

★ INFERNO ★

PRESENTS THE MEDIUM PRESSURE GAS BURNER - -
A TOP PERFORMER IN ITS PARTICULAR FIELD

- ★ MAKES HOT BLUE FLAME
- ★ EASILY INSTALLED
- ★ ECONOMICAL

GOOD DESIGN

The square cornered Burner Heads fit together with the proper clearance, to eliminate excess secondary air. The manifolds are designed for the number of Burners required. Special sizes are constructed to fit unusual requirements.

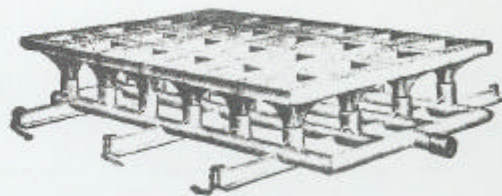
ECONOMICAL

The INFERNO Medium Pressure (10 lbs. and above) Gas Burner is designed primarily for conditions where hard firing and rough use are the most important considerations. It is designed to mix the gas and air in good proportions to produce a hot blue flame instantaneously and close to the Burner Heads. It is recommended where gas pressures available are above 10 lbs. at all times.

EASY TO INSTALL

Special chain brackets are furnished, which may be welded in the firebox or on the outside of the boiler. The Manifold is slid under the firebox and swung from the chain brackets at the proper height. (We recommend installing as low as possible, considering, of course, the safety of the mud ring.) The Burner Heads are then set into special sockets in the Manifold. The Burner is now ready to use.

In multiple boiler installations we recommend that a pressure gage be installed between the main firing valve and the manifold supplying all of the Burners. With this arrangement it is very easy to ascertain the pressure going to the Burners at all times.



CONSTRUCTION

INFERNO Medium Pressure Gas Burners are constructed to stand up under hard firing conditions and rough usage. The Burner Heads are made of a special heat resisting cast iron which lasts four or five times longer than ordinary cast iron without growing or warping. They have a tensile strength of more than 50,000 lbs. per square inch. The Manifolds are made of 2" heavy black pipe, welded at all connections. The Orifice Plugs, which provide the outlet for the gas to the Burners, are made of brass. The Burner Heads have flat tops and are easily kept clean. They are 10"x11" at the top and taper down to fit the sockets in the Manifold.

Unless otherwise specified, the Manifold is furnished with 5/32" Orifice Plugs. For rich or wet gas the openings may be smaller. The need for a smaller opening is indicated by a red or yellow flame instead of the usual blue flame. However, when it is not practical to change to a different size Orifice Plug, excellent results can be secured by introducing steam into the fuel line. The steam dilutes the rich or wet gas to the proper B. T. U. content to produce a hot blue flame. The INFERNO Firing Control has a Special Steam-to-Fuel Connection that does this very satisfactorily.

In each Manifold a Pilot Burner is provided which guards against the fire going out when set very low, and makes lighting the Burners safe and easy.



INFERNO Mfg. Corp.

"Makers of Better Steam Equipment"

115 Ricou Street

Shreveport, Louisiana 71107

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INFERNO BURNERS...TOP PERFORMERS IN THEIR FIELDS

BULLETIN No. 35

SUPERSEDES BULLETIN No. 13-U

Medium
Pressure
Gas
Burner