Surna Cultivation Technologies Highlighted the Difference Between HVACD and HVAC

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Surna Cultivation Technologies is a leading provider of HVAC equipment and MEP engineering services. This Boulder, Colorado-based company works with growers to design and build efficient, sustainable growing environments that maximize yields and minimize costs. Their team of experienced engineers provides support throughout the entire process, from concept to completion. They also offer a wide range of products and services specifically tailored to the needs of the cannabis industry.

Differences between HVAC and HVACD can be hard to spot. But, as experts in the industry, Surna sees them every day.

In a post on their website, they decided to highlight some of the key distinctions between the two types of systems.

The experts at Surna outline, "As the name implies commercial HVAC systems provide businesses with heating, ventilation, and air conditioning. However, for experts in indoor ag and cannabis facility design, it has become apparent that the traditional HVAC acronym fails to include an important pillar of the mechanical system; dehumidification."

Surna continued, "For many years, industry professionals, including ourselves, sought to ensure dehumidification was included in the discussion whenever talking about grow room HVAC. We?d often simply tacked it onto the end of the acronym, resulting in the lengthy ?HVAC and dehumidification.? The problem here was not just that ?HVAC and dehumidification? is a mouthful, but its structure also portrays dehumidification as an afterthought or a less important piece of the mechanical system. Over time, more and more industry climate experts and growers have adopted the term ?HVACD? (as well as punctuated variants including ?HVAC/D? and ?HVAC-D?)."

The agricultural industry faces unique challenges when it comes to HVACD. Plants transpire, and therefore produce high levels of humidity which need to be properly maintained to prevent damage to crops ? and this applies to everything from cannabis to lettuce to herbs and everything else that can be grown indoors.

The process of HVACD can be a bit daunting to many building and business owners. They often don't know where to start, who to trust or what questions to ask. Hiring an expert in the field of HVACD can help take the guesswork out of the process and ensure that the work is done properly the first time.

Surna added, "To help guide your decision making, and avoid issues related to achieving the target VPD, or overspending on your HVACD system, you will need to hire a qualified mechanical engineering team with prior experience working successfully with other indoor cultivators. Most engineers will provide a design and recommend equipment based on their specs. The onus is then on you to procure the equipment and have it installed."

Surna Cultivation Technologies is unique in that they offer both a la carte options (mechanical engineering, HVACD equipment, climate controls, and more) as well as the ability to provide comprehensive facility design from floor plans and architectural design to climate control systems and beyond. Not only this, but Surna's business is modeled to provide as many options as possible to ensure they can supply a great fit for every facility regardless of budget, size, or location. Other engineering and HVACD equipment suppliers will create a design that fits the specs of the equipment they sell. They take the reverse approach and present equipment options best suited for each design.

If growers want to know more, they can request further information about Surna?s dehumidification equipment and HVACD engineering services by contacting Surna (www.surna.com) today.
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Surna Cultivation Technologies

Surna, Inc is headquartered in Boulder and brings value-added climate control solutions to the cannabis industry. Surna helps improve crop yield, optimize energy & water efficiency, and satisfy state and local codes, permitting and regulations.

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