

Abstract

A heat recovery system arranged to heat water includes at least one heat exchanger(9) arranged to heat water by heat exchange with waste heat. A storage reservoir (11) is arranged to store water heated by the heat exchanger(9). The heat exchanger(9) is switchable between a first mode of operation in which water is circulated by a pump (12) in a circuit that includes the storage reservoir (11) and the heat exchanger (9), and a second mode of operation in which water is circulated by the pump (12) in a circuit that by-passes the heat exchanger (9). Heated water of at least a desired minimum temperature can be supplied to at least one outlet during both the first and second modes of operation.

Fig 1

