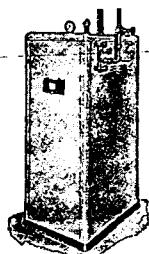




Scott-Newcomb, Inc.

1922 Pine Street, St. Louis, U. S. A.

AIR CONDITIONING
EQUIPMENT



S-N Oil or Gas Furnace
(Steam or Hot Water)

S-N OIL OR GAS FIRED BOILERS

Efficiencies up to 90 per cent

DOMESTIC HOT WATER—WINTER AND SUMMER

Fully Automatic with

S-N VERTICAL FLAME OIL BURNER
OR S-N BUNSEN TYPE GAS BURNER

Dimensions—26 in. wide, 39 in. long, 56 in. high. Water line 48 in. above floor.

Capacity—1000 sq. ft. steam—1600 sq. ft. hot water E.D.R. Completely equipped with room thermostat, draft adjustor, safety switch and all necessary gages and fittings.

True countra flow—copper coil economizer 50 sq. ft. of heating surface.

Made in two other sizes, namely; 500 sq. ft. steam and 1500 sq. ft. steam E.D.R.

S-N CONVERSION OIL BURNERS PRESSURE ATOMIZING TYPE

and also

LOW AIR PRESSURE ATOMIZING TYPE

for Light or Heavy Oils

ELECTRIC IGNITION—FULLY AUTOMATIC

S-N Junior for No. 2—No. 3 or No. 4 oil 300 to 1000 sq. ft. of steam.

CJ Pioneer for No. 1—No. 2 or No. 3 oil 300 to 3000 sq. ft. of steam.

CA Pioneer for No. 3 oil 3500 to 10,000 sq. ft. of steam. Completely equipped with H. V. Room Thermostat. Safety Switch and S-N Oil Filter (Limit controls extra).

S-N EXCHANGE UNITS

For circulating, filtering, heating and humidifying air in connection with S-N Boilers.

Serving duct distributing systems and split systems or for circulating, filtering, cooling and dehumidifying air in connection with S-N cooling units.

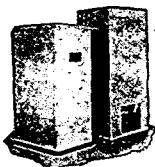
Serving duct distributing systems.

Capacities

Air Flow—1150 to 2250 c.f.m.

Heating—130,000 to 200,000 B.t.u. at the registers.

Cooling—2 to 5 tons of refrigeration.



S-N Air Conditioning
Equipment

S-N COMPLETE CONDITIONING UNIT

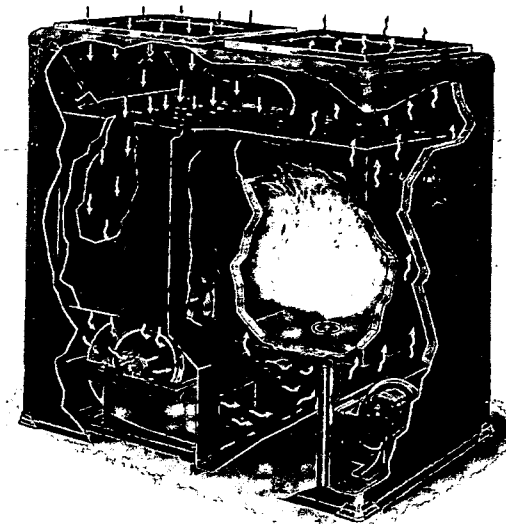


IN WINTER

Distributes } A
Filters } I
Humidifies } R
Heats }
Using S-N Oil or Gas
Burners.

ARRANGED FOR SUMMER COOLING

Height—66 in.
Width —34 in.
Length —51 in.
1600 to 2200 c.f.m.
B.t.u. capacity
130 to 200,000
Smaller and Larger
Sizes—Also.



S-N Conditioner

Case broken away showing path of combustion gases (true-contra flow) air filters large surface economizer—blowers Humidifier—burner. Arrow indicate air flow

The S-N Air Conditioner is De-Luxe in design and finish. The burner is entirely enclosed (either oil or gas), and is located just under the combustion chamber. Access to the burner or air blowers is through panels which are quickly removable. The products of combustion flow upward as indicated in the cut and pass over the rear wall of the combustion chamber and downward and out into the bottom of the economizer sections. There are six economizer sections and the hot gases pass upward in these sections to the top and back where they enter a header which connects to the chimney.

The air filters, located above the economizer sections, are removable from either side of the conditioner. The cool air first contacts with the cooler part of the economizer sections and flows downward between and around the sections into the suction of the blowers. The air discharge from the blowers passes over the lower part and outer sides of the combustion chamber, then upward as indicated by the arrows, thereby contacting progressively with hotter and hotter surfaces. The large amount of surface exposed to the air, coupled with the true contra-flow makes for very high efficiency.

The compartment that contains the blowers is entirely separated by partitions from the compartment that contains the burner. The air for the burner is taken through a separate pipe which connects to the outside of the casing. The water spray for humidification is located just under the lower part of the combustion chamber.

The casing is lined with air cell insulation. The air blowers are mounted on the floor and float on rubber cushions. The burner is mounted on insulation and is entirely enclosed. The unit is very quiet in operation.