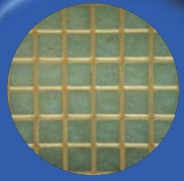
LTD

DD300

REMOTE CONTROL

AMMETER



FILTER

QUIET OPERATION

PHARMACEUTICAL • CONFECTIONARY • DEFENCE INDUSTRY

WATER DAMAGE • COLD STORES • POWER STATIONS • PLASTICS

DD300 DESICCANT DEHUMIDIFIER

WHY THE NEED FOR A DEHUMIDIFIER?

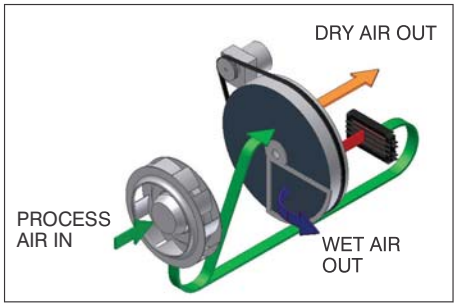
Dehumidifiers are required wherever there is a need to lower the humidity level to prevent corrosion, mould growth and condensation or maintain a low humidity condition during manufacture, packaging or storing of hygroscopic products.

METHODS OF DEHUMIDIFICATION

Dehumidification is possible using two possible principles, Condensation with refrigeration style dehumidifiers and Adsorption with desiccant dehumidifiers.

Desiccant dehumidifiers perform exceptionally well when used in cooler climates, or when a low dew-point, deep drying or low humidity levels are required. Since desiccant dehumidifiers do not produce water, they will work effectively down to sub zero temperatures.

Their operation is simplistic yet extremely effective and reliable. Air (Process Air) is drawn into the dehumidifier, where is passes over a wheel impregnated with Silica Gel. As the air passes over this wheel, any moisture present in the air, is absorbed into the Silica Gel wheel before leaving the dehumidifier as warm dry air.



The Silica Gel wheel is continually, slowly rotating, typically at three revolutions per hour. As the wheel rotates a small portion passes through the regeneration segment. During this phase a second air stream (Regeneration Air) is heated to a high temperature before passing over the wheel. Any moisture present in the wheel is released into this air stream, this hot wet air is then exhausted outside the area being dried.

WHY CHOOSE EIPL?

EIPL is Europe's leading manufacturer of dehumidifiers and is a name you can rely on. No matter how extreme the conditions EIPL's efficiency copes comfortably even at the coldest temperatures.

RUGGED CONSTRUCTION & YEARS OF SERVICE

Over thirty seven years of development experience means you can rely on the proven track record of the EIP range of dehumidifiers. Every dehumidifier is designed for efficiency and ruggedness, and built to last. The popularity of EIP Ltd's dehumidifiers with the plant hire trade speaks for their reliability, portability and outstanding durability

DD300

The DD300 desiccant dehumidifier has a compact, rugged, lightweight design which facilitates easy transportation by one person, and is easily accommodated within space restricted areas. The unit incorporates a PTC Heater ensuring maximum drying is immediately reached, and constantly maintained while the unit is running.

In addition to the hours run meter, which shows the units running time, an ammeter is also incorporated in order to monitor the units drying effectiveness. Manual / Automatic control is a standard feature within the DD range of desiccant dehumidifiers, and a remote humidistat can quickly and easily be connected for automatic operation and control

The EIP range of DD desiccant dehumidifiers are all manufactured from a high grade stainless steel, ensuring a rust free product when used in the most sever of applications The spigot connectors allow quick and easy installation

All models incorporate a high efficiency patented PPS Rotor. This design incorporates a 82% active Silica Gel to ensure optimum performance over the equipments wide operating range of environments. All desiccant rotors supplied by EIPL are washable, and designed for high performance / long life.

SPECIFICATIONS INCLUDES:

SPECIFICATIONS	DD300
MODEL NO.	10501SS-GB
Height (mm)	370
Width (mm)	360
Depth (mm)	430
Weight (kg)	20
Voltage (V)	230
Current (A)	6
Phase	1
Frequency (Hz)	50
Power (kW)	1.5
Process Airflow – Dry Air (m3/hr)	290
Regen Airflow – Wet Air (m3/hr)	75
Process Duct Size – Dry Air (mm)	130
Regen Duct Size – Wet Air (mm)	70
Rotor Wheel Speed (rph)	20
Typical Extraction @ 28°C 60% - lt/day	29
Min. Operating Temperature (°C)	-20
Max. Operating Temperature (°C)	40

FEATURES INCLUDE:

SPECIFICATIONS	DD300
MODEL NO.	10501SS-GB
On/Off Control	✔
Ammeter	✔
Electronic Controls	✔
Manual / Automatic Mode Selection	✔
Remote Humidity Sensor Facility	✔
Hours Run Meter	✔
Fitted Mains Plug	✔
Fan Speeds	1
High Capacity PTC Heater	✔
Process / Regen Air Filter	✔
Rubber Anti-Vibration Feet	✔
Single, Air Inlet Design	✔
Free Standing	✔
Humidistat	O
Carrying Handles	✔
Stainless Steel Construction	✔
Inlet Duct Attachments	O
High Temperature Safety Cut-outs	✔

APPLICATIONS:

APPLICATIONS			
Offices	✔	Laboratories	✔
Shops	✔	Medical	✔
Restaurants	✔	Food Industry	✔
Warehouses	✔	Agriculture	✔
Basements	✔	Cold Stores	✔
Factories	✔	Hospitals	✔
De-Flooding	✔	Hotels	✔
Pharmaceutical	✔	Stadiums	✔
Defence Industry	✔	Ships	✔
Confectionary	✔		

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