

Callaway Gardens Resort Controls Humidity with High-Efficiency Ventilation System



“The Pinnacles solved our problem by providing energy savings and guest satisfaction,” says Cliff Strickland, Callaway’s Assistant Mechanical Manager, Engineering Department.

■ FACTS

Customer:

Callaway Gardens
Pine Mountain, USA

Need:

High-Efficiency Ventilation System

Solution:

Renovation of the building’s HVAC system, including installation of two Pinnacle® ventilation units manufactured by SEMCO

"The Pinnacle from SEMCO has superior efficiency"

Callaway's 14,000-acre gardens, resort, and preserve offer guests a wealth of attractions including a butterfly centre, nature trails, bicycling, swimming, fishing, golf, fitness activities, and eight restaurants. Callaway, located southwest of Atlanta in Pine Mountain, also features a variety of accommodations such as cottages and villas.

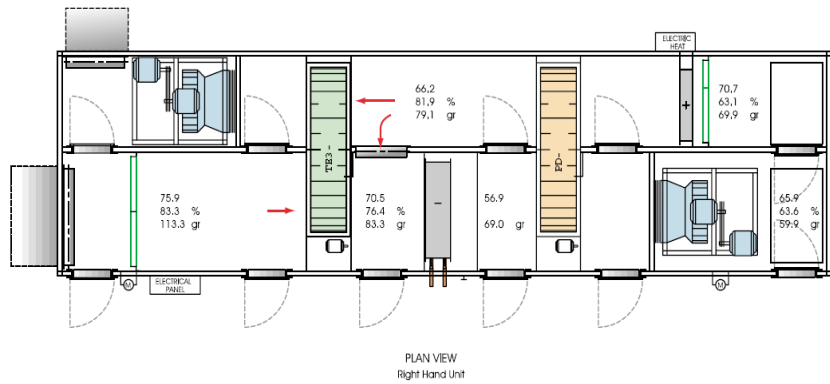
But the 349-room Callaway Inn, consisting of three mature buildings, had humidity control problems due to the environment. "In South Georgia, high humidity goes without saying," explains Ben Elkin, the engineer who was called in to fix the problem.

Renovation of the building's HVAC system included installation of two Pinnacle® ventilation units manufactured by SEMCO.

The Pinnacle units have kept the Callaway Inn rooms at a constant humidity set-point of 54% relative humidity, no matter what the conditions outdoors. Also, the system is twice as efficient as conventional alternatives, which translates to lower HVAC operating costs.

"The Pinnacles solved our problem by providing energy savings and guest satisfaction," says Cliff Strickland, Callaway's Assistant Mechanical Manager, Engineering Department.

Callaway heard about a successful project at Georgia's Berry College, where Ben Elkin had installed several of SEMCO's new Pinnacle units. Elkin, Physical Plant Director at the college, recommended Pinnacle ventilation systems to Callaway.



"They just wanted dehumidification, and the Pinnacle has superior efficiency. The supply air from outdoors becomes the exact temperature as the exhaust air, which is unique", says Elkin.

As soon as the Pinnacle units were installed in two of the three wings, Callaway's guests noticed the difference. They began requesting rooms in the two buildings with the new ventilation systems, rather than the wing that previously had been less damp.

"Our customer reaction since then has been no calls, which means no complaints. Guest satisfaction has been a goal from the start", says Callaway Gardens' Cliff Strickland.

In addition, the ventilation system immediately reduced the cooling load on the electric chillers, allowing them to shut off periodically, which reduced utility demand and energy charges.

"We calculate that we saved \$15,000 to \$19,000 per year from chiller operating cost reductions.", says Strickland.

SEMCO

SEMCO is a unique indoor environment products manufacturer serving the key disciplines of air distribution, noise abatement, temperature, and humidity control in the commercial and industrial building markets. SEMCO was acquired by Fläkt Woods in 2007.

Fläkt Woods Group

Fläkt Woods is a global company providing solutions for ventilation and air treatment for buildings as well as fan solutions for Industry and Infrastructure applications.

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