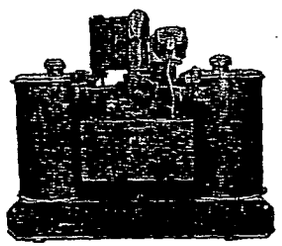
DESOMATIC PRODUCTS, INC.

1109 WEST BROAD STREET
FALLS CHURCH, VIRGINIA

ENGINEERS AND MANUFACTURERS

Representatives in Principal U. S. Cities and Abroad



ATMOSPHERIC EQUIPMENT

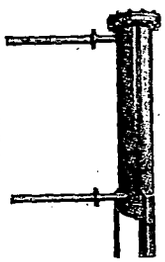
Standard units are available in 25 CFM, 100 CFM, 175 CFM, 500 CFM, 3000 CFM, and 5000 CFM sizes with capacities from 1/4 lb/hour to 87 lb/hour when rated at 70° and 35%.

INSTRUMENT AIR DRYERS

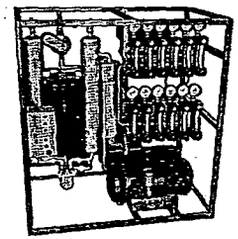


Small high pressure units are manufactured specially for instrument air dehumidification in 10 SCFM and 25 SCFM capacities.

PREFILTERS

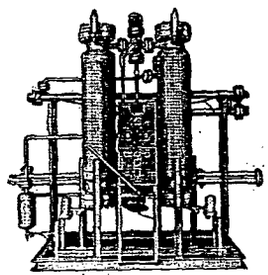


A complete line of prefilters and moisture separators is offered for installation in compressed air and gas distribution systems.



PRESSURIZATION DRYERS

We specialize in custom-made pressurization dryers for telephone, TV, defense and laboratory applications where it is vital to maintain low dew points in transmission cables.



HIGH PRESSURE EQUIPMENT

Standard units are available in capacities from 10 SCFM to 6250 SCFM at 100 PSIG and 90° inlet condition, in fully automatic, semi-automatic and manual control; and with electric resistance heat reactivation or steam or gas-fired heat on the larger sizes. Both the bleed and closed circuit design units are available for air and other gases.

DRYOMATIC CORPORATION

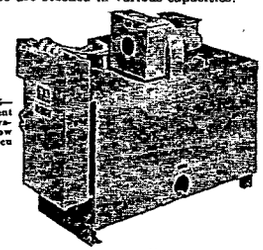
Dryomatic DRY CONDITIONER

806 N. FAIRFAX STREET, ALEXANDRIA, VIRGINIA

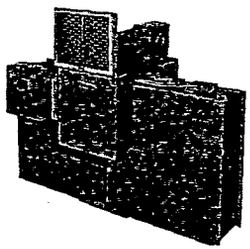
MANUFACTURERS OF COMMERCIAL, INDUSTRIAL AND HOME DEHUMIDIFIERS

Representatives in Principal U. S. Cities, Canada, & Abroad

DRYOMATIC manufactures a complete line of automatic dehumidifiers for accurate control of humidity in laboratory, processing, and storage operations. Desiccant type industrial and commercial air dryers are produced in a variety of standard models, and household dehumidifiers of both the mechanical and desiccant type are stocked in various capacities.



DRYOMATIC Model 105—Automatic solid adsorbent dehumidifier. Small in physical size, it will maintain low humidity in area of 35,000 cu ft.

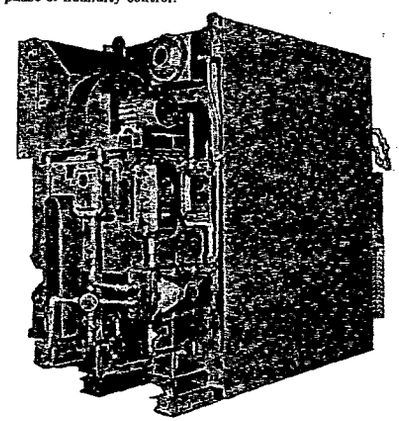


DRYOMATIC Model L-400—Low temperature space dehumidifier designed for refrigerated warehouses, cold storage plants, etc. One machine will handle 90,000 cu ft. effective area.

DRYOMATIC dehumidifiers are sturdy, time-tested package units which automatically and continuously remove moisture from the air through the use of stable, solid adsorbents such as silica gel and activated alumina. These desiccants are self-reactivated upon saturation by electric heating elements. Regeneration by steam or gas is available as optional equipment on larger models. Air handling capacities range from 25 cfm to 3000 cfm with water removal rates from 1 to 90 lb/hr. Units in other capacities can be built to meet individual specifications.

DRYOMATIC desiccant dehumidifiers operate over a temperature range from −40 F to plus 120 F. Their particular efficiency at low temperatures enables them to maintain low dew points without the use of reheat, making them suited for dehumidification of refrigerated areas in conjunction with existing air conditioning and cooling systems. Special units containing molecular sieve desiccant, for operating conditions above 120 F, are available. Machines may be installed either outside or inside the controlled area, and require only electrical power and two simple flexible hose or galvanized duct connections.

Write for further details, requesting Inquiry Data Sheet for engineering recommendations or consultation regarding any phase of humidity control.



DRYOMATIC MODEL 1500—adsorption type dehumidifier with steam reactivation, explosion-proof electrical fittings, and water-cooled after-cooler

Model Number	Type	Power	Typical Moisture Removal	Adsorption Air Flow	Effective Area (vapor sealed)
25 CT	Single-Bed, Solid Adsorption	115V, 60 Cycle, Single Phase	11.9 lb Water/24 hrs @ 90 F & 75% R.H.	27 cfm	10,000 cu ft
50	Dual-Bed, Solid Adsorption	115V, 60 Cycle, Single Phase	24 lb Water/24 hrs @ 90 F & 75% R.H.	50 cfm	17,500 cu ft
105	Dual-Bed, Solid Adsorption	115V, 60 Cycle, Single Phase	48 lb Water/24 hrs @ 90 F & 75% R.H.	100 cfm	35,000 cu ft
150	Dual-Bed, Solid Adsorption	230 or 208V, Single or 3-Phase (Δ or Y)	104 lb Water/24 hrs @ 90 F & 75% R.H.	150 cfm	75,000 cu ft
L-400	Dual-Bed, Solid Adsorption (for low temp.)	230 or 208V, Single or 3-Phase (Δ or Y)	90 lb Water/24 hrs @ 40 F & 75% R.H.	400 cfm	90,000 cu ft
500	Dual-Bed, Solid Adsorption	208, 230, or 440V, Single or 3-Phase, (Δ or Y connected) 60 Cycle	220 lb Water/24 hrs @ 95 F & 75% R.H.	500 cfm	220,000 cu ft
1500	Dual-Bed, Solid Adsorption	208, 230, or 440V 3-Phase, (Δ or Y)	880 lb Water/24 hrs @ 90 & 75% R.H.	1500 cfm	700,000 cu ft
3000	Dual-Bed, Solid Adsorption	208, 230, or 440V Single or 3-Phase, (Δ or Y connected) 60 Cycle	1775 lb Water/24 hrs @ 90 F & 75% R.H.	3000 cfm	1,400,000 cu ft