

Rittal – Case Study



VIP 6000: Cold shocks on prescription



Everyone knows cold therapeutic applications: Whether as cooling pack for the treatment of inflammations, to alleviate pain or as cold compresses

in case of fever. Studies have proved that cryotherapy supports the treatment of rheumatic diseases. That's why the Immanuel hospital for rheumatic diseases in Berlin-Wannsee successfully applies the whole body cryotherapy.

The patient normally stays 3 minutes in the cold chamber. At first the air temperature is $-10\text{ }^{\circ}\text{C}$ and is then reduced in three phases up to $-110\text{ }^{\circ}\text{C}$. During this procedure, the patient is observed via video and is able to communicate with the physicians. Music keeps the patient moving and prevents "freezing". Besides medical know-how a lot of technical knowledge is required. The cold chamber is a hightech product of **Zimmer**

Medizin Systeme based in Ulm. The cold cascade for temperatures up to $-110\text{ }^{\circ}\text{C}$ is produced by **L&R Kältetechnik GmbH & Co. KG** in Sundern. Rittal supplies the Command Panel VIP 6000 in accordance with the technical and aesthetic requirements of the customer. The monitoring and control system with temperature control, music unit, video room supervision as well as intercom system, and touchpad are accommodated in the Rittal system. Stefan Fischer of L&R Kältetechnik comments: "Rittal convinced us with competence, world-wide service and an excellent design."

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