

SMART Energy Savers for Pharma/Health Care HVAC&R

EcoCHILL
Energy ↓ Cost ↓ CHILL ↑



**FIRE
YOUR
IMAGINATION**

All the static inputs of your Heat Load are included in the SMART Energy Saving System. These include Directions, Constructions, Lighting, Room Dimensions, Insulations etc.

All the dynamic variables are being sensed by the SMART Energy Saving System. These include Indoor DB, RH, Out DB, WB, Room Pressures, Room Eqpm Loads, Air Qty etc.

All these are being used to CALCULATE the Heat Load in REAL TIME & being compared with DESIGN Load, to KNOW what needs to done. Cool? Dehumidify? Heat? Humidify? ADP? CHW WaterTemps? HW Temps? CHW Qty? HW Qty? Dessicant Dehumdifier? Bypass? Air qty? FA Qty?

The SMART Energy Saving System CHOOSES the BEST WAY! Also has Auto-Controlled ADD-ON Systems to De/Increase CHW/HW Temps, to IMPLEMENT it! And modulate the Qty of Cool / Heat / Air Flow etc.

Better Still, has onboard a DX/EC Cooling System, with Hot Gas Heating / Reverse Cycle Options, Fogging Systems, AHU with VFD. Incl All sensors, PLC, HMI, Elec Panel . . .

- A. Save Energy on Cooling, Heating, De/humidifying.
- B. REALIZE Energy Savings due to favourable weather
- C. Use the BEST PROCESS to achieve RESULTS.
- D. Get the BEST of de/centralized Cooling/Heating.
- E. Eliminate Excess Cool/Heating due to Process Limits.
- F. UPDATE the system Software within minutes.
- G. Therefore REUSE the systems for NEW Apps.
- H. Use Data Mining / AI for further improvements
- I. And much more . . . **Let Your Imagination Soar . . .**

**NOW
IT'S
EASY
TO
SEE
THESE!**



Chiller CHE



SMART Systems



Regen TFA or AW



Evap Fluid Cooler EFC



Heat Pump [HPA/HPF]



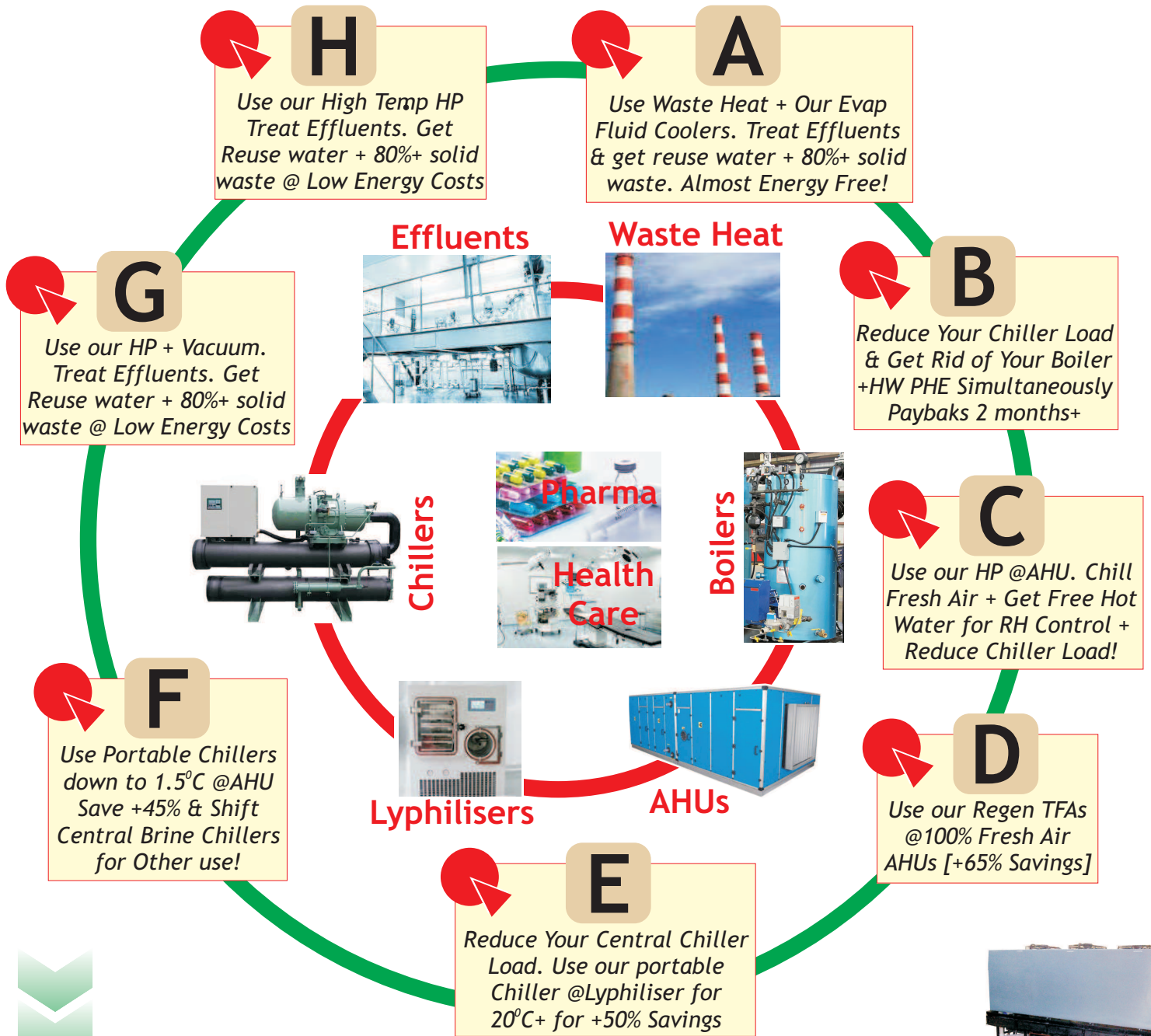
9822519844

@ www.ecochill.co.in



info@ecochill.co.in

Multiple Energy Savers for Pharma & Health Care!



ES#	Where Would You Get Max Benefit From Energy Savers [ES]?
A	You Have Effluents to treat & have Waste Heat Source @100 deg C+
B	You Use Centralized Chillers & Hot Water PHEs with Steam from Boiler
C	You Use AHUs with Fresh Air Room +ve Pr & HW for RH Control
D	You Use AHUs with 100% Fresh Air for Bio-Security &/or Room +ve Pr
E	You Use Lyphilisers with 7 deg C CHW for 2nd Stage Circuit
F	You Use Centralized Brine Chillers for Lower Room RH
G/H	You Have Effluents to treat BUT no waste heat source



Evap Fluid Cooler



Portable Chiller



Regenerative TFA



Heat Pump [HP]

