



# Did You Know...

May 2019 Edition

## Featured Unit: Surgical Suite Desiccant AHU

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Hospital and healthcare owners are increasingly challenging their surgical suite HVAC designs to operate at lower than historical space temperatures. This can pose significant challenges to the air handling system serving the surgical spaces. The primary challenge being as the space temperature (db) is lowered, the subsequent space dew point (dp) must also be lowered to ensure the space relative humidity remains within permitted range. In many cases this requires delivering a supply air dew point, to the surgical suite, at a 40F dew point or below. One of the most efficient and reliable methods to deliver a dew point below 40F is by using a desiccant dehumidification wheel. The below Xetex air handling unit was designed with the precise demands of a low dew point surgical suite in mind.

### Unit highlights:

- Outdoor unit w/ 20ga painted acrylic exterior
- 316 stainless steel interior on supply airstream
- 3" injected foam panels
- Desiccant dehumidification rotor
- Dual direct drive supply and return fans
  - ◊ Backdraft dampers
  - ◊ Piezo ring air flow measurement
- DX post cooling coil (sensible)
- UV lights on DX coil
- 12" HEPA final filters
- Outside air flow monitoring
- 57 tons air cooled condensing with low ambient kit
- Steam Humidifier manifold w/ SS drain pan
- Factory provided and fully programmed DDC controls



MODEL: AHR-1525- RT-CD-HI-HR-FF-AC	
Height:	98"
Length:	366"
Width:	110"
Weight:	19,000 lbs
Supply CFM:	9,500
Regen CFM:	2,459
Energy Recovery:	Desiccant Wheel
Cool Type:	DX w/ packaged AC
Heat Type:	None

If you need assistance on any application you are currently working on please contact Xetex Sales at 612-724-3101 or email us at [sales@xetexinc.com](mailto:sales@xetexinc.com).

