

Title (en)

METHOD AND ARRANGEMENT FOR DETERMINING THE CAPACITY OF A HEAT EXCHANGER

Title (de)

VERFAHREN UND EINRICHTUNG ZUR ERMITTLUNG DER LEISTUNGSFÄHIGKEIT EINES WÄRMETAUSCHERS

Title (fr)

PROCEDE ET DISPOSITIF SERVANT A DETERMINER LE RENDEMENT D'UN ECHANGEUR DE CHALEUR

Publication

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Application

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Abstract (en)

[origin: WO2005106375A1] The invention relates to a method and arrangement for determining the capacity of a heat exchanger. The effective heat transfer coefficient for the heat exchanger is calculated from the measured inlet and outlet temperatures of the product and the measured inlet and outlet temperatures of the auxiliary medium. By means of said value, the outlet temperature of the product set for maximum flow of the auxiliary medium is determined as that at which the change in the heat content of the product is at least approximately the same as the change in the heat content of the auxiliary medium and the amount of heat transmitted by the heat exchanger for said product flow. Said value is displayed to the user and permits a decision as to how much longer the heat exchanger can reliably be operated.

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