

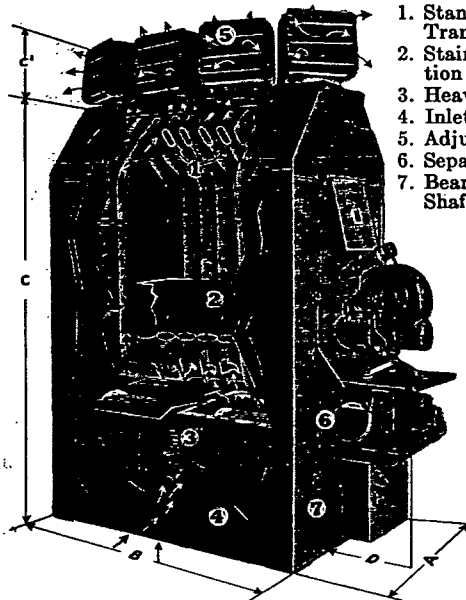
Arthur A. Olson & Company

Canfield, Ohio

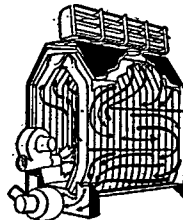
Manufacturers of Direct Fired Heaters

Olson

A completely automatic direct-fired unit heater. Olson heaters operate on gas, oil, dual gas-oil or coal. These units may be hung, suspended horizontally or inverted. All heaters can be adapted to filtering, humidifying and air conditioning. Use of standard accessories and easy access to bearings and other vital parts simplify maintenance. Also special adaptations for make-up air, drying, high-temperature and process work.



1. Standard 10 Gage Boiler Tube Heat Transfer Surface.
2. Stainless Steel or Refractory Combustion Chamber.
3. Heavy Duty Fans and Shaft.
4. Inlet Screens or Frame for Filter Box.
5. Adjustable, Deflecting Outlets.
6. Separate Induced Draft Fan.
7. Bearings Outside Heater at End of Shaft.



Four Pass Gas
Travel-Counter
Current.

Engineering Data—Gas, Oil, or Dual Gas-Oil Heaters.

Heater Model Number	BTU/HR Output Capacity	CFM Blowing Fans	General Dimensions					No. of Blowing Fans	Motor HP Blowing Fans	Stack Dia.	No. of Nozzle Outlets
			A	B	C	C1	D				
U-300	300,000	3,500	3'-1"	2'-11"	7'-10"	1'-1"	1'-6"	1	1	8"	2
U-400	400,000	4,500	3'-1"	3'-7"	7'-10"	1'-1"	1'-6"	1	1 1/4	8"	3
U-500	500,000	5,500	3'-1"	4'-3"	7'-3"	1'-3"	1'-7"	2	2	8"	3
U-600	600,000	7,000	3'-1"	4'-11"	7'-3"	1'-1"	1'-7"	2	3	8"	4
U-750	750,000	8,500	3'-8"	5'-3"	8'-9"	1'-1"	1'-8"	2	3	8"	4
U-1000	1,000,000	11,000	3'-8"	5'-11"	8'-9"	1'-3"	1'-11"	2	5	10"	4
U-1250	1,250,000	14,000	4'-4"	7'-0"	9'-9"	1'-5"	1'-11"	2	7 1/2	10"	4
U-1500	1,500,000	17,000	4'-4"	8'-0"	9'-9"	1'-5"	2'-0"	2	10	12"	5
U-1750	1,750,000	20,000	4'-10"	8'-0"	10'-9"	1'-5"	2'-1"	2	15	12"	5
U-2000	2,000,000	22,000	4'-10"	9'-0"	10'-9"	1'-5"	2'-1"	2	15	12"	5

Write for complete data on stoker fired units and large central systems.

Automatic Gas Equipment Company

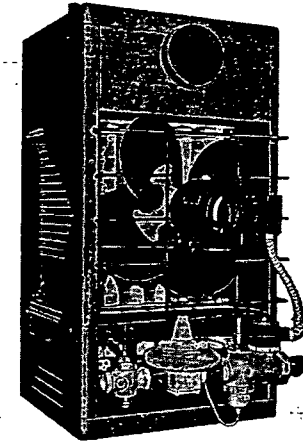
Brushton and Thomas St., Pittsburgh 21, Pa.

Manufacturers of Pittsburgh Gas Unit Heaters and Duct Furnaces

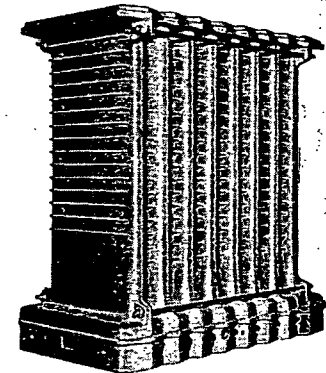
Cast Iron Heating Elements

Cast iron is considered to be the best material to withstand the corrosive effects of the products from combustion of gases. For this reason, both the heat exchanger and combustion chamber in a Pittsburgh Gas Unit Heater are made of cast iron. Furthermore, they are cast in one piece and the extended heating surface fins on the heat exchanger are cast integral.

Pittsburgh Gas Unit Heaters have been designed to consume exactly the right amount of air to support complete combustion but without permitting an excess of air to lower heating efficiency. This is accomplished by means of a built in draft hood which absorbs all excessive chimney action and thereby conserves heat. The heater does not depend upon forced draft from the fan for either the primary or secondary air supply. For this reason there is no possibility of variation in the air supply to the burners resulting from changes in fan speed or louver adjustment. By the use of adjustable horizontal louvers, warm air can be directed to any desired level.



Cut-away view of heater, showing the cast iron heat exchanger in place.



Heat exchanger and combustion chamber.

Safety Features

A tested and proved safety pilot is used on these heaters to automatically turn off the gas if the pilot light goes out or if it burns too low to insure positive ignition. The draft diverter is absolute protection against any possible down drafts through the chimney. Write for folder containing complete details, including installation measurements.

Approved by American Gas Association and Underwriters' Laboratories.

SIZES AND CAPACITIES (also made in five sizes in Blower Type Units)

Unit No.	Input B.T.U. Per Hour	Output—AGA B.T.U. Per Hour	Sq. Ft. E.D.R.	Air Del. C.F.M.	Motor H.P.	Speed R.P.M.	Approx. Wts.
215 C	215,000	172,000	744	3500		1140	535
175 C	175,000	140,000	605	2900		1140	475
160 C	160,000	128,000	553	2600		860	450
140 C	140,000	112,000	484	2320		860	400
110 C	110,000	88,000	381	1820		860	350
85 C	85,000	68,000	294	1350		1000	300