

COMBY®



By:  *Panasia Engineers Pvt. Ltd*

About *Panasia Engineers Pvt. Ltd.*

We are known for innovative designs in HVAC&R

We also have many designs related to green technology like "Structure Cooling"

All of our products performs with high energy efficiency

We provide user specific designs to suit all the clients needs

Our systems achieve a highly controlled environment within control specifications

Comby[®]

4°C Dew point
Air

No Heaters

No Desiccants

50% to 70%
energy Saving

Precision
temperature
control i.e. $\pm 1^{\circ}\text{C}$

Available in AHU
or Packaged or
Tower or
Window Models

The “Comby[®]” Principle

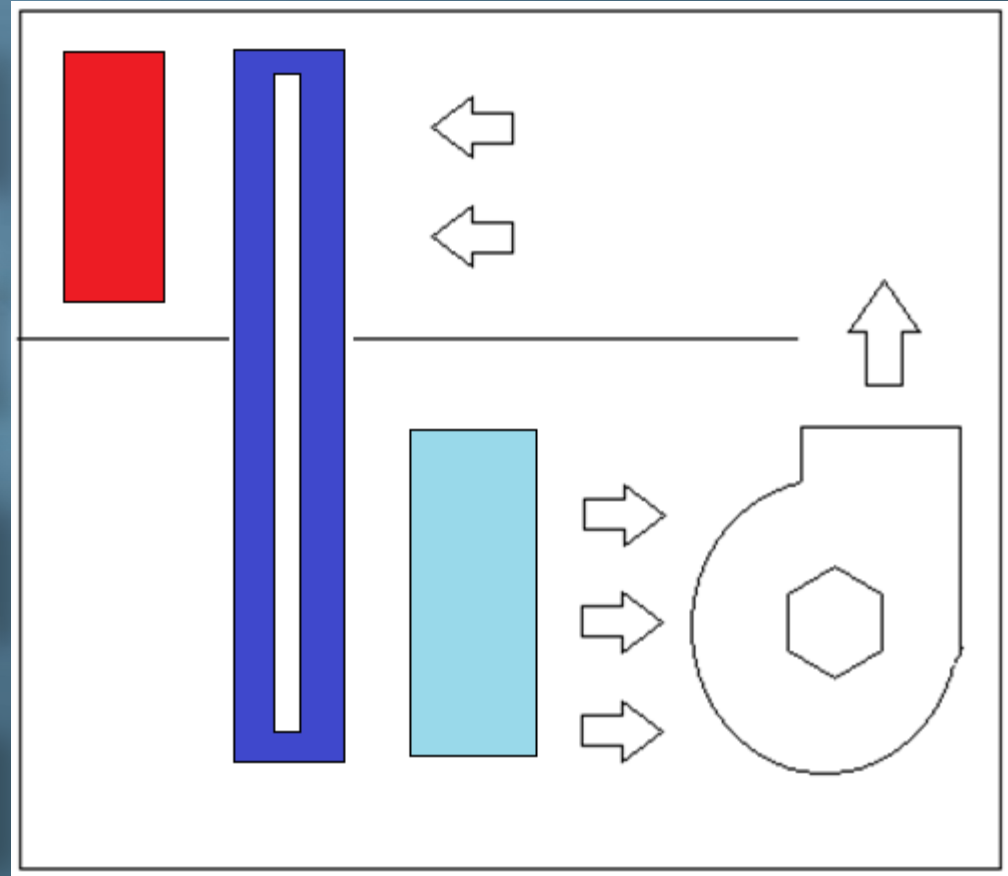
Use the return air to both re-heat the supply air at the same time pre-cool itself.

Use reflux boiling element to perform the above functions.

Start the unit in the fast cooling mode.

