



Maintenance

Dampers do not typically require maintenance provided they are kept clean and dry. Additional lubrication is not required for all moving parts. If additional lubrication of blades is desired, use a silicone or dry graphite lubricant. **Do not use petroleum-based lubricants or other lubricants that attract contaminants and collect dust.**

Installation guidelines

Dampers must be installed per all applicable UL approved installation instructions. Butterfly style dampers are shipped with the blades closed. The blades must be opened and fusible links installed during installation. Fasteners must not interfere with the operation of the damper. Dampers must be held and supported by the frame. Holding or supporting dampers by the blades, blade hinges, or springs may result in damage. Use hand tools to adjust dampers supplied with the volume control option, applying a maximum of 9 in.-lb. of torque to operate the controller.

Operational Testing

In order to operate butterfly style dampers, remove the fusible link and allow the blades to close freely. Pliers can be used to bend the tab holding the fusible link in place to allow removal. Inspect the fusible link for any corrosion, cracks, or damage and replace the link with the same model and temperature rating as necessary. Open the dampers blades and reinstall the fusible link.

In order to operate curtain style dampers, support the blade stack before removal of the fusible link. Note that some damper models are supplied with high tension closure-springs. Failure to support the blade stack once the link has been removed will result in rapid closure of the blades. Bend the metal straps so they are straight. Pliers can be used to bend the straps. Remove the fusible link from straps. Slowly slide the blade stack to the side of the damper frame. Inspect the fusible link for any corrosion, cracks, or damage. If necessary, replace the link with the same model and temperature rating. Slide the blade stack to the open position so that the blades fold like an accordion. Slide the fusible link onto the metal straps. Bend the metal straps up to hold the fusible link in place.

Troubleshooting Guide

Problem	Possible Cause	Solution
Damper does not operate, or will not open and/or close fully	Installation screws interfering with damper blade or linkage travel	Inspect and remove interfering screws or debris
	Frame is 'racked' causing blades to bind	Adjust frame to be square and plumb
	Contaminants on damper	Clean with compressed air, mild detergent or mild non-petroleum based solvent
Fusible link is separated	Excessive heat	Replace link. Note: If the damper is installed near a heat source (heat exchanger, burner, furnace, etc.) higher temperature links may be required to prevent unwanted closure.