SAF Series
Installation & Maintenance Instructions

RECEIVING INSPECTION

Check for damage or missing parts immediately upon receipt. Ensure that wheel rotates freely.
REPORT ANY DAMAGE PROMPTLY TO CARRIER.

INSTALLATION

Remove hood and filters from inside the cabinet. Caulk top of curb before setting unit in place. (Curb must be smaller than unit "A" dimension). Secure unit to curb though 8 - 5/16" holes located around the bottom of the unit. Tighten wheel set screw.

MOTOR & V-BELT DRIVES

Mount motor with hardware provided and install pulleys and belt(s) with proper tension. Follow illustrated recommendations on belt installation below.

BELT TENSION & PULLEY

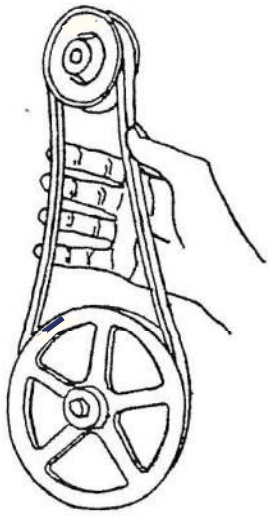
Excessive belt tension is the number 1 cause of blower bearing failure

Proper belt tension and pulley alignment are essential for trouble free operation.

A simple "Rule of Thumb" for checking belt tension is illustrated.

When the belt is grasped as shown, a total deflection of approximately 1" should be easily attained.

Insufficient deflection indicates that the belt is too tight, resulting in noise from excessive vibration, premature bearing failure, and short belt life. Tight belts may overload a motor that would otherwise be adequate.



Excessive deflection is an indication that the belt is not tight enough. If not corrected, slippage could cause loss of blower speed and belt failure through wear.

A belt should be just tight enough to avoid slippage.

Align pulleys with a straight edge to conserve belt life and eliminate unnecessary noise.

Check tension before start-up, after every pulley adjustment and regularly thereafter.

Set Screws:
Ensure all set screws on both pulleys and the blower wheel are tight.

HOOD AND FILTER INSTALLATION

Attach duct section when required (by others) to the SIS inlet flange. Drill 1/8" holes through duct and inlet flange and secure with sheet metal screws provided. Slide the hood (less filters) over the inlet flange and secure with sheet metal screws provided.
HOOD/DUCT OVERLAP SHOULD NOT EXCEED 1". Remove hood cap and slide filter(s) into "U" channels located on the inner sides of the hood. Replace cap.

ELECTRICAL

Connect motor in accordance with applicable codes using motor mounting hardware supplied. Provide properly sized motor overload protection against electrical faults and system changes. Confirm proper rotation on start-up.

MAINTENANCE

Inspect periodically for mounting rigidity. Check belt for wear and tear and tension. Adjust as required. Inspect wheel for dirt accumulation and clean as indicated. CAUTION: DO NOT DISLODGE BALANCING CLIPS. Check wheel set screws for tightness. Remove and clean washable filters periodically as required.

LUBRICATION

Models SAF-9 to SAF-18 use bearings with sealed-in lubricant. No further lubrication is required. Cast iron, pillow block, sealed type bearings with long term lithium based grease are used on model SIS-20. Re-lubrication is unnecessary under most operating conditions. If re-lubrication is required, lubricant should be compatible to Esso Beacon #325.