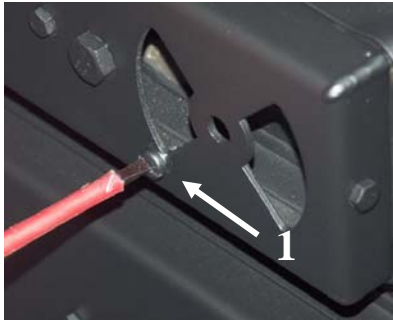


Fröling FHG Air Actuator Installation

These instructions are to be used with the boiler installation manual to help with the installation of the primary and secondary air actuators.

1. Install the air control rods for both the primary and secondary air.

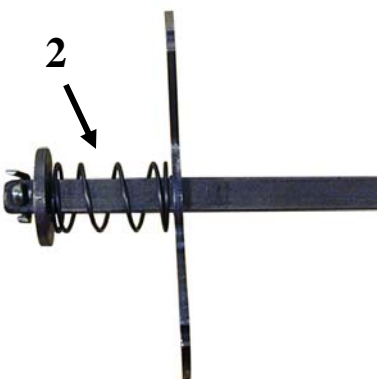


The butterfly valve stop screw (1) must be mounted on the side of the actuators. The picture to the left shows screw positions for actuators mounted on the right side of the boiler. **Do not tighten the stop screw. The air dampers will contact the threads of the screw, not the head.**



This image is showing the butterfly valve stop screws (1) on the left side of the boiler.

→ Note, right and left hand sides are based on the installer facing the loading door of the boiler.



To begin installing the air control rods, remove the cotter pin which is on the opposite side of the spring assembly (2). Insert the air control rods from the side opposite the side that actuators will be mounted on (3). The flap and spring (2) must be on the opposite side of the actuators.





Reinstall the flaps and cotter pins on the actuator side of the boiler. The flaps must match the position of the flaps on the opposite side.

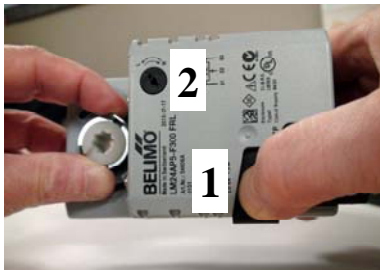


Install the actuator mounting brackets as shown.

2. After jacket assembly, the actuators can be mounted. Remember the following rule: Left, Left, Left.



Using pliers, turn the pneumatic rods counter-clockwise (**left**) until the butterfly valve stop set screw is reached. The air flaps will be closed when turned counter-clockwise.



Push in the safety-release button (**1**) and turn the actuator counter-clockwise (**left**) to position “0”.

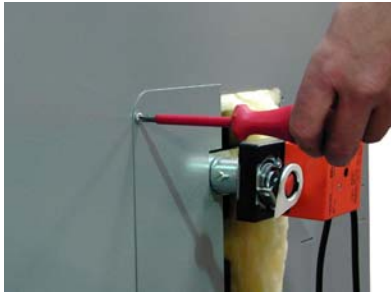
Make sure selector switch (**2**) is in the **left** (“L” position).



Attach the torque support to the back of the actuator. Slide the bolt head into the slot in the back of the actuator.



Use a mm 3 allen wrench to tighten set screw on torque support. Push the actuators and torque supports onto the air rods and mounting brackets. The wires exiting the actuators will be orientated toward the back of the boiler.



Attach the left and right hand cover plates using self-tapping screws.