ITAL COLVEN

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Natural cool comfort for RVs and mobile homes

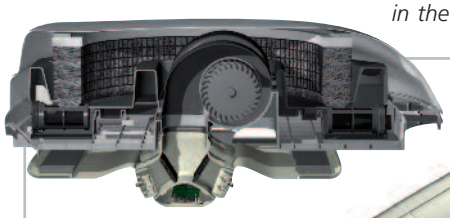
Ital Colven's range of evaporative air coolers is also of interest to the original-equipment sector, where its Viesa Holiday III model is already used by several major Italian camper manufacturers. For recreational-vehicle and mobile-home makers worldwide, the company offers 2 product ranges that are ideally suited for the OEM: the Viesa Holiday III evaporative air cooler for campers and caravans, to fit in porthole-window openings, and the Viesa Internal II vertically mounted evaporative air cooler, perfect for mobile homes

Viesa Holiday III is an Italian-made cooler that uses water evaporation to create a natural and immediate sense of comfort and wellbeing. Essentially, it encourages the evaporation of moisture from the skin, thus removing excess heat from the body. This approach differs from that of conventional coolers, which cool the surrounding air and reduce the temperature in the entire space. Excellent product quality, allied to smart sales and marketing strategies, has sparked a real commercial success story Europewide. The Viesa Holiday project was initially driven by Colven, the Argentine multinational with 27 manufacturing bases across the globe. In 2010, the group asked Italy to develop and produce this, the third generation of the Holiday product. That is how Ital Colven came into being. The firm's base is a 1500-m2 factory just outside Florence; half of the space is dedicated to production, while the rest is split between warehousing and offices. *"What underlay this decision"*, explains Alejandro Jacquet, Ital Colven general manager, *"was the need to optimize the experience accrued over the years in the Italian and European market while bringing external players into the development process. In an increasingly demanding market, it is vital to use high-quality suppliers that can become real partners in the project. Italy is certainly not competitive on cost; we have always prided ourselves on quality, innovation and expertise – not cheapness. Italy has many small and medium-sized companies staffed by highly experienced professionals. Materials can be bought anywhere, but ideas and know-how cannot. Indeed, our success is founded on a remarkable partnership with our suppliers, installers and customers"*.

Today, Holiday III is known and appreciated by camping and caravanning enthusiasts all around the world for its exclusive features that set it apart from any other cooler on the market. Italy's experience with supplying original equipment to several leading camper manufacturers has been very positive. Indeed, Ital Colven has directly trained the dealers to operate as service centers for the Viesa product. For example, an Italian manufacturer has used Holiday III in its standard production as both an original-equipment and an aftermarket product. In the aftermarket scenario, the manufacturer places the order, and Ital Colven then ships directly to the dealer responsible for installing it. The camper or caravan manufacturer therefore needs no warehouse space, as Ital Colven takes care of the supply logistics itself.

The spare parts are handled in the same way, too.

"Holiday III offers numerous benefits. First of all, it works on a natural principle," continues Alejandro Jacquet. "Electricity consumption is minimal compared to a classic cooler (60 Watt as against over 1000 for an ordinary cooler), so it can be used liberally both on the move and when the vehicle is parked. In addition, doors and windows can be left open when the system is in use, which is a real boon for lovers of open-air travel. And at many campsites, the lack of adequate power supplies can put conventional coolers off limits".



