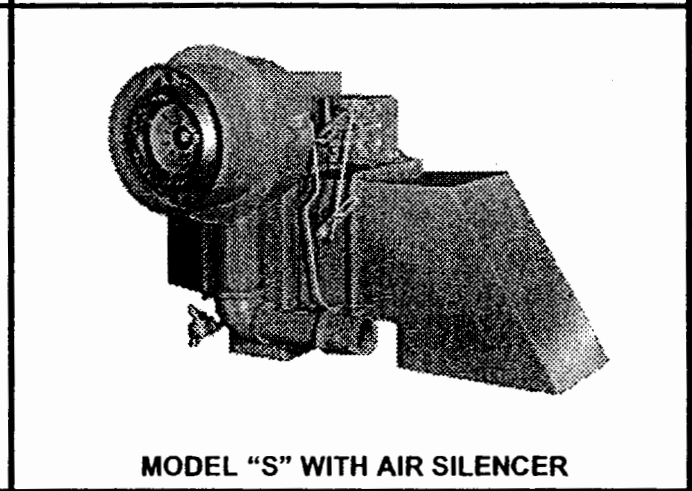
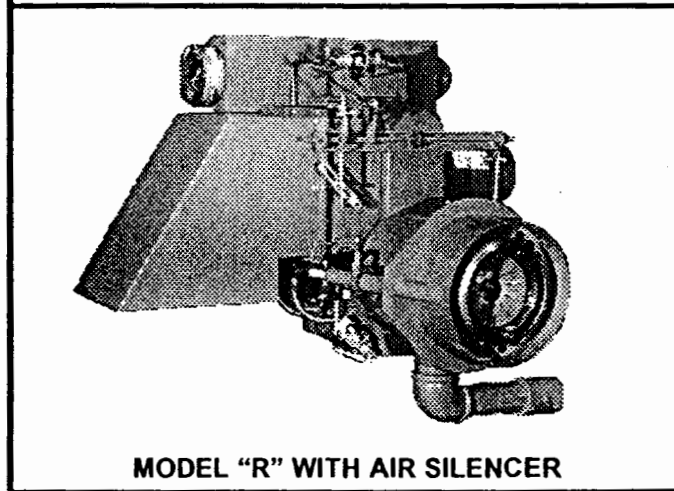
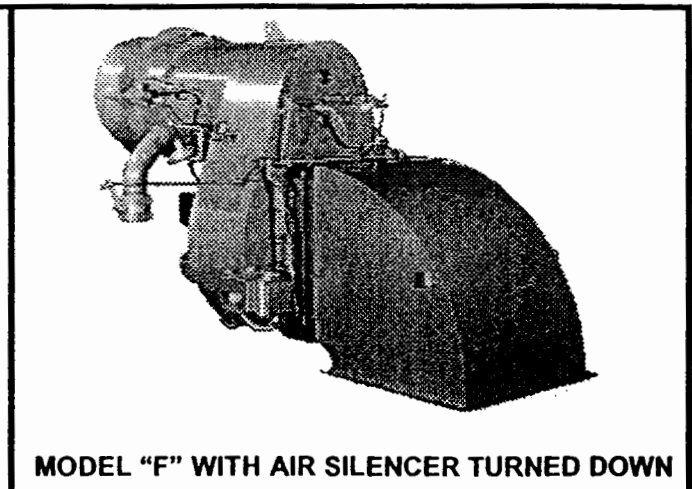
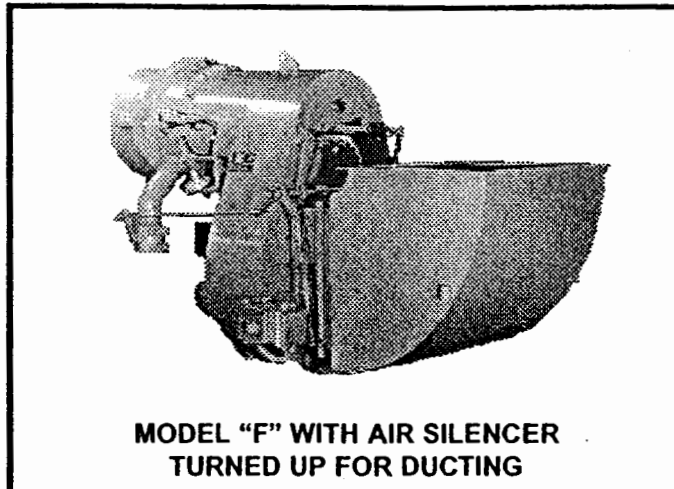


6	10	3.1	Rev. 1
10-85	Replaces	8-82	



Air silencers are available for most Gordon-Piatt Energy Group burners.

The need for a silencer is directly dependent upon the environment in which the burner operates and the amount of time that equipment operators are required to spend in the boiler room; thus the ultimate goal is to reduce "total" boiler room noise through attenuation of both original noise level and that of the environment.

Some of the many factors which can affect noise and actually contribute to noise generation are:

- Proximity of the burner to walls or partitions and the materials of such structures (ie., metal, wood, masonry).
- Proximity to other operating equipment and the effects of harmonic progression.
- Percent of time the burner(s) operate, as well as the percent of time at low-fire vs. high-fire.
- The number of burners that operate simultaneously.
- Location and size of combustion air inlets into the boiler room.

The addition of burner air silencers will generally improve the overall boiler room noise environment, but additional measures may be necessary to reduce other noise sources and/or conditions which may be contributing to adverse noise levels.

