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CASE STUDY 3

Moisture control
solution to a Pharma
Company based in
Hyderabad

THE OBJECTIVE

One of the Pharma company based in Hyderabad were in need of a total moisture control solution to their existing clean-rooms where they manufacture and pack paracetamols and other antibiotic drugs.

The rooms are interconnected in which tablet coating and packing takes place simultaneously. The coating process essentially releases the powder which choke the return air filters in no time. Hence, handling this excess powder particles in return air is a challenge. Moreover, They needed a humidity level of 35% RH to be maintained at 22-24°C. almost 40-45 people are working per shift. The whole pharma unit runs 24X7 (3 shifts) which makes dehumidification process a critical necessity.

" Handling the Powder particles before moisture removal is a challenge as it might choke the desiccant wheel "

Requirements

- Required RH = NMT 35 %
- Required Temp. = 22-24°C
- Powder Particles to be effectively managed.



OUR SOLUTION

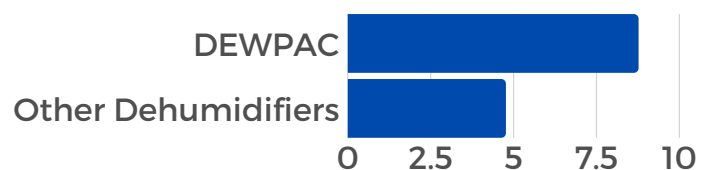
The moisture of the existing rooms were typically controlled by old and worn out desiccant dehumidifiers. The Humidity is partly controlled by the supply Air Handler which acts as the first stage of dehumidification. The main dehumidification is done by these existing dehumidifiers. The client complained that the existing dehumidifiers aren't performing as expected and are taking long hours to reach the set conditions.

Our team approached the site and found that the wheel has been choked with dust and powder thereby leading to low performance. Hence, We proposed a complete dehumidification unit with 2 stage flange Filtration so that the powder is arrested at the source itself. Moreover, The desiccant units supplied to the client are perfectly sized to exactly match their need.

The Dewpac Series Desiccant Units are employed to cater to thier moisture control needs.

The Client is more than happy as the conditions are being continuously maintained. What's more, We send our technical engineers for the unit's inspection every 4 months and get its situation even before client calls us because, We deliver our commitment along with the product.

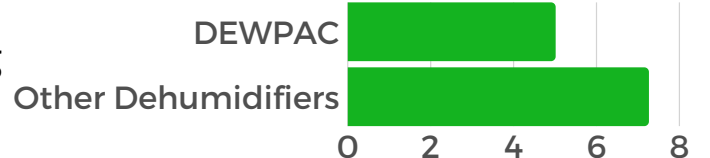
After-sales Support & connect with the client



A customised Solution suiting your need



Price of the offering (1000CFM) unit



AHU / Filters / ducting / ADP / AMC / Exhaust support

