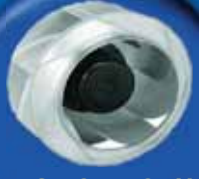
LTD

DD6000

PR0GRAMABLE CONTROLLER

AIR FILTER



HIGH CAPACITY EC FAN

STEAM, GAS & ELECTRIC HEATING

FACTORIES • PHARMACEUTICAL • DEFENCE INDUSTRY • SHIPS

WAREHOUSES • COLD STORES • ARCHIVES • POWER STATIONS

DD6000 DEHUMIDIFIER

WHY THE NEED FOR A DEHUMIDIFIER?

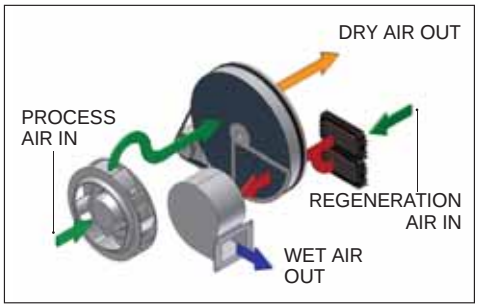
Dehumidifiers are required wherever there is a need to lower the humidity level to prevent corrosion, mould growth and condensation or maintain a low humidity condition during manufacture, packaging or storing of hygroscopic products.

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?

With over thirty seven years of experience, EIPL is Europe's leading manufacturer of dehumidifiers and the name you can rely on. No matter how extreme the conditions EIPL's efficiency copes comfortably even at the coldest temperatures.

DD6000

The EIPL desiccant dehumidifiers all incorporate the well proven, Proflute / Munters desiccant wheels thereby ensuring their products, as a minimum, equal performance to major competitors products. This range of large desiccant dehumidifiers, have been designed to accommodate a wide range of regeneration heat sources, ie electric, steam and gas, thereby ensuring a wide variety of installations are accommodated.

The programmable electronic controller, and high capacity EC process fan, allows easy installation and also the flexibility for the end user to fine tune drying capacities catering for, high extraction, high efficiency or deep drying, depending upon the final application.

Facility for an external humidistat allows remote control of the drying cycleAll models incorporate a high efficiency patented PPS Rotor. This design incorporates an 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.

The chassis design incorporates access points for fork lifts and pallet trucks, allowing for easy maneuvering into awkward site locations. All side panels are removable, allowing for easy servicing and maintenance. Should a fault arise various fault indicator lamps allow easy diagnostics and thereby minimum downtime.

SPECIFICATION:

SPECIFICATIONS	DD6000
MODEL NO.	VARIOUS
Height (mm)	1,400
Width (mm)	2,000
Depth (mm)	1,000
Weight (kg)	560
Voltage (V)	415
Phase	3
Frequency (Hz)	50
Typical Current Fans Only (A)	10
Heating Power (kW)	45
Gas Regeneration Option (Usage)	TBC
Steam Regeneration Option (m3/hr)	14.5
Electric Regeneration Option (kW)	45
Rotor Size (dia X depth)	850 X 200
Process Airflow - Dry Air (m3/hr)	3,000
Process Airflow Static Pressure (pa)	1,095
Regen Airflow - Wet Air (m3/hr)	750
Regen Airflow Static Pressure (pa)	1,345
Process Duct Size - Dry Air (mm)	400
Process Air Inlet (L X W mm)	740 X 535
Regen Duct Size - Wet Air (mm)	250
Regen Air Inlet (L X W mm)	485 X 485
Typical Extraction @ 27°C 60% (l/day)	876
Min Operating Temperature (°C)	-20
Max Operating Temperature (°C)	40

FEATURES:

FEATURES	
On/Off Control	✔
Electronic Controls	✔
Manual / Automatic Mode Selection	✔
Remote Humidistat Sensor Facility	✔
Mains Isolator	✔
Variable Fan Speeds (Speed Controlled)	✔
Steam Regeneration Option	✔
Gas Regeneration Option	✔
Electric Regeneration Option	✔
Process / Regen Air Fliter	✔
Dual Inlet Design	✔
Free Standing	✔
Humidistat	O
Stainless Steel Construction	O
Inlet Duct Attachements	O
High Temperature Safety Cut-outs	✔

APPLICATIONS:

APPLICATIONS	
Warehouses	✔
Factories	✔
Pharmaceutical	✔
Defence Industry	✔
Confectionary	✔
Laboratories	✔
Medical	✔
Stadiums	✔
Ships	✔

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