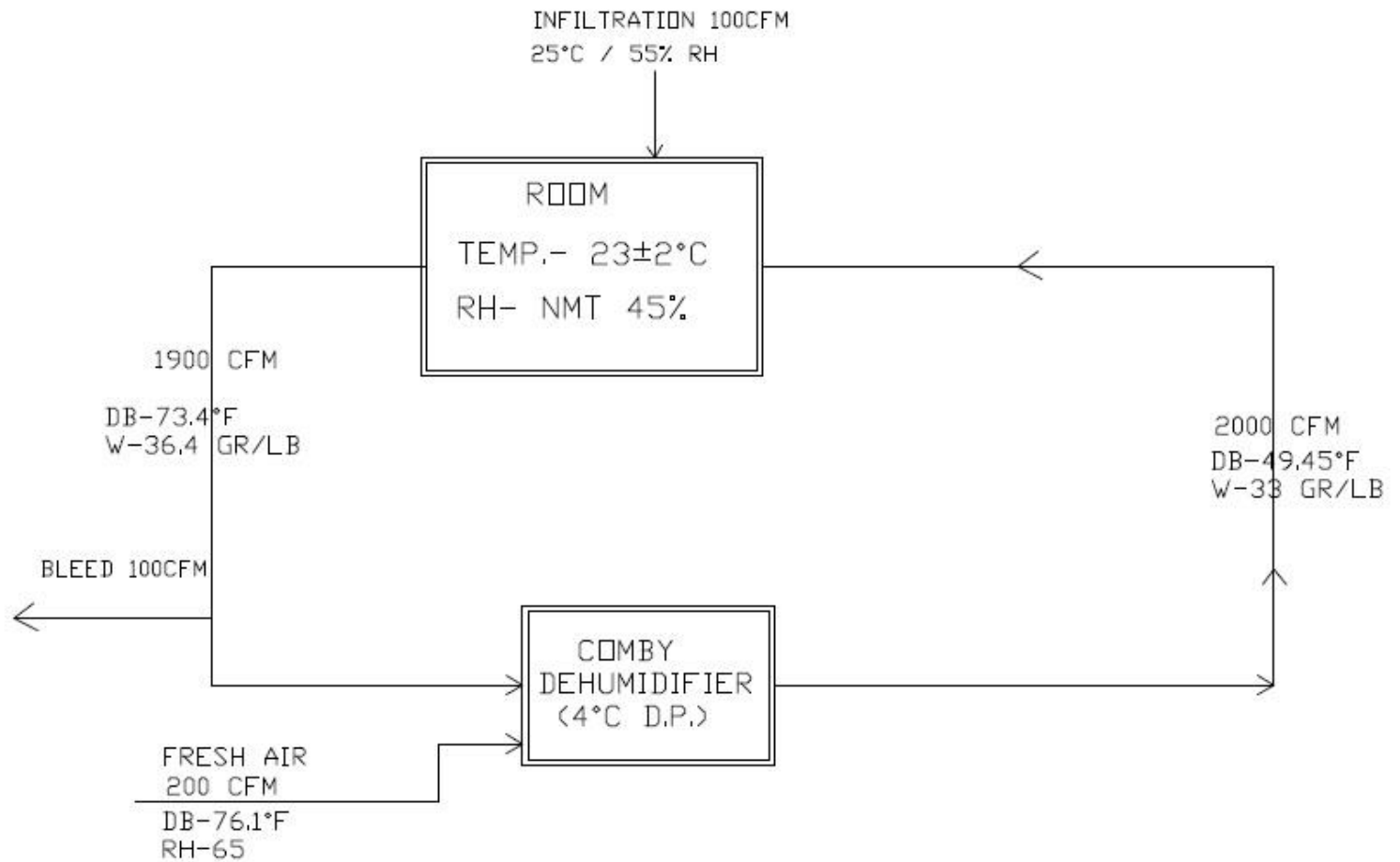
Once Temperature is achieved
Dehumidification Starts.

