

# OPERATING DIRECTIONS

## FOR

### WILEY VARIABLE PRESSURE STEAM HEATING SYSTEM

This heating system is so designed that the quantity of steam, and consequent heat, delivered to each radiator in the system can be varied to meet the demands of varying weather conditions.

This variation in heat delivered is accomplished by a variation of the steam pressure in the boiler or heating mains according to the outside temperatures or weather conditions as given in the following table :

Outside Temperatures	Gauge Pressures
52 degrees F .....	1/2 lb.
44 degrees F .....	1 lb.
38 degrees F .....	1 1/2 lbs.
33 degrees F .....	2 lbs.
29 degrees F .....	2 1/2 lbs.
26 degrees F .....	3 lbs.
23 degrees F .....	3 1/2 lbs.
20 degrees F .....	4 lbs.
17 degrees F .....	4 1/2 lbs.
14 degrees F .....	5 lbs.
11 degrees F .....	5 1/2 lbs.
9 degrees F .....	6 lbs.
7 degrees F .....	6 1/2 lbs.
4 degrees F .....	7 lbs.
2 degrees F .....	7 1/2 lbs.
0 degrees F .....	8 lbs.

While the table gives the correct running pressures for ordinary or average weather conditions, a certain amount of judgment will have to be used to meet other than average conditions.

REMEMBER, that, by carrying a maximum steam pressure of 8 or 10 pounds, you have a maximum heating power ample for coldest weather as you have in the best of ordinary steam heating systems— but, in addition to this, you also have the ability to graduate the heat delivery downwardly to properly meet the demands of milder outside temperatures and thus to prevent waste of fuel and also to promote more comfortable and healthful temperatures within the heated areas.

USE FULL HEATING POWER, for an hour or two, when starting up in the morning, until the rooms are warmed up and ALWAYS CARRY SUFFICIENT PRESSURE to take care of the cold sides of buildings in windy weather.

**SIMPLEX HEATING SPECIALTY COMPANY, INC.**  
LYNCHBURG, VIRGINIA