On pages 1171-1616 will be found the Catalog Data of 319 manufacturers whose products are described and illustrated.

For the convenience of the user of THE GUIDE 1954 there are eight main divisions:

Air Conditioning	1171-1255
Air Conditioning and Heating Piping	1256-1260
Air System Equipment	1261-1401
Bends, Coils, Fittings	1402-1409
Controls and Instruments	1410-1442
Heating Systems	1443-1568
Insulation	1569-1605
Publications	1606-1612

On pages 1141-1168, 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.

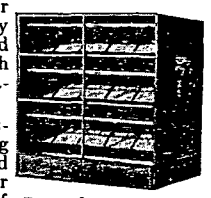
By reference to these indices, the manufacturers' names and the page numbers, any item of equipment or materials, and the producer's address, may be located quickly.

Air & Refrigeration Corporation

439 Madison Avenue, **New York 22, N. Y.**
271 Milton Avenue, S. E., Atlanta, Ga.
Representatives in all major cities
Air Conditioning, Humidifying, Dehumidifying, Cooling, Scrubbing, Air Washing and Purification Apparatus

Air & Refrigeration Corporation specializes in the design and manufacture of industrial and comfort-conditioning apparatus where maintenance of suitable humidity and temperature within closely controllable limits is essential. This specialization is based on technical knowledge and ingenuity born of extensive experience in the solution of the more difficult problems of air conditioning. A complete line of air conditioning equipment is available to contractors and owners for all phases of humidifying, dehumidifying, cooling and washing.

* **Capillary Air Washers** provide a superior type humidifying, dehumidifying, air washing, cleaning and cooling unit for central station apparatus. For most purposes the Capillary Washer requires ⅓ the volume of water at ⅓ the pressure used by conventional spray equipment. They are available with factory insulated casings and tank for central station applications. *For complete data, see Capillary Bulletin.*



Factory Insulated Class I Capillary Air Washer

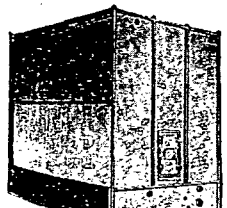
* **Capillary Unit Conditioners** are factory insulated and assembled, ready for use. They include fan, motor, drive, heating coils, Capillary Cells with suitable sprays, spray pump and mixing dampers. Units are designed for floor mounting or for ceiling suspension, and can be arranged for the reception of cooling coils, if required. *Complete description and engineering data will be found in Capillary Unit Bulletin.*

Spray Type Air Washers for washing, humidifying and dehumidifying air are all basically the same. A & R Spray Washers include special features of design developed to insure more efficient and dependable operation, lower maintenance costs, and, in many cases, lower installation costs. Such features relate especially to eliminators, collecting tanks, flooded baffles, nozzle arrangement, etc. Spray Washers can be supplied with factory insulated casings and tank for central station applications. *For details, see Air Washer Bulletin.*

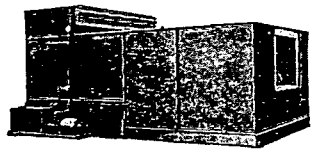
Sprayed Coil Dehumidifiers for year-round treatment of air are complete with cooling coils, sprays, circulating pump and glass mat eliminators. Sprayed coil dehumidifiers are factory insulated and complete, ready for assembly in the field. Special features in design insure continuous washing and cleaning of finned surfaces and easy accessibility to all parts. *For engineering information and detailed description, see Sprayed Coil Bulletin.*

A & R Insulated Panels consist of insulation between metal sheet on one side and hard fiber board on the other, the three laminated and cemented together. This unique panel design includes the structural frame to form units which require *only bolting together* to make enclosures of any required shape for plenum chambers and many other purposes. Panels are available in widths from 3 in. to 48 in., and in lengths to 12 ft. Their use insures tremendous economies in field labor. *For details, see Panel Bulletin. Write for catalog and engineering data.*

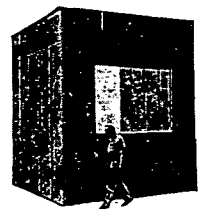
*Registered Trade Mark



Type 2S Air Washer Factory Insulated



Factory Insulated Size #3-4 Capillary Unit Conditioner



Factory Insulated Plenum Chamber