

# Just the Facts

WYNN HOSPITAL

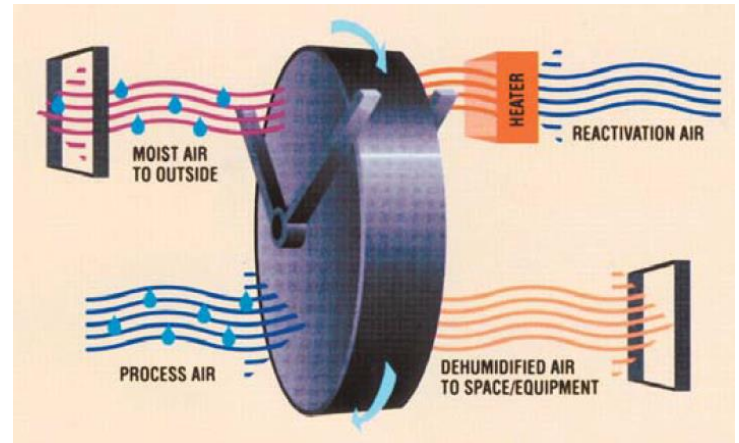
Each week, "Just the Facts" provides information about a key aspect of the Wynn Hospital being built by Mohawk Valley Health System (MVHS). It is designed to keep our medical staff, employees and volunteers updated and to share with family, friends and neighbors so we keep our community informed about how we're transforming healthcare in our region.



## TOPIC FOR TUESDAY, APRIL 26, 2022:

*What will be used in the Wynn Hospital to help reduce humidity?*

The air handler units on the roof of the Wynn Hospital will have an impressive piece of technology to reduce humidity in the building: a desiccant dehumidifier. Desiccant dehumidifiers work by using a large desiccant wheel to adsorb moisture from the process air stream. As the process air is dried, the moisture content of the wheel rises. To remove this moisture, the wheel is in constant rotation and a second air stream is heated and passed through the wheel. This heated air stream picks up the moisture from the wheel, in turn drying the wheel so it is reactivated and able to continue to dry the process air.



Desiccant dehumidifiers perform great in low temperatures, especially when compared to refrigerant dehumidifiers. In cold conditions, refrigerants tend to freeze up, or else remain in defrost mode for extended periods of time which doesn't remove much water from the air. Desiccants, continue to remove moisture even at zero degrees Fahrenheit. This intuitive system determines the mode of operation based on the supply air temperature and will adjust depending on if the temperature is greater or less than 42 degrees Fahrenheit.

