

The Webster Engineering Company

115 South Frisco St., P.O. Box 2168

Tulsa, Oklahoma

Division of

SURFACE COMBUSTION CORPORATION, TOLEDO, OHIO

FOR STEEL FIREBOX, SECTIONAL, WATER TUBE and HRT BOILERS

SERIES F600

Low Pressure Gas

This is an outstanding vertical atmospheric venturi gas burner, with the radiant refractory top that utilizes straight natural gas and mixed gas to 800 Btu at pressures from 3" w.c. to 8 ounces. Series F600 Burner Assemblies are available with ratings from 50,000 to 10,000,000 Btu/hr for firing all types of steel firebox and sectional boilers.

SERIES 200

Intermediate Pressure Gas with Combination Oil.

The Series 200 Webster Radiant Combination Gas and Oil Burner is a straight atmospheric horizontal firing assembly that makes it possible to utilize natural, mixed or manufactured gas in combination with all types of fuel oil.

Recommended for application to refractory furnaces, it is designed for firing Water Tube and HRT boilers when oil fuel is used over extended periods and a gas pressure of at least 1 lb is available.

SERIES 1A

Low Pressure Gas and Standby Oil.

It is a 100 per cent secondary air-horizontal firing, multi-jet burner that operates equally well with natural, mixed or manufactured gas.

It is suitable for firing Water Tube and HRT boilers and, should design conditions prevent the use of a vertical burner such as Series F600 or Series 650 or the WEBSTER KINETIC burner, the Series 1 will prove very acceptable for firing steel firebox and sectional boilers when combustion space is not limited.

WEBSTER KINETIC*

Low Pressure Gas and Standby Oil.

Consisting of a multiplicity of full venturi mixers with flame retention nozzles assembled in a metal casing complete with pilot and louvre, the WEBSTER KINETIC burner is presented as the latest addition to the Webster line of firing equipment. It may be used with natural, mixed and liquefied petroleum gases.

Being a multiple head assembly, the WEBSTER KINETIC burner can be supplied in any size or shape. The firing of Scotch Marine boilers with extremely low pressure gas without noise, vibration or electrical power and with minimum furnace draft was the sole objective when the WEBSTER KINETIC burner was developed. When design conditions preclude the use of a vertical burner in a steel firebox or sectional boiler, the WEBSTER KINETIC burner is highly recommended as the next best gas application.

* Trade Mark

1346



Ace Engineering Company

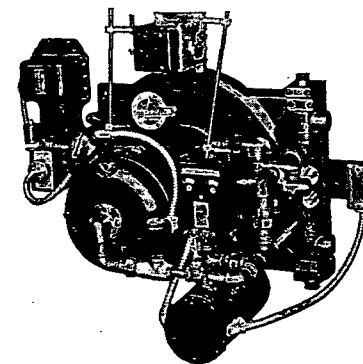
1435 West 15th St., Chicago 8, Ill.

"Custom Engineered Oil Burning Systems Since 1931"

The Ace Uniflow oil burner is built in ten sizes to burn all grades of fuel oil. The oil pump is available either as an integral part of the burner or as a separate unit, depending upon the job requirements. Standard models include both belt and direct drive and for operation with all electrical current characteristics.

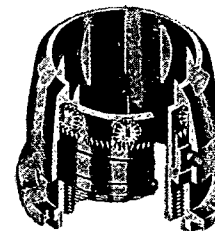
The Ace oil burner features as standard equipment the patented Ace Uniflow valve, which permits constant uniform flow and flame regardless of oil temperature or viscosity.

Approved by Underwriters' Laboratories, Inc., New York-Board of Standards & Appeals and the States of Massachusetts and Connecticut, these burners are designed to oil fire commercial and industrial boilers in the capacity ranges as shown below.



TECHNICAL DATA AND SPECIFICATIONS

Burner Size	Maximum G. P. H.	Boiler Horse Power	Sq. Ft. Steam Radiation	Motor Size H. P.
12	8	24	3,300	
14	15	45	6,000	
15	22	66	8,800	
16	30	90	12,000	
17	45	135	18,000	
18	70	210	28,000	1.5
19	85	255	34,000	2.0
20	100	300	40,000	3.0
22	130	400	52,000	5.0
24	165	500	64,000	5.0



ACE AIR NOZZLE (Patent Pending)

The Ace variable-vaned air nozzle permits accurate, efficient shaping of the flame to conform with the shape of the combustion chamber. The angle of the vanes can easily be changed in the field to any desired position to suit the boiler requirements and thus insure the maximum flame without oil impingement.

SEND FOR ACE MANUAL...
PREPARED SPECIFICALLY FOR ARCHITECTS AND ENGINEERS.

1347