



## BACK DRAFT DAMPERS

### HANDLING, INSTALLATION & MAINTENANCE

#### **HANDLING:**

Because of the nature of backdraft dampers, careful handling is the first step required for successful operation and performance. Backdraft dampers must be handled with care to prevent bending or twisting of frames, blades, linkage control parts and counter balance weights.

#### **INSTALLATION:**

In all cases, backdraft dampers must be installed squarely, without twisting or bending of frames, blades or linkages. Devices must not interfere with backdraft damper operation.

#### **MAINTENANCE:**

The severity of operating conditions will normally indicate the frequency of service maintenance. Severe and abrupt changes in temperature, humidity or dust particles in the air stream, can require a seasonal maintenance check. The recommended industry standard is normally every six months.

#### **A: LINKAGE**

Clean and lubricate, concealed channel linkage may require complete removal of damper

#### **B: BLADE SEALS**

Check for damage and replace if necessary. No need to remove the damper.

**C:** The steps to take if dampers do not close are as follows.

- 1) Adjust Counter Balance weights
  - 2) If step 1 fails, remove counter balance weights
  - 3) If step 2 fails, remove the counter balance brackets
  - 4) To achieve pressurization of room, remove counter balance weights, then re-install it on the air leaving side of the blade, or call our manufacturing plant.
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