

The typical values are:

Area	Normal output	Max. output
Store room	60-100 W/m <sup>2</sup>	200 W/m <sup>2</sup>
Shop	60-100 W/m <sup>2</sup>	200 W/m <sup>2</sup>
Workshop	80-100 W/m <sup>2</sup>	200 W/m <sup>2</sup>
Sports hall	50-80 W/m <sup>2</sup>	
Conference room	80-120 W/m <sup>2</sup>	

Depending on the requirements of the installation the above heating elements can be used individually or as a combination as long as the total output corresponds to the actual heat requirement and the properties of the individual heating element.

To control the temperature in large rooms/halls it can often be an advantage to divide the heating system into a number of zones with separate temperature regulations. If possible the division should be limited according to the natural sectioning of the room.

#### Example 1

In a 1400 m<sup>2</sup> sports hall with a floor to ceiling height of 8 m, a total output of 98 kW is installed. 70 kW is used for the deviflex™ electrical heating cables in the floor (50 W/m<sup>2</sup> floor area) and 28 kW is used for the HeatLine™ electrical heating cassettes under the ceiling.

#### Example 2

In January, a heating system has not yet been installed in a newly built storage hall. To provide the workmen with satisfactory working conditions devitemp™ fan heaters are used to ensure a comfortable working temperature during the day.

The hall is 700 m<sup>3</sup>/3500 m<sup>2</sup> respectively and the heat loss is approx. 40 W/m<sup>2</sup>. The night temperature is approx. -10°C.

By placing 3 devitemp™ 121T (21 kW), it is possible to raise the temperature from -10° to +15°C in less than two hours. The workmen can set the timer at the end of the day so the fan heaters will start 1-2 hours before they arrive the next day.