

**MODEL: SDF200**

## **WARNING**

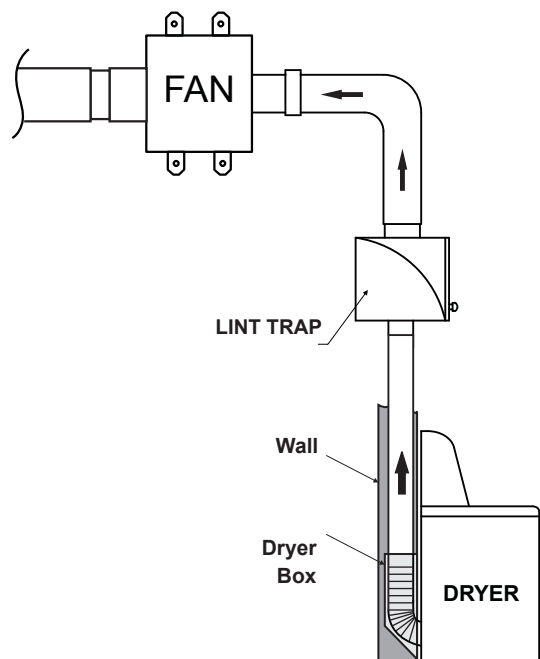
### **TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR INJURY, PLEASE OBSERVE THE FOLLOWING:**

1. Installation of these units and the corresponding electrical wiring must be done by a qualified person and be in accordance with all municipal and national codes and standards, including those related to fire rated construction.
2. Use this units only for intended applications and in the manner indicated by the manufacturer. If you have any questions please contact the manufacturer.
3. Before wiring, servicing or cleaning the units, switch power off at the service panel and lock it. If service panel is unlocked others could turn the power on unexpectedly and cause fatal electric shock to the installer or service person.
4. When cutting or drilling into wall or ceiling, make sure that you do not damage electrical wiring and other hidden utilities.
5. Always vent units to the outdoors, NOT into unventilated spaces such as garages, attics, crawl spaces, etc.
6. It is recommended that a Lint Trap be installed. Then the location of the Booster Fan can be 15' to 20' (10 linear feet) from the dryer.
7. The Booster Fan blade must be checked at least twice annually for lint accumulation.
8. All Fans should have backdraft damper at outlet. Fans with pressure sensing device must have wall-box equipped with backdraft damper as per drawing.
9. Do not install this fan where the temperature may exceed 60 degrees Celsius (140 degrees Fahrenheit).
10. Unit must be installed at least 8 feet above the floor on/in the ceiling or wall.
11. Do not install if duct work has been damaged or when there are restrictive turns reducing airflow.
12. Not intended for use in cooking areas.
13. Be sure the unit is oriented in the correct direction, i.e. intake on the dryers side, etc.
14. Sufficient air is needed for proper combustion and exhausting of gases through the flue (chimney) of fuel burning equipment to prevent backdrafting. Follow the heating equipment manufacturer's guideline and safety standards such as those published by the National Fire Protection Association (NFPA), and the American Society for Heating, Refrigeration and Air Conditioning Engineers (ASHRAE), and the local code authorities.
15. Ducted fans must be vented to the outdoors.
16. Do not suspend from lathing channels or drywall.
17. The unit must be grounded.

