

600 DES/DX CR

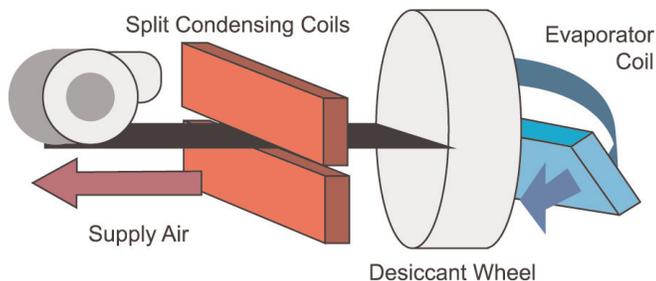
Energy Efficient Specialty Dehumidification
Advanced Humidity Control

The 600 **DES/DX CR** is a modified version of NovelAire's DES/DX CR product line that provides for efficient operation over a wide range of operating conditions combined with a compact design to allow for significant flexibility with respect to installation. The DES/DX CR is a hybrid dehumidifier that integrates both refrigerant-based and desiccant dehumidification to achieve a synergistic effect and provide below freezing evaporator temperature. The single-path design avoids the need for a separate regeneration air stream. The 600 DES/DX CR can be used as a substitute for high temperature gas or electric regenerated units that are expensive to operate.



HOW IT WORKS

The first-pass through the desiccant wheel serves to concentrate moisture content in the air stream. Pre-heating with waste condenser amplifies moisture removal from the desiccant wheel. Moisture is rejected by the evaporator coil and further dehumidification occurs during the second-pass through the desiccant wheel. Additional condenser heat is rejected downstream from the wheel prior to discharge to the space.



FEATURES & BENEFITS

- Energy savings for low temps, low dewpoints
- Avoids expensive hi-temp gas / electric regen
- Sub-freezing dewpoint without regen stream
- Improved IAQ with independent %rh control
- Low-profile cabinet to suspend in drop-ceiling
- Improve material life; eliminate standing water
- NovelAire proprietary high performance desiccant wheel
- ETL listed, industrial-grade construction

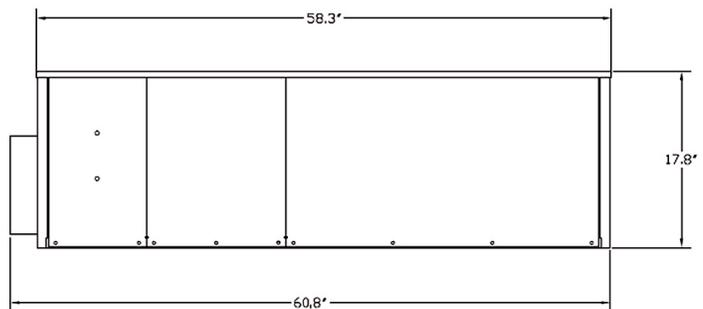
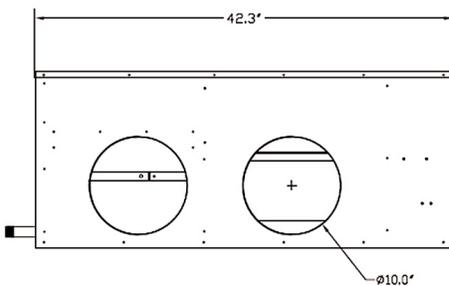
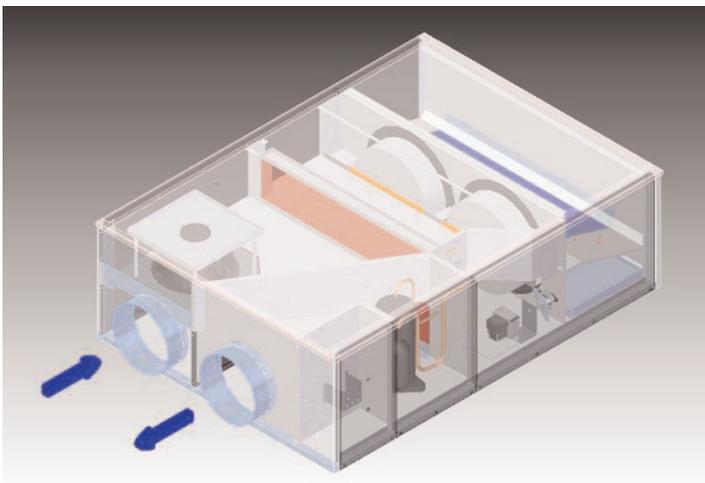
APPLICATIONS

- Library and archives
- Water treatment facilities
- Cold storage, food preservation
- Museums, artifact storage
- Grocery store cold aisle
- Military equipment and munition storage
- School and university – laboratory, classroom



SPECIFICATIONS

Size:	42.3" W x 58.3" L x 17.8" H
Weight:	395lbs.
Electrical:	208-230V / 1Ph / 60Hz / 19.1FLA
Compressor:	2 ton; R454-B
Process Flow:	680 cfm
Fan:	1.5hp; 0.6" ESP
Capacity:	13.8lb/h (80F / 60% rh)
Certification	ETL Listed



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Creating the Great Indoors

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