On pages ●25–●468 will be found the Catalog Data of 301 manufacturers whose products are described and illustrated.

For the convenience of the user of THE GUIDE 1960 there are eleven main divisions:

Air Conditioning ..... ●87–●165
Air Conditioning and Heating Piping ..... ●166–●169
Air System Equipment ..... ●170–●292
Brazing, Welding Equipment and Supplies ..... ●293
Controls and Instruments ..... ●294–●320
Expansion Joints ..... ●321–●323
Fittings and Flanges ..... ●324–●325
Floats ..... ●326
Heating Systems ..... ●327–●429
Insulation ..... ●430–●457
Publications ..... ●458–●463

On pages ●8–●24, under each of the index headings—Air Cleaning Equipment, Fans, Humidifiers, Ventilators, etc., will be found a list of manufacturers of any desired products, fully cross-indexed, and the page numbers in the Catalog Data Section where the products are described.

By reference to these indices, the manufacturers' names and the page numbers, any item of equipment or materials, and the producer's address, may be located quickly.

AIR & REFRIGERATION CORP.

439 Madison Ave., New York-22-N.Y. 271 Milton Ave., S.E., Atlanta, Ga.

CAPILLARY

Sales Representatives in Principal Cities

Foreign Representative—Rocke International Corp.
13 East 40th St., New York-16-N. Y.

A&R TRADE MARK



ARTICULATED UNITS

Units with unlimited capacities are furnished for standard, double duct or multizone distribution systems. Designed for each particular application, they incorporate coordinated equipment to fit within the space available. All units are factory test-assembled to assure fit of parts prior to shipment. We call them *ARTICULATED UNITS.*

COMPONENTS

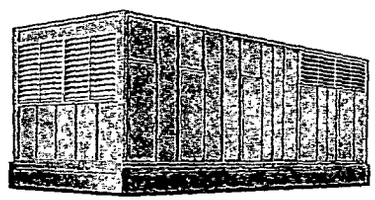
A typical system often combines air mixing, filtration, washing, cooling and heating, humidifying or dehumidifying and air circulating equipment. More complete systems may also include the refrigeration compressor, water chiller, evaporative condenser, pumps and boiler with all being enclosed in a factory insulated casing. Blow-through multizone systems also require outlet air dampers for mixing hot and cold air streams for each zone.

HOUSINGS

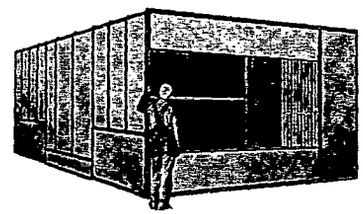
Unit housings are assembled using A & R factory insulated panels. Available in indoor or outdoor weatherproofed construction, the panels consist of an interior galvanized steel sheet to which is applied the insulation, aluminum vapor seal and outer protective sheet of tempered hardboard. For outdoor use an additional weatherproof skin of aluminum is added. To save additional cost, the machine room floor may be used as the bottom of each enclosure or an insulated drip pan may be included.

ADVANTAGES

Articulated units are custom engineered to suit the performance requirements and space limitations of each particular application. All parts are selected to work in co-ordination with the rest of the system.



EQUIPMENT ENCLOSURE—INSULATION IN ONE PREFAB PACKAGE



Office time and effort by the purchaser are reduced in adopting articulated unit construction. One purchase order covers materials and services normally requiring a number of separate contracts.

The factory insulated housings do away with the usual mess of field insulation and plastering. This may be an important factor, particularly in older buildings such as department stores, etc., where valuable stocks of merchandise cannot be removed. Prime coated before leaving the factory, the exterior presents a continuity and neatness of appearance which needs no field painting unless scratched or marred in handling and erection.

The panel type construction permits sections of units to be dismounted quickly and easily where it is necessary to remove bulky internal parts for repair or replacement.

CATALOGS

For further information on A & R Articulated Units or Factory Insulated Panels, write direct to main office in New York, or contact factory representative in your area.

