430 Stainless Steel Liner Break-In Procedure

The steel manufacture of the 430 Stainless Steel liner material requires a post weld heat treat to restore the material characteristics. This can be achieved through a break-in procedure and needs to be performed immediately after the duct system has been installed. The break-in procedure is designed to raise the temperature of the entire duct system to a temperature range between 302°F and 390°F (150°C to 200°C) for a duration of 1-2 or more hours.

If your kitchen can be readily placed into service, we suggest bringing your kitchen equipment on-line to break-in the duct system. If the system has installed but not placed into service, the steel manufacture requires the system to go through the break-in procedure immediately.

To break in the duct system, the entire length of duct will need to be heated to a temperature range between 302°F and 390°F and held constant within this temperature for an extended period (1-2 hours or more). The longer the duration of time held in the temperature range, the better the results will be. The following steps describe a proper break-in procedure.

1. Apply a heat source, such as a bullet or torpedo heater connected to the bottom (inlet) of the duct system.
2. Monitor and record the temperature during the test at the inlet and outlet of the duct system.
3. Maintain a temperature between 302°F and 390°F for 1 to 2 or more hours.

CAUTION: Do not exceed the maximum allowable service temperature of 400°F for the sealant during the break-in period.

Please provide documentation of the break-in procedure. This is required to maintain the factory warranty of the product.

- Date of the break-in procedure.
- Person(s) conducting the break-in procedure.
- The duration of time the system was held within the temperature range.
- The temperature readings recorded at the inlet/outlet.

Note: It is normal for a new duct that has not been placed into service to emit odor during the break-in procedure.

WARNING: Storing duct sections outside for extended periods of time before the break-in procedure has been completed may void the warranty. Not preforming the break-in procedure immediately after the installation is complete may void the factory warranty.

Van-Packer Co.