

Applications

The MB-Klimasystem (Climate system) is a system for air conditioning through the ceiling in general commercial and residential buildings.

Cooling technology

MB system pipes are installed under the ceiling and produce an effective cooling. The system mass of the MB-Klimasystem (Climate system) is between 5 and 15 kg/m², however the density of the MB system pipes installation depends on the required cooling load.

This system can yield high cooling capacities. With the MB-Klimasystem (Climate system), the flow temperature is controlled by a dew-point controller, which can lower the indoor temperature 8 – 9 °C in relation to the outdoor temperature. Combining ceiling and underfloor cooling makes it even more effective and increases the capacity.

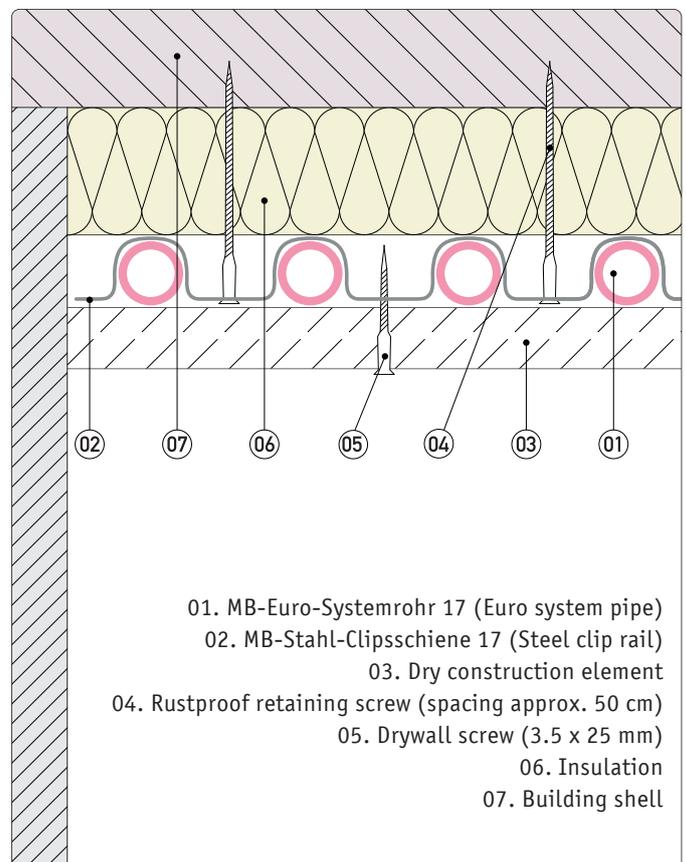
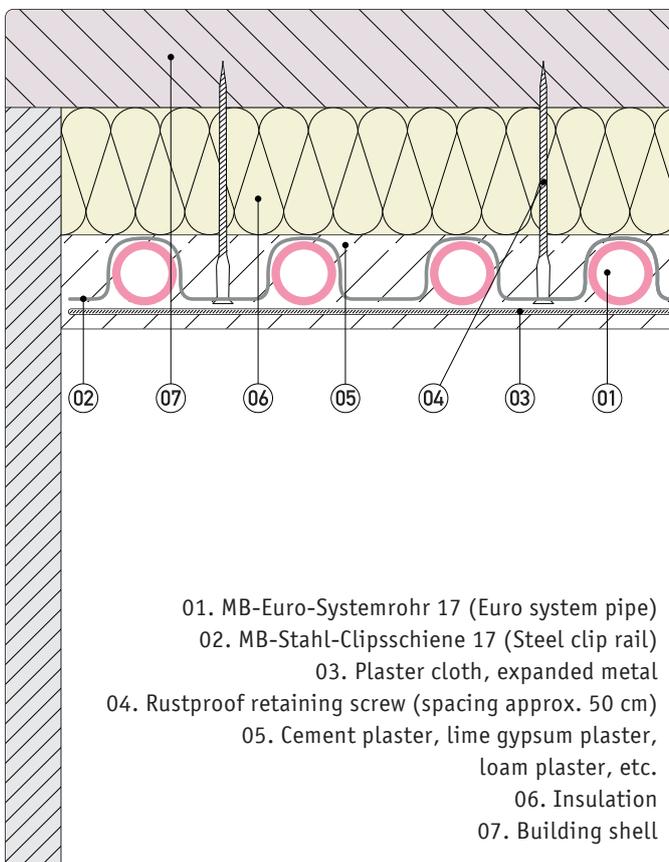
In addition to offices, counter areas, shops, etc., this can even cool rooms where kicking up dust must typically be avoided, e.g. server closets and clean rooms, research laboratories, operating theatres and manufacturing facilities with computerised machine tools. Boutique hotels wishing to offer guests absolutely silent cooling without drafts is an ideal application.

Cooling in general

When planning the ceiling construction, the relevant laws, regulations, directives and standards must be observed. The MB system pipes are installed warm and therefore strainless and twist-free in the MB-Stahl-Clipsschiene (Steel clip rail).

System installation

The climate system is computed and planned by engineers or cooling unit manufacturers. Then follow the MULTIBETON installation and technical guidelines. The MB-Klimasystem (Climate system) must further be planned and installed in compliance with laws, regulations, directives and standards. Additional instructions of manufacturers for other trades and the recognised rules of technology and proper trade workmanship must be observed.



The illustration and design are non-binding and only exemplary.

