

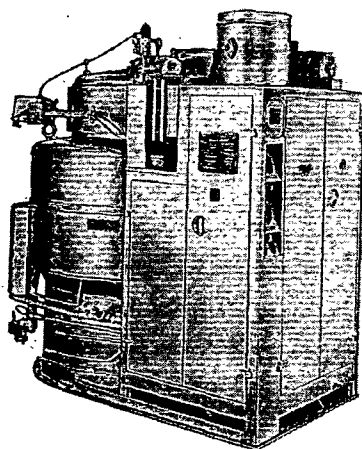
## Vapor Heating Corporation

1450 Railway Exchange, Chicago 14, Illinois

New York • St. Paul • Cleveland • St. Louis • Denver  
Washington • Philadelphia • San Francisco • Atlanta  
Los Angeles • Jacksonville • Houston



### SIGNIFICANT FEATURES OF VAPOR-CLARKSON STEAM GENERATING UNITS



Full steam pressures within 2 minutes, from cold start.

To start, press one button.

Operating pressures can be regulated between 75 and 300 lbs per sq in.

Minimum space required; exceptionally light weight (see table below).

Construction conforms to A.S.M.E. Code and is Hartford Steam Boiler Inspection and Insurance Co. inspected.

Fuel and air intakes are above the zone of inflammable gases.

No fire-tubes or grates; no crown-sheet or fire-box.

No headers or drums; no water level to watch, hence no water level gage.

Easy and economical to operate and maintain.

High efficiency—beyond rated capacities. Automatic ignition; forced circulation.

### A FEW SPECIFIC USES

On Diesel locomotives for passenger train heating.

Pile Driving . . . Asphalt Plants.

Concrete Plants and Concrete Curing.

Paint stripping of all kinds.

Emergency heating during repairs to stationary boilers.

Oil field drilling

Drying, in hospitals or laundries.

Cleaning . . . Heating marine craft.

Sterilizing of all kinds.

Cooking and hot water for field camps.

Road construction—drying sand, thawing culverts.

Vulcanizing process and other process work.

Wherever instant pressure steam is required.

### DATA ON VAPOR-CLARKSON STEAM GENERATORS

| TYPE OF UNIT | HORSE-POWER (212 F) | POUNDS STEAM PER HOUR (212 F) | DIMENSIONS (Inches) |       |        | WEIGHT (Dry) Pounds | MOTOR RATING Horsepower |
|--------------|---------------------|-------------------------------|---------------------|-------|--------|---------------------|-------------------------|
|              |                     |                               | Length              | Width | Height |                     |                         |
| 4951         | 18                  | 640                           | 39½                 | 28    | 47     | 800                 | 1½                      |
| 4954         | 35                  | 1300                          | 72                  | 43    | 60½    | 1325                | 2                       |
| 4616         | 65                  | 2070                          | 66½                 | 45    | 67     | 2240                | 3                       |
| 4625         | 105                 | 3450                          | 68                  | 48    | 73     | 3000                | 5                       |
| 4630         | 125                 | 4000                          | 80                  | 60½   | 72     | 3900                | 5                       |
| 4635         | 135                 | 4530                          | 80                  | 60½   | 72     | 4500                | 5.4                     |
| 4740         | 165                 | 5200                          | 73                  | 50    | 79½    | 5900                | 7½                      |

## INTERNATIONAL HEATING & VENTILATING EXPOSITION THE AIR CONDITIONING EXPOSITION

Permanent Address—Grand Central Palace, New York 17, N. Y.

### EXPOSITIONS HELD

Chicago, 1953; Philadelphia, 1951; Chicago, 1949; New York, 1948; Cleveland, 1947-1940; New York, 1938; Chicago, 1936; New York, 1934; Cleveland, 1932; Philadelphia, 1930.

### FUTURE SCHEDULE

No exposition scheduled for 1954. In 1955 the Exposition will return to Philadelphia.

### UNDER AUSPICES OF A.S.H.V.E.

These Expositions have been and will be held co-incidental with the annual meetings of The American Society of Heating and Ventilating Engineers and under their auspices. Management is by International Exposition Company with permanent headquarters at Grand Central Palace, New York 17, N. Y.

### EXHIBITORS

Comprise leading firms in each phase of the industry; number has varied from 150 to 400 exhibitors.

### EXHIBITS

These range from and comprise all the types of articles discussed or advertised in this copy of THE A.S.H.V.E. GUIDE.

1. *The COMBUSTION Group:* Furnaces, burners (coal, oil and gas), grates, stokers, boilers, radiators (various types), refractories and auxiliaries.

2. *The OIL BURNER Group:*

3. *The HYDRAULIC Group:* Water feeders, water heaters, pumps, traps, valves, piping, fittings, expansion joints, pipe hangers, etc.

4. *The STEAM HEATING Group:* Vapor heating, steam specialties.

5. *The HOT WATER HEATING Group:*

6. *The AIR Group:* Warm Air furnaces and stoves, registers and grilles, cooling towers, air filters, motors, fans, blowers, conditioning equipment, ventilators (room and industrial types), unit heaters, etc.

7. *The AIR CONDITIONING Group:* Equipment which circulates and filters the air, in summer dehumidifies and cools; in winter heats and humidifies, and does all these in proper season for complete, all year-round air conditioning.

### 8. *The CONTROL Group:*

Instruments of precision for indicating, controlling or recording temperature, pressure, volume, time, flow, draft or any other function to be measured.

### 9. *The REFRIGERATING Group:*

Compressors, condensers, cooling apparatus, contingent apparatus and refrigerants.

### 10. *The CENTRAL HEATING Group:*

Apparatus and materials especially designed or adapted to the uses of central heating and central heating station supplies.

### 11. *The INSULATING Group:*

Structural insulators (refractory and cellulose materials), asbestos, magnesia clays and combinations thereof, pipe and conduit covering, etc., weather-stripping, etc.

### 12. *The MISCELLANEOUS Group:*

Electric Heaters, boiler and pipe repair alloys, liquids and compounds, tools of all kinds, and equipment not specifically included in the above groups, but related thereto.

13. *The MACHINERY AND GENERAL EQUIPMENT Group.*

14. *BOOKS AND PUBLICATIONS.*

### VISITOR ATTENDANCE

Attendance is by invitation and registration only, thereby presenting a selected audience. Included are contractors, dealers, jobbers, supply houses, home owners, industrial users, professional and service organizations, public utilities, real estate management concerns, etc. A detailed analysis of registered attendance is available on request.

Industrial Expositions in America lead the expositions of the world in style, business effectiveness, industrial influence and educational value. This Exposition stands among the leaders in Industrial Expositions in America. It is an educational institution which brings together the research developments and improvements in equipment and materials for use in heating, ventilating and air conditioning all types of buildings.