

Power supply and cooling system for a floating structure**Abstract**

The present invention relates to a power supply and cooling system (1) for a floating structure comprising a tank (2), comprising: a supply circuit (3) comprising at least one compression device (10), the supply circuit (3) being configured to supply gas to a gas-consuming device (5, 6), a cooling circuit (4) comprising a heat exchanger (17) configured to participate in managing the internal pressure of the tank (2), the cooling circuit (4) being connected to the supply circuit (3) on either side of the compression device (10), characterised in that the compression device (10) comprises two compression stages (30, 31), the power supply and cooling system (1) comprising a control device (9) configured to connect the compression stages (30, 31) in series or in parallel.

Fig. 1