

The General Iron Works Company

Cincinnati



SALES AND SERVICE information from any gas company.

DIRECT FACTORY REPRESENTATIVES in principal cities.

Eight Years of intensive improvement and development work have improved the product, brought out the best methods of installation, and built a sales and service organization comprising basically the more important Public Utility Companies of the country. Most of these have a select list of approved local installers who are competent as regards both financial responsibility and physical equipment to undertake jobs of any size.

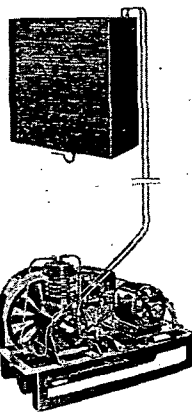
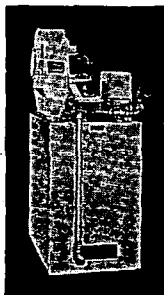
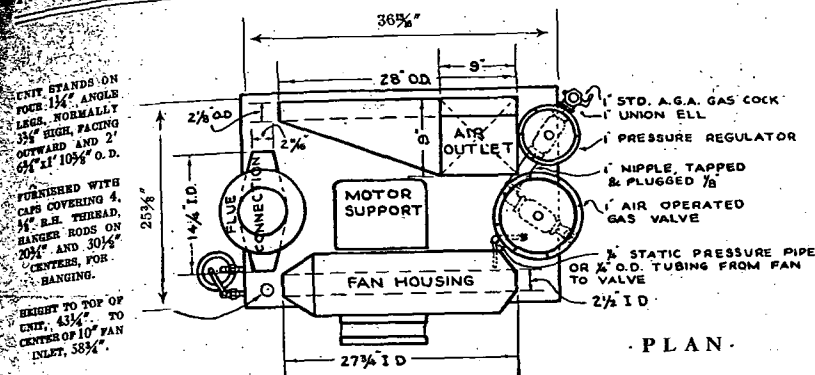
We Considered this ground work necessary before it should be offered to the Architect and Engineer. You may now specify it freely for residences, schools, detached buildings of the long rambling type of architecture, industrial plants, and structures of a similar character.

The Unit System

is invariably used excepting in very small residences, grouping the rooms according to their usage, each group having its own thermostat.

Hot-Kold is exactly what the name implies, the **Hot** side consisting of a gas burning heat exchanger through which air is driven by a fan, and automatically controlled.

The Kold side consists of a unit to fit, developed by engineers of The Frigidaire Corporation after years of tests. This is a simple section of heat exchanger surface and an automatically controlled refrigeration compressor. This unit is sold and installed by the Frigidaire Corporation which maintains 24 hour a day service in all principal cities.

**KOLD**

MODÈL B

Gas input—90,000 B.t.u. hourly.
Heat output—84,500 B.t.u. hourly.
Weight, crated—1000 lbs.
Dimensions—actual working drawings
herewith.
Fan capacity. C.F.M.*
Motor H.P.*

*Various fans and motors are furnished dependent on the duty of the unit. Generally, these are $\frac{1}{2}$ H.P. constant speed with air deliveries up to 625 C.F.M. and $\frac{1}{4}$ H.P. variable speed, with air deliveries from 600 to 865 C.F.M. Fans are always spring floated, direct connected, backward curve, multiblade type.

Heater, filter, cooler and compressor are furnished as four independent units, to be located as desired, which permits best economy of space occupied.

The Present Known Requirements of Perfect Air Conditioning

AIR MOTION Overhead high velocity introduction toward cold wall provides mixing with room air. This settles into the breathing zone

AIR MOTION	Overhead high velocity introduction toward cold wall provides thorough mixing with room air. This settles into the breathing zone and returns without objectionable draught to recirculation grilles.
HUMIDITY	Water from fire, literally. Once set, the rate of moisture addition will never vary. Total amount added depends on time of operation.
CLEAN AIR	Filter medium is the most efficient dry type. A woman can change it in five minutes.
TEMPERATURE CONTROL	Automatic dual speed absolutely eliminates the usual time lag. A complete cure for "Cold 70."
NO ODORS	All welded construction. No leaks possible. Air is warmed by passing heating surfaces at such high velocity as to prevent scorching suspended matter.

The Equipment Must Have These Characteristics

LONG LIFE	Heat exchanger section made of 16 ga. Chromium (stainless) steel. Various estimates of corrosion rates set probable life at 50 to 100 years.
ECONOMY	Unquestionably the most efficient vented gas unit made today.
RELIABILITY	Two service calls from 100 units, winter 1929-30, Cincinnati.
SIMPLICITY	The complete absence of "trick gadgets" has been favorably commented upon by hundreds of engineers.
SAFETY	Approved by A. G. A. Testing Laboratory, and in many ways, far improves upon the Laboratories requirements.

Most of the above features are covered by HOT-KOLD patents and patents pending. Model 2-B, a larger unit, will be in production by January 1. Send for complete A. I. A. file which includes Specification and Data Sheets.