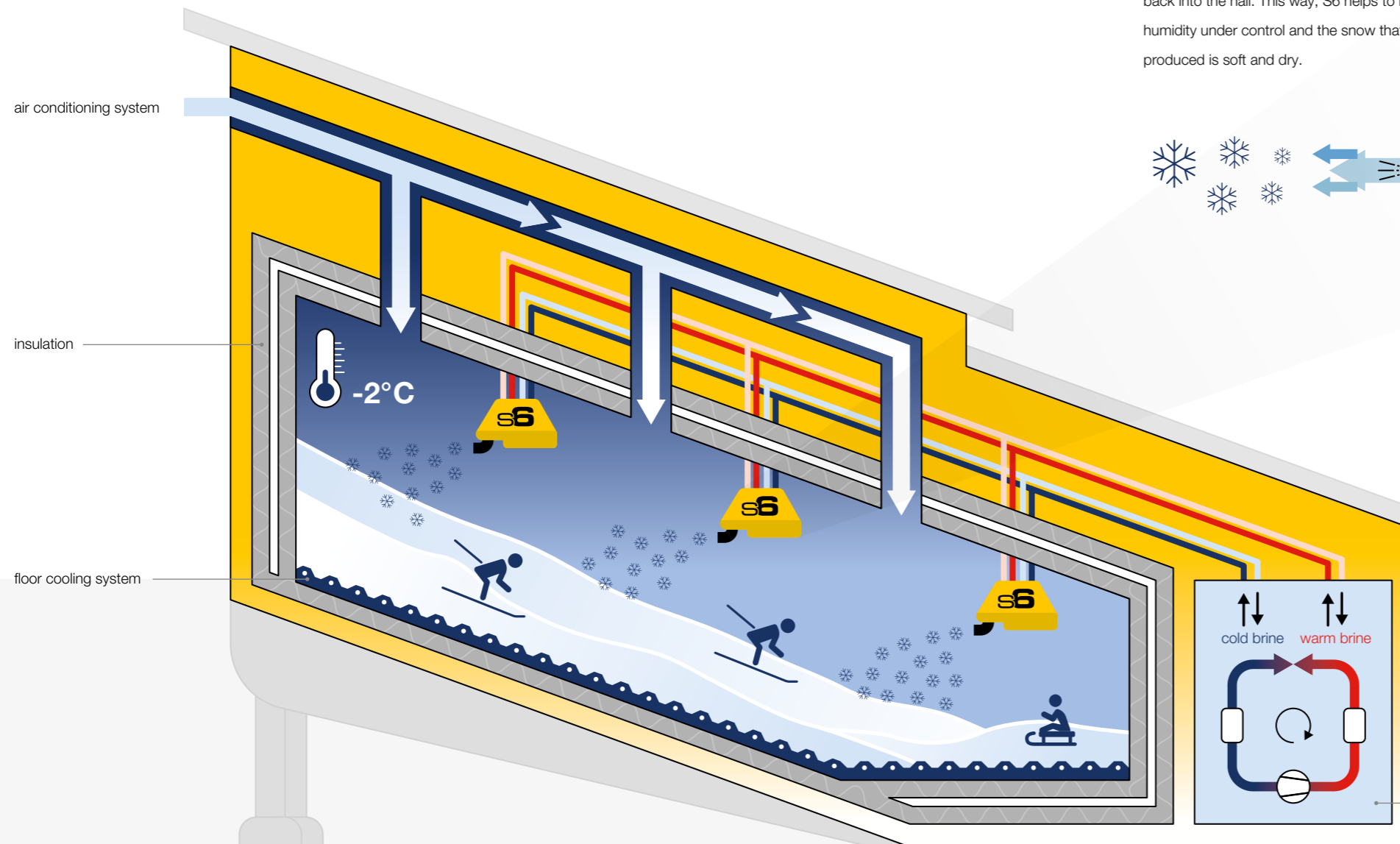
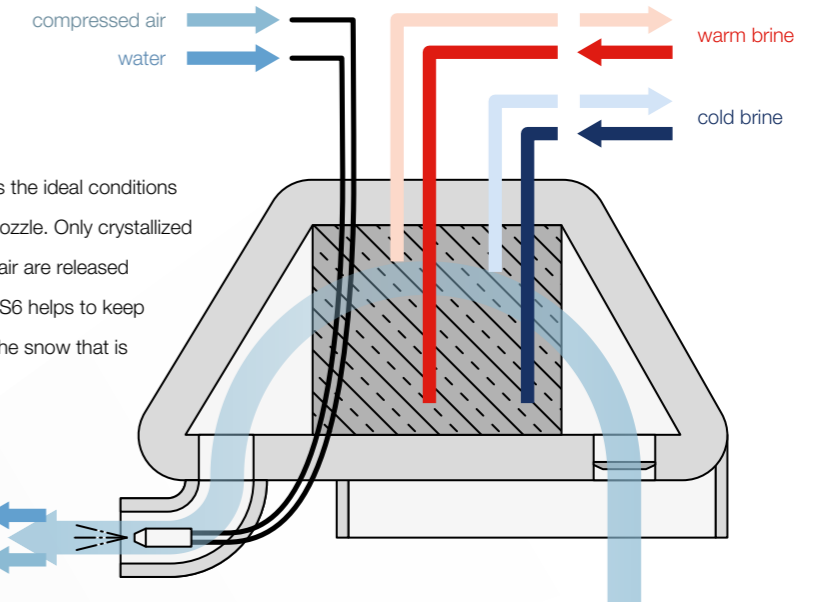


# S6 for Snowdomes: The Snowmaking Process

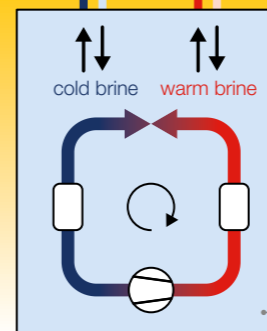


**3** The **cold air stream** creates the ideal conditions around the patented snow nozzle. Only crystallized snow particles and dry cold air are released back into the hall. This way, S6 helps to keep humidity under control and the snow that is produced is soft and dry.



**2 Heat exchanger:** The cold brine in the heat exchanger cools the air down to up to -20°C. The heat exchanger is regularly defrosted by the warm brine to prevent it from icing up.

**1 Air intake:** the air is taken in and streams through the heat exchanger, guided by the aerodynamic structure of the walls inside the housing. A snow deflector grid prevents snow mist from being taken in.



All S6 units are connected to a dedicated refrigeration cycle provided by the snowdome. That way, all S6 units can work independently from the air conditioning system. Cold is transported to the units, heat is dissipated.

plant room, refrigeration cycle

schematic illustration of snowdome