Viesa Holiday III

Consumption of current (12 Volt):	Min – 1.3 Ah – 15.6 Watt / hour Max – 5.8 Ah – 69.6 Watt / hour
Water consumption:	0.5–1.5 liters / hour
Weight:	19 kg
Size:	Height: 21 cm Length: 83 cm Width: 75 cm
Airflow:	Max 19 cubic meters / minute

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Viesa Internal II – a perfect solution for mobile homes

Viesa Internal II is a compact evaporative air cooler encased in a vertical shell suitable for various applications (boating, working vehicles, etc.) and ideal for use in mobile homes. It can be fitted on an internal wall and is connected to the outside through two 100-mm-diameter holes, one acting as an air inlet. The Internal II works by lowering the perceived temperature, i.e. the heat that your body feels. It is all down to evaporation, encouraged by a ventilation system with 8 power settings and a control unit with digital display to manage all its functions. The filter is kept dry automatically, to prevent the water from becoming stagnant. The system has short-circuit protection and its own motor. *"The main benefit of our technology is that it fosters natural, healthy wellbeing. Our evaporative air coolers do not dry out the air; they purify it through a filter system and circulate it at just the right moisture level"*, says Alejandro Jacquet. *"Another particularly important benefit for mobile-home users is the much lower power consumption: up to 80% less than a normal cooler. Clearly, especially when mobile homes are hired out and the users leave the air conditioning on around the clock, the savings are incredible. What's more, the Internal II is very easy to maintain, because the system has no gas, no condensers, and no compressors. Any campsite maintenance operative can easily troubleshoot any issues without inconvenience to users. Each unit costs around 600 euros to the mobile-home manufacturer, and each space requires its own unit. That may seem a lot compared to the sale price of some traditional 'trial' units, but the purchase cost is offset in next to no time by the energy savings"*.

Internal II	
Consumption of current (12 Volt):	Min – 1.3 Ah - Max – 6.8 Ah
Consumption of current (24 Volt):	Min – 0.7 Ah - Max – 4 Ah
Water consumption:	0.5–1.5 liters / hour
Size:	Height: 50 cm Depth: 25 cm Width: 53 cm
Airflow:	Max 19 cubic meters / minute

Company Profile

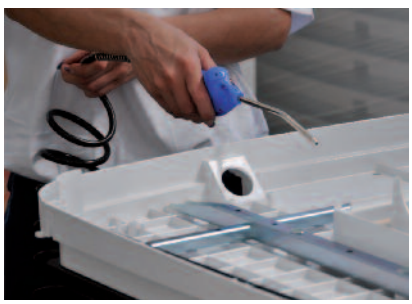
Ital Colven, a branch of the Argentine group Colven, was set up in 2011 in Italy to produce coolers in the Viesa Holiday, Viesa Kompressor and My Viesa ranges. It is ISO 9001–certified. Colven was founded in 1972 in Argentina and is now a multinational business with 27 sites worldwide. The group brands include: the Vigia ranges of engine protectors and tire calibrators; the Viesa lines of eco-friendly evaporation coolers and compressor air conditioners; and Vitran tire-control systems. Products built by Colven and its branches are used in all sectors of the automotive industry, from recreational, commercial and industrial vehicles to agricultural machinery, earth-moving equipment, motor cars, motorcycles, motorboats and off-roaders.

Viesa evaporative air coolers

Viesa coolers work by evaporation: they cool the air through water evaporation. They generate a flow of cool air that lowers the ambient and perceived temperatures, stabilizes humidity levels, and fosters natural wellbeing.

Evaporative technology is:

- natural, because it exploits the same principle used by the human body to achieve comfort
- healthy, because it neither creates cold draughts nor dries out the air (it maintains some humidity)
- economical, because it consumes up to 80% less than a traditional system
- environmentally friendly, because it uses no gas, no oils, and no other chemical agents.

Evaporative air coolers work by lowering the perceived temperature, i.e. the heat that your body feels. The cooling process starts with the evaporation of water from the filter surfaces, thus lowering the temperature. The cooled air then enters the cabin at an optimal relative humidity of 40–60% and at very low density. Stabilizing the internal relative humidity is important, for when the air is too damp, it is harder – even impossible – for sweat to evaporate.

Similarly, feeding in humid air at low density (i.e. with tiny nebulized droplets 0.002 microns across) enables the moisture to be distributed over a larger surface, facilitating faster evaporation. Evaporation is further encouraged by the forced ventilation from the cooler.