

COOLING CIRCUIT FOR A SYSTEM FOR SUPPLYING AND COOLING A GAS

Abstract

The present invention relates to a cooling circuit for a system for supplying and cooling a gas in a floating structure comprising a tank, the cooling circuit having a coolant flowing through it and comprising a main loop that comprises: - a compression device; - a heat exchanger; - an internal heat exchanger; and - a turbocompressor, characterized in that the cooling circuit comprises a regulating branch connected to the main loop, the regulating branch comprising a valve that is configured to control the flow of coolant within the regulating branch, the main loop comprising a pressure sensor, the valve controlling the amount of coolant present in the main loop according to the pressure measured by the pressure sensor.

Fig. 1