# drayer hanson

(Division of National-U. S. Radiator Corporation)

Factory and General Sales Office

**3301 Medford St.** **Los Angeles 63, California**

**Representatives in Principal Cities—Domestic and Abroad**

**Manufacturers of Air Conditioning and Refrigeration Equipment**

## REFRIGERATION AND AIR CONDITIONING

**THE B-I-G LINE-UP . . . 23 FULL LINES!**

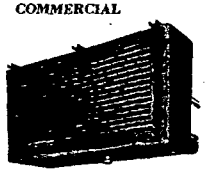
### d-h AIR CONDITIONING:

**SPOTAIRE ROOM - by - ROOM AIR CONDITIONERS:** #1 d-h LRC's: basic unit, concealed or deluxe cabinet; 4 models, 200 through 600 cfm. #2. VRC's: concealed or deluxe consoles; 4 models, 200 through 600 cfm. #3. d-h HRC's: 3 suspended types, 19 models, 300 through 1750 cfm.
**AIR HANDLING UNITS:** #4. d-h HH-Series: ceiling suspended. #5. d-h HHV-Series: floor mounted. Both: 14 models, 624 through 28,000 cfm.
**HIGH PRESSURE BLOW THROUGH:** #6. d-h HCD and HPF: Hot & Cold Deck, 10 models, 1752 through 32,250 cfm.
**VENTILATING UNITS:** #7. d-h AM: 1752 through 32,250 cfm. 9 sizes.
**MULTIZONE TYPES:** #8. d-h **FLEXAZONE:** for simultaneous, independent, variable heating, cooling, ventilating; 1752 through 32,250 cfm. 9 sizes.
**PACKAGED AIR CONDITIONERS:** #9. d-h AECR: with built-in evaporative condenser. #10 d-h SCR: with water-cooled condenser. Both, 7½ through 75 hp.
**PACKAGED STORE COOLERS:** #11. d-h DYNA-PAC & ROYAL-AIRE: 2 through 15 ton.
**PACKAGED WATER CHILLERS:** #12. d-h CWG: 7½ through 75 hp. #13. d-h CWG-E: attached evaporative condenser. Both 7½ through 75 hp.
**EVAPORATIVE CONDENSER:** #14. d-h **PERMA-FAN:** 13 models; 5 through 110 ton.
**COILS:** #15. d-h Extended surface; steam, water, DX, Ammonia, Brine. #16. TYPE "H"; small applications, DX or chilled water.
**COOLING TOWERS:** #17. d-h WMT: 13 models, 5 through 100 ton.
**AIR-COOLED CONDENSERS:** #18. d-h ACC: 13 models, 3 through 80 ton.

### d-h COMMERCIAL REFRIGERATION:

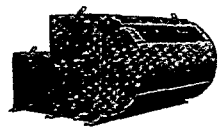
**UNIT COOLERS:** #19. d-h **FLOCOLD UNIT COOLERS:** over 34 F; 15 models; 750 through 11,000 cfm. #20. d-h **FLOCOLD:** under 34 F, water defrost, 11 models, 750 through 11,000 cfm. #21. d-h **FLOCOLD:** over and under 34 F water-defrost ammonia, 7 models, 2000 through 13,200 cfm. #22. d-h **FLOCOLD HOT GAS:** 11 models, 750 through 11,000 cfm. #23. d-h SPASAVER: over 34 F. 9 models, 730 through 4400 cfm. #24. d-h **HOT SHOT: AUTOMATIC ELECTRIC DEFROST:** under 34 F, 6 models, 700 through 3700 cfm. #25. d-h HRC; **MEAT CUTTING & PACKAGING ROOM UNITS:** 14 models, 500 through 1750 cfm. #26. d-h **FLOCOLD HOT PAN; FRUIT/VEG./MEAT ROOMS:** 11 models, 750 through 11000 cfm.
**PRODUCT COOLERS:** #27. d-h **FLOCOLD (FT & CT; FTWD & CTWD; FTAF & CTAF):** 9 models; 1314 to 24,000.
**REPLACEMENT HOUSING:** #28. d-h **SPASAVER:** kit to modernize on-job unit coolers.

COMMERCIAL



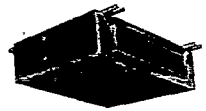
"FLOCOLD"

INDUSTRIAL

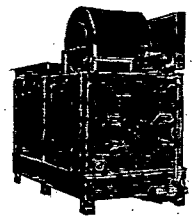


"HCD" HIGH PRESSURE BLOW THRU

RESIDENTIAL



"SPOTAIRE LRC"



"PERMA-FAN" EVAPORATIVE CONDENSER



# DRYOMATIC CORPORATION

Dryomatic DRY CONDITIONER

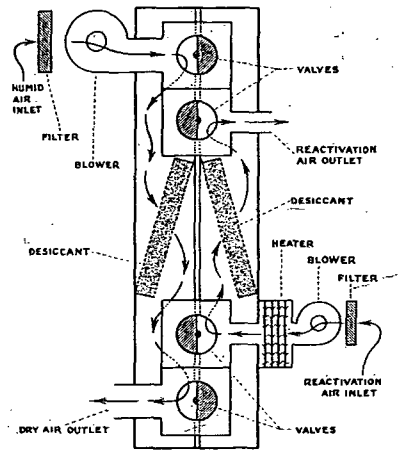
**806 N. FAIRFAX STREET, ALEXANDRIA, VIRGINA**

## 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.

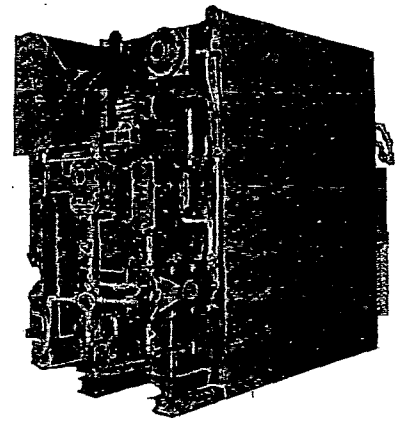
SCHEMATIC DIAGRAM




**MODEL 1500—Schematic Diagram showing basic principle of design of all Dryomatic Dry Conditioners**

**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 1500 cfm with water removal rates from 1 to 45 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 |
| 100 | Three Bed, Solid Adsorption | 115V, 60 Cycle, Single Phase | 40 lb Water/24 hrs @ 90 F & 75% R. H. | 90 cfm | 25,000 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 | 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 208 V, Single or 3-Phase, Δ or Y | 90 lb Water/24 hrs @ 40 & 75% R. H. | 400 cfm | 90,000 cu ft |
| 1500 | Dual-Bed, Solid Adsorption | 230, 208, or 440V 3-Phase, Δ or Y | 880 lb Water/24 hrs @ 90 & 75% R. H. | 1500 cfm | 700,000 cu ft |

**A DRYOMATIC DRY CONDITIONER FOR EVERY DEHUMIDIFYING NEED**