

INSTALLATION TIPS AND ADVICE

Important: Always refer to the installation manual for your specific dryer for exact dimensions, lengths, pressures, and instructions. The installation manuals can be found on this web site and a hard copy is provided in each machine.

A PROPERLY INSTALLED DRYER WILL PROVIDE MANY YEARS OF EFFICIENT OPERATION, FASTER DRYING, AND TROUBLE FREE USE.

EXHAUST

PROPER EXHAUST DESIGN IS A KEY ELEMENT FOR EFFICIENCY AND FAST DRYING

Points to remember when designing your exhaust system:

- Ductwork should be laid out in such a way that it travels as directly as possible to the outside, with as few bends as possible.
- Single or "independent" dryer venting is recommended. This will provide the most efficient and trouble free venting system possible.
- When connecting ductwork, always use special heat resistant tape rather than screws, which can collect lint and impede airflow through the system.
- Always use elbows pointing downward to end your ductwork run instead of caps, louvers, or screens, which will impede airflow and collect lint.
- When exhausting through a roof, always allow for a distance, which is at least two times the diameter of the vent between the nearest obstruction and the end of the vent.
- When possible, 90 degree bends should be avoided in favor of 45 degree bends. When using 90 degree bends, be sure the radius of the elbow is at least 1-1/2 times the diameter of the duct.
- Inspection doors should be installed at strategic points in the ducting system to make future maintenance much easier.
- When exhausting through a wall or roof made of combustible materials, the opening must be 2-inches larger than the duct, all the way around and the duct must be centered in this opening.

- When individual venting is not feasible, the individual ducts must be channeled into the main at an angle not more than 45 degrees.

MAKE-UP AIR

MAKE-UP AIR IS ESSENTIAL TO PROPER DRYING

Points to remember when calculating make-up air openings:

- When a dryer is operating, it draws air from the room, heats it, passes it through the tumbler, and then exhausts it out of the building. Therefore, the room must be constantly replenished with fresh air.
- As a general rule, an unrestricted air entrance from the outdoor atmosphere must be provided. This opening must be minimally sized to one square inch per thousand Btu of total heat input from all gas appliances in the room.
- Make-up air openings can be all different shapes and sizes, as long as they provide the correct opening size for the application and they are distributed equally among the dryers.
- If it is absolutely necessary to use louvers on the make-up air openings, you must increase the size of the opening to make up for the area, which the louvers restrict.

GAS SUPPLY

PROPERLY SIZED PIPING AND GAS PRESSURE ARE ESSENTIAL TO FAST DRYING TIMES

Points to remember when calculating your gas piping sizes:

- The dryer must be connected to the type of gas indicated on the data label.

- Be sure to include shutoff valves in line with the dryers, to allow maintenance of one unit without having to take down the rest of the dryers on its gas line.
- Always size piping for the total amount of Btu for all appliances on the gas line.
- Make sure the gas pressure is correct for the dryers which are being used.
- It is essential that gas pressure be consistent, therefore we suggest a gas loop be provided on the main to equalize pressure among all units in the line.

WATER SUPPLY (S.A.F.E.)

WATER CONNECTIONS ARE NECESSARY TO MAKE THE S.A.F.E. SYSTEM EFFECTIVE

Points to remember for S.A.F.E. water connections:

- The S.A.F.E. system requires a water pressure of 40 psi +/- 20 psi (2.75 bar +/- 1.37 bar) for effective operation.
- A flexible coupling must be used between the dryer's water connection and the hard-piped water supply line to suppress vibration.
- It is recommended that a filter or strainer be installed in the water supply line.
- If the water supply lines will be exposed to below freezing temperatures, provision must be made to protect the lines from freezing.

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