

### Some benefits of MovinCOOL® Spot Cooling

- No unnecessary investment in air conditioning systems when you require only localized cooling for your employees, specific areas or production lines.
- MovinCOOL® Spot Cooling helps to prevent fatigue caused by excessive heat and humidity, thus improving the morale of your employees, leading to higher quality and productivity.
- Suitable as a backup for temperature critical zones. Cooling will be guaranteed should the existing air conditioning system fail. You simply roll the compact unit to the area that requires cooling.
- MovinCOOL® Spot Cooling will contribute to a reduction of machine downtime, not only because of cooling, but also thanks to dehumidification and airborne dust filtration.
- Our mobile units can dramatically reduce the process times of the most thermally sensitive processes.
- MovinCOOL® Spot Cooling will ensure a comfortable climate, even in the most unlikely situations - outdoors too!
- Thanks to their sturdy industrial design the units have an unprecedented long lifetime.



**MOVINCOOL®**  
SPOT COOLING POWERED BY **DENSO**



**MovinCOOL Spot Cooling**  
**Spot cooling: an effective and rapid solution**



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### **DENSO** the quality name behind MovinCOOL® Spot Cooling

MovinCOOL® Spot Cooling units are designed and manufactured by DENSO Corporation, cutting edge manufacturer of advanced technology systems and components for, among other sectors, the automobile industry. All major automobile producers in the world collaborate with DENSO. DENSO is active in 31 countries, employs 90,000 people and has a sales turnover of some € 18 billion per annum (2002).

DENSO is a world leader in automotive air conditioning systems; MovinCOOL® Spot Cooling was developed on the basis of this leading edge technology. Denso's head office, including it's European distribution centre, is located in the Netherlands (Weesp).

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While air conditioning is comfortable, it can also be expensive and in many instances not structurally feasible. Should you nevertheless require cooling in specific areas, such as server racks, manufacturing areas or at events, then MovinCOOL® can provide a simple, rapid and cost effective solution. With MovinCOOL® Spot Cooling you do not have to cool an entire area, because the cool air is directed specifically to the areas where you want it most. This makes Spot Cooling effective and extremely efficient. It provides a cost-effective and targeted temperature control solution for you, your employees, and your machines, products or processes.

MovinCOOL® Spot Cooling gives an immediate result. Within a few minutes temperatures can be reduced by up to 16°C. Flexible tubes distribute the cool air (11°C) under high pressure to the areas or processes that are too warm. These tubes may be as long as 30 metres without loss of performance.

Not only does MovinCOOL® cool the air, it's media filters reduce airborne dust and it's highly efficient refrigeration circuit is also a powerful dehumidifier. In short, it contributes towards a better working environment not only for people but also machines. Your investment in MovinCOOL® Spot Cooling will be quickly recovered.

### MovinCool: robust, reliable and essentially maintenance free

Spot Cooling is a cooling method developed by DENSO that has proven itself through unrivalled performance in a variety of environments for the past thirty years. The original intention was to create better working conditions for Denso's own plant employees and at the same time make savings in the area of energy and manufacturing costs. Since then the units have been applied mainly in Japan and the United States. MovinCOOL® Spot Cooling is now available on a large scale in Europe.

The mobile Spot Cooling units have been designed to provide quality, ease of use and durability. Many thousands of units throughout the entire world have been working continuously and reliably for many years. Apart from cleaning the filters and emptying the condensate drantanks, the units are entirely maintenance free, operating automatically and requiring only power. You can select from a comprehensive range of accessories to easily adapt the units to suit virtually any situation.



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# Applications

You will encounter our units in many situations. They are employed not only instead of or to enhance air conditioning, but also as back-up systems in operationally critical areas. For events too, the compact Spot Cooling units are in many instances preferable to and much more convenient than traditional cooling systems. The ease with which they can be operated and moved from place to place is in many situations a considerable advantage. Some examples of the many ways in which MovinCOOL® units have been used are set out below.

## Electronics



High temperatures can cause servers and other electronic equipment to fail, often resulting in substantial damage. The trend towards smaller and more compact equipment will probably result in even more frequent failure of networks when there is inadequate cooling. Existing cooling systems often fail to provide the appropriate response to increasing heat concentration in these new generations of hardware. It is in these cases that MovinCOOL® Spot Cooling distinguishes itself as an alternative, additional or backup system.

## Indoor and outdoor events



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## Industry



Research shows that productivity decreases as temperature and humidity increase. Machines breaking down due to overheating represent loss of production. People's productivity and effectiveness also declines with rising temperatures. For this reason MovinCOOL® Spot Cooling can, in many industrial processes, contribute to a significant increase of productivity, volume and quality. Our units protect your employees, processes and machinery from the damage that high temperatures can cause. They can, thanks to rapid and effective cooling, accelerate specific production processes significantly.

M o v i n C O O L ® S p o t C o o l i n g S a v e s t i m e , m o n e y a n d e f f o r t