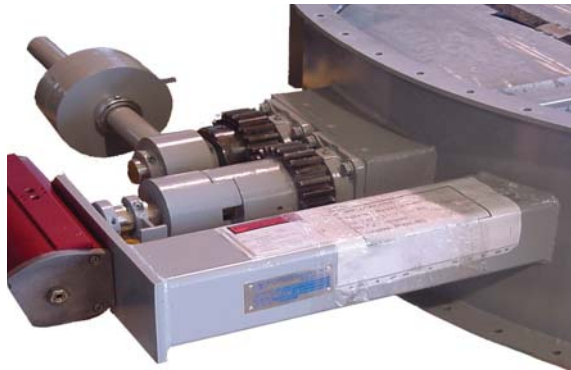


STACK/WEATHER DAMPER

Positive Closure to Keep Heat In, Moisture Out

Actuation and Settings

To minimize actuation torque, the damper blades are balanced and fabricated from plate with reinforcing ribs or corrugations as required. When automatic pressure relief is required, the shafts are offset and adjustment weights are provided to set the required relief pressure.



The damper is operated by electric or pneumatic actuation designed with appropriate torque margin.

Fail settings can be designed for the open, close, or last position. Additionally, the blades may be set to automatically open, should the gas turbine be started prior to opening the Stack Damper. Every Stack Damper is equipped with shaft-mounted limit switches.

Benefits

- Faster boiler startup
- Increased plant efficiency and cost savings
- Proven Bachmann™ technology
- Reliable, high performance operation
- Quality construction for long service life

When the damper is located at the top of the stack, the actuator is shielded from the exhaust gases. If located in the stack or duct after the boiler (as in the case of most smaller stacks), Auma actuators are typically used to simplify installation.

Local and/or remote control panels are offered.



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