Extra Reheat from the Compressor will turn on / off depending on the room conditions

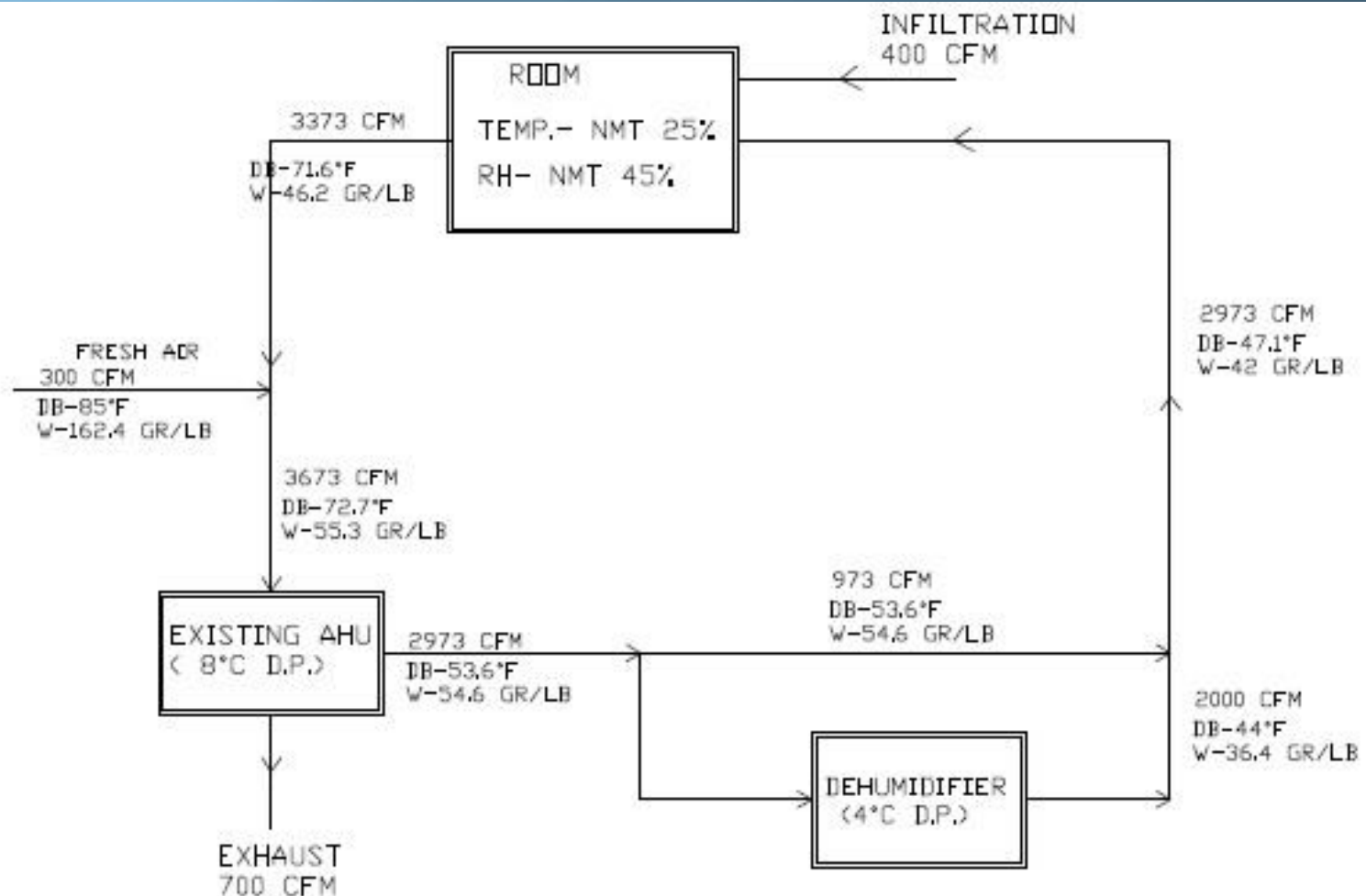


Comby[®]

Typical Air-flow diagram for Comby®



Typical Air-flow diagram for "Comby 2"



Typical Uses of Comby®

Pharma Production Area

Storage Area's

Food / Hygroscopic material Packing Area

Energy Saving (Replacing Desiccant Dehumidifiers)

Comby® 2 can be used for reducing RH in Existing AHU's

Top Clients



Cipla



ipca
A dose of life



RANBAXY
LABORATORIES LIMITED



Lupin Ltd.

Cipla
Laborator
ies

IPCA
Laborator
ies

Ranbaxy
Laborator
ies

Lupin
Ltd.