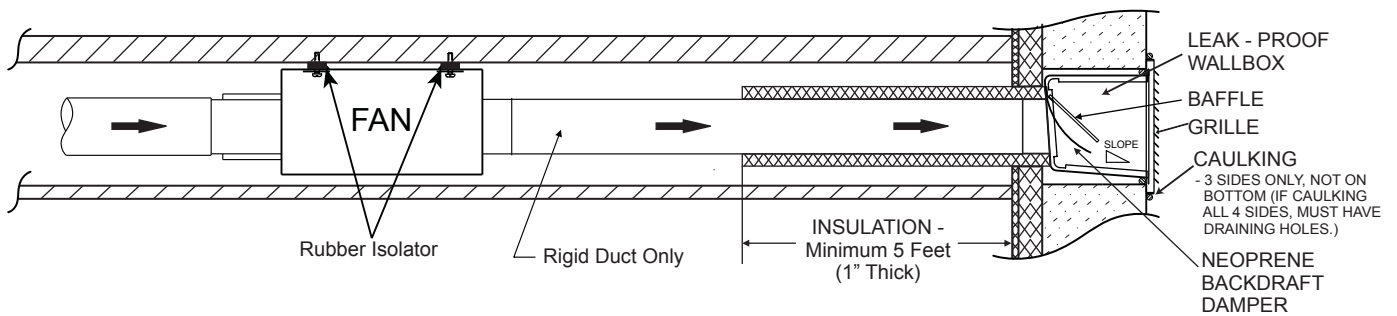
## **CAUTION**

1. These units are not to be used to exhaust hazardous or explosive gases.
2. To avoid damage to motor and impeller, keep construction materials such as dry wall spray, construction dust, construction debris, etc. off power units and ducts leading to units.

## **INSTALLATION INSTRUCTIONS**



# TYPICAL DUCT INSTALLATION

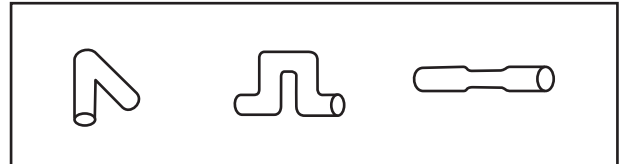


**NOTE:**

USE AS FEW ELBOWS AS POSSIBLE

We strongly recommend the ductwork be as straight as possible with minimal restriction to airflow.

Do not install and operate if you encounter ductwork in unusual configuration that would restrict airflow such as the following:

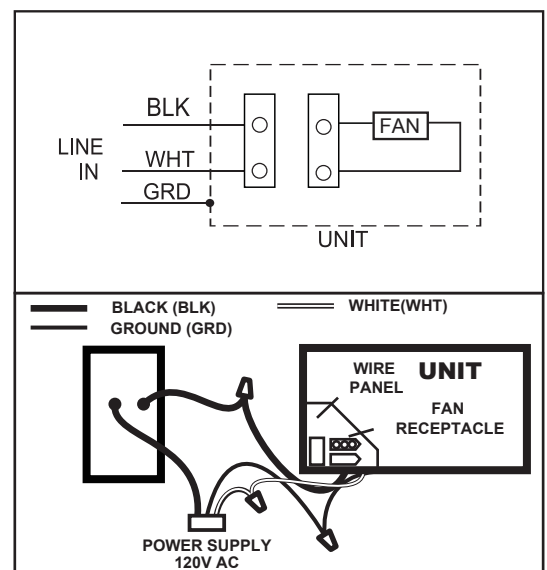


## CONNECT ELECTRICAL WIRING

Run 120 V AC house wiring to the location of the fan. Use only UL-approved connectors (not included) to attach the house wiring to the wiring plate. Refer to the wiring diagram, and connect the wires as shown.

**Note:**

Wiring the fan should be completed by a skilled licensed professional in accordance to all codes applicable to the municipality and/or national codes. Insure that the wing nuts on the access door panels are tight and secure. There are moving parts. Disconnect power supply preferably at the service panel. Connect to the control of your choice such as: Amp Sensor or Pressure Switch. Contact the manufacturer for further details if necessary.



## CLEANING INSTRUCTIONS:

1. Before cleaning the unit, switch power off at service panel and lock it. If service panel is unlocked others could turn the power on unexpectedly and cause fatal electric shock to the cleaner.
2. Make sure there is no power to the motor.
3. Clean blower wheel of lint accumulation with a cloth or small smooth brush as required (at least twice annually) by removing two wing nuts from the motor plate then motor will swing open.
4. Tighten the wing nuts after cleaning.
5. Turn the power "ON" and check if the fan is working properly.
6. It is recommended that a Lint Trap be installed.

## MOTOR REPLACEMENT PROCEDURE:

1. Disconnect power supply at the panel.
2. Remove the electrical box cover and disconnect the wiring to the motor and the ground wire.
3. Remove the motor from the motor plate.
4. Remove the mounting bracket from the old motor.
5. Install the mounting bracket to the new motor.
6. Install motor to the motor plate.
7. Tighten the wing nuts with washer and secure the motor plate.
8. Connect the electrical wires including the ground.
9. Replace the electrical cover.
10. Turn on power supply at the panel

