

SYSTEM FOR LOADING LIQUID NATURAL GAS

Abstract

The present invention primarily relates to a loading system (1) configured to transfer a cryogenic fluid (3) from a storage vessel (2) into a receiving vessel (4), the loading system (1) comprising at least one element (17) for circulating the cryogenic fluid (3) in the liquid state which connects the storage vessel (2) to the receiving vessel (4), a processing and/or consumption unit (26) of the cryogenic fluid (3) in the gaseous state originating at least from the receiving vessel (4) and a return line (28) of the cryogenic fluid in the gaseous state which connects the receiving vessel (4) with the processing and/or consumption unit (26), characterised in that the loading system (1) comprises at least one cooling unit (36) of the cryogenic fluid (3) circulating towards the receiving vessel (4) in the circulation element (17), the cold generated by the cooling unit (36) resulting from an evaporation of the cryogenic fluid (3) coming from the storage vessel (2).

Fig. 1