



GLOBAL
COLD CHAIN
EXPO



Eliminate Frost, Ice, and Condensation

Dan Dettmers – Applications Engineer



QUEST
DEHUMIDIFIERS

Common Myths

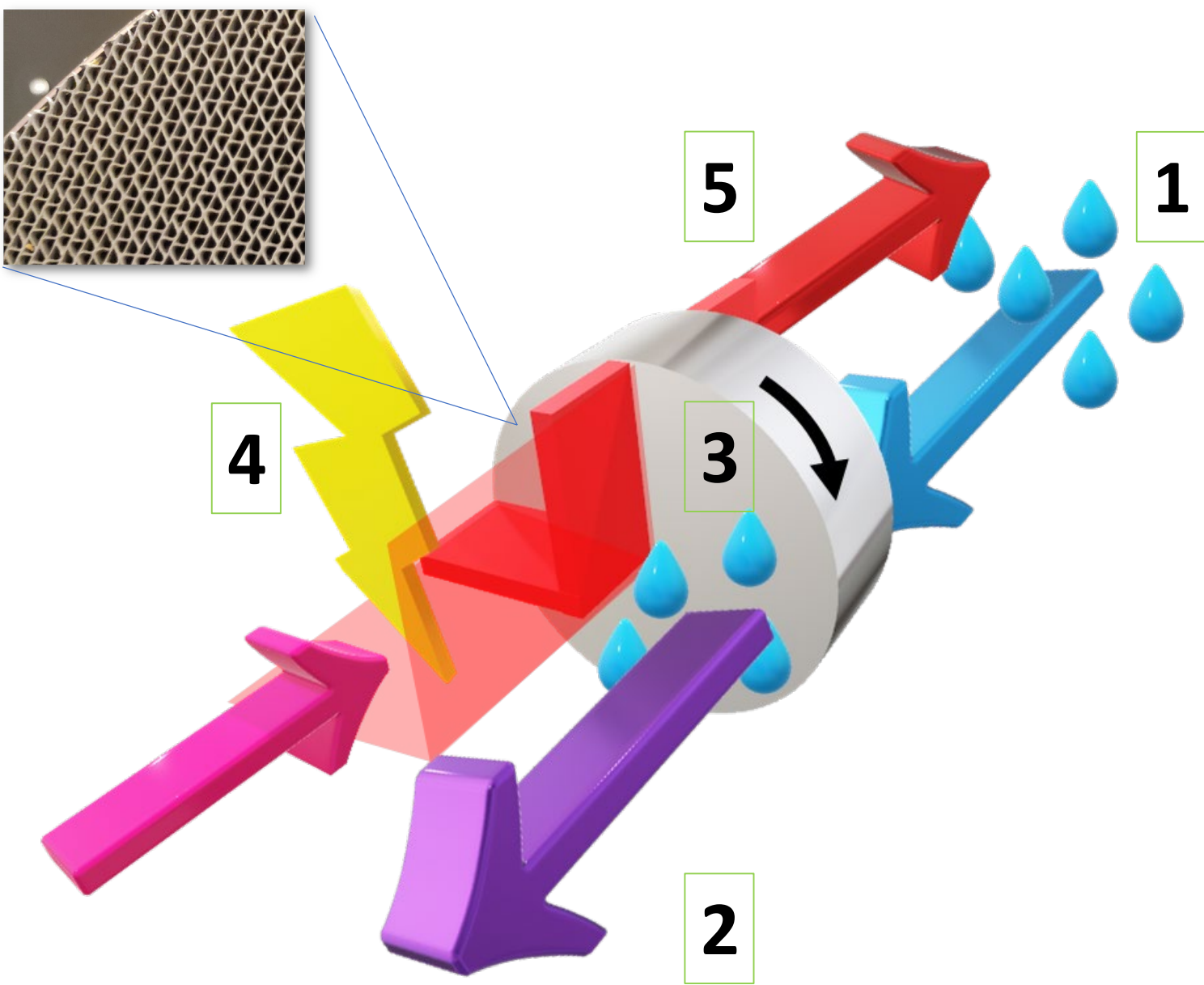
+
**Frost is a result of a
poorly configured
refrigeration system**

+
**The only way to remove
moisture is to defrost the
coils**

+
**Dehumidification is too
expensive and/or
complicated**



IT DOESN'T NEED
TO BE DIFFICULT
QUEST CAN HELP



Principles of Desiccant Dehumidification

- 1) Humid process air passes through silica gel wheel, adsorbs water
- 2) Dry air is returned to conditioned space
- 3) Wheel rotates slowly (3-4 RPH)
- 4) Heat added to second air stream, passes through regeneration portion of wheel
- 5) Very hot, very humid air is expelled from facility

Benefits

- +
Stop conditions that create mold,
mildew, staining, and bacterial
growth
- +
Reduce defrost cycles
- +
Curtail corrosion causing
condensation
- +
Reduced energy consumption in
refrigeration system
- +
Eliminate slip-fall hazards
- +
Regulatory compliance
- +
Accelerate clean-up drying



Applications



+

Storage

Walk-ins, loading docks,
freezers, cold store
warehouses



+

Processing

Meat production, dairy,
produce, clean-up cycles,
bakeries



+

Retail

Display cases, storefronts,
convenient store coolers,
restaurants, bars

QUESTIONS?

www.QuestClimate.com

OR COME TO BOOTH 25018

THANK YOU!

