



NIAGARA BLOWER COMPANY

Service and Development in Air Engineering for Over 40 Years

Factory and General Offices: Buffalo, N. Y.—Executive Offices, New York, N. Y.

AIR ENGINEERING



Bulletin describes Niagara equipment for heat removal by the air method, cooling liquids and gases, condensing vapors, heat and moisture control by complete function air conditioning; vapor equilibrium by direct liquid contact.

BULLETIN No. 135

AIR CONDITIONING



Bulletin describes methods of obtaining precise control of temperature and moisture to help you make your product in any climate at any season. Illustrated with diagrams and photographs.

BULLETIN No. 122

BULLETIN No. 140

AIR CONDITIONERS



Bulletin describes Niagara coil surface air conditioners for use with any refrigerant, offering any selection of air conditioning functions. Models available to match any load requirement.

BULLETIN No. 133

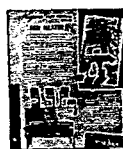
DRYING AND DEHUMIDIFYING



Bulletin 140 describes the use of a liquid absorbent for drying air, for drying materials at low temperatures, for packing and storing moisture sensitive materials and for processing. Photographs illustrate applications, diagram shows operations. Charts show air volume and dehumidifying capacities.

BULLETIN No. 140

HIGH PRESSURE STEAM HEATING



Bulletin describes method completely utilizing both the sensible and latent heat of high pressure steam. Trustworthy, long-lived equipment for heating or process.

BULLETIN No. 109

COOLING AND FREEZING



Bulletin describes Niagara "No-Frost" Method; production of low air temperatures for industrial uses, such as testing or processing at extreme sub-zero temperatures or for control of air moisture in atmospheres below the freezing point of water.

BULLETIN No. 95

"NO-FROST" METHOD



Bulletin describes Niagara "No-Frost" Method of refrigeration for food freezing, frozen food warehousing, fresh food pre-cooling and storage, giving completely automatic operation with no shut-downs for defrosting.

BULLETIN No. 105

FAN COOLERS



Bulletin describes Niagara Fan Coolers, dry coil and brine spray types for use with brine, ammonia or freon refrigerants.

BULLETIN No. 110

BULLETIN No. 138

AEROPASS CONDENSERS



Bulletin describes evaporative refrigerant condensers providing protection against scaling of tubes, controlling of compressor head pressures, saving condenser water.

BULLETIN No. 111

BULLETIN No. 123

BULLETIN No. 131

REFRIGERANT CONDENSERS



Bulletin describes evaporative condensers for ammonia and freon refrigerants offering high condensing capacity at a low cost per ton in power cost and upkeep as well as low installation cost.

BULLETIN No. 137

BULLETIN No. 142

AERO HEAT EXCHANGERS



Bulletins describe evaporative cooling apparatus that keeps control of temperature within two degrees by modulating the flow of air. Saves 95% of cooling water. Provides heat when needed.

BULLETIN No. 120

BULLETIN No. 132

AERO AFTER COOLERS



Describes equipment for cooling compressed air or gases, holding temperatures below ambient atmospheric temperature to prevent condensation of moisture. Includes application to air liquefaction systems.

BULLETIN No. 130

AERO VAPOR CONDENSERS



Providing high vacuum, independent of a large supply of cooling water. Solves the problem of water supply and disposal. Fully automatic. Saves power. Saves steam.

BULLETIN No. 139B

LIQUID COOLERS



Cooling for chilled water or solutions, with elimination of freeze-up damage, with rapid chilling of large fluid volume and close temperature control.

BULLETIN No. 104

MOTOR BLOWERS



Bulletin describes blowers in two series up to 34" static pressure. Available in one, two and three fan assemblies. Applicable to ventilating, drying, air conditioning.

BULLETIN No. 89

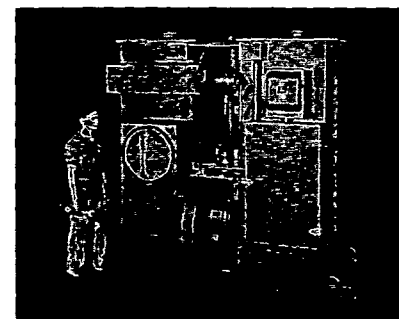
For complete information, copies of Bulletins, Engineering Data, address NIAGARA BLOWER COMPANY, 405 Lexington Ave., New York 17, N. Y. Niagara District Engineers are located in principal cities.

PITTSBURGH LECTRODRYER DIVISION

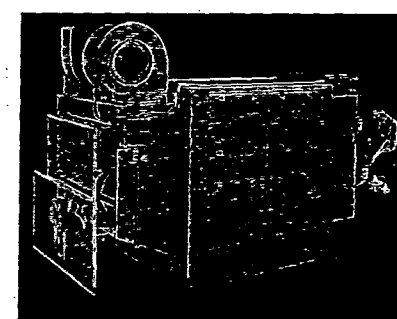
MCGRAW-EDISON COMPANY

P. O. BOX 1766

PITTSBURGH 30, PA.



This specially designed LECTRODRYER protects equipment in storage by maintaining a relative humidity of 35 percent or lower



Air-conditioning (CH-type) LECTRODRYERS are used for automatic lowering of relative humidities in many types of industrial applications

INDEPENDENTLY CONTROLLED DEHUMIDIFICATION FOR INDUSTRIAL APPLICATIONS AND AIR CONDITIONING

Air-conditioning (CH-type) Lectrodryers provide an efficient, economical means of dehumidification in industrial areas in which the material in process or in storage requires a relatively dry atmosphere. Lectrodryers are used for this purpose in pharmaceutical houses, food processing plants, metal storage areas, and many types of packaging plants. The uninterrupted production, higher quality and safer storage made possible by the introduction of dry air in such applications often save the user many times the cost of the Lectrodryer. In addition, operating costs are negligible.

The dehumidification process is continuous and completely automatic. It is completely independent of any air-conditioning apparatus that might serve the same general area. If cooling is desired along with dehumidification—either for comfort air conditioning or in conjunction with an industrial application—an after-cooler is mounted directly on the Lectrodryer.

Wide Range of Sizes and Capacities

Relative humidities of 35 percent or lower are obtained with standard CH-type Lectrodryers. Capacities range from 350 cfm to as high as 15,000 cfm. Moisture is removed from the air by means of a solid adsorbent—activated alumina—with automatic reactivation being accomplished by gas, steam or electricity.

Lectrodryers require almost no maintenance. The only moving parts are the motor and blowers, and the valve drive mechanism. Units are shipped completely assembled, ready for easy installation. All are manufactured to rigid standards that have made Lectrodryer one of the world's foremost manufacturers of adsorbent dryers.

Write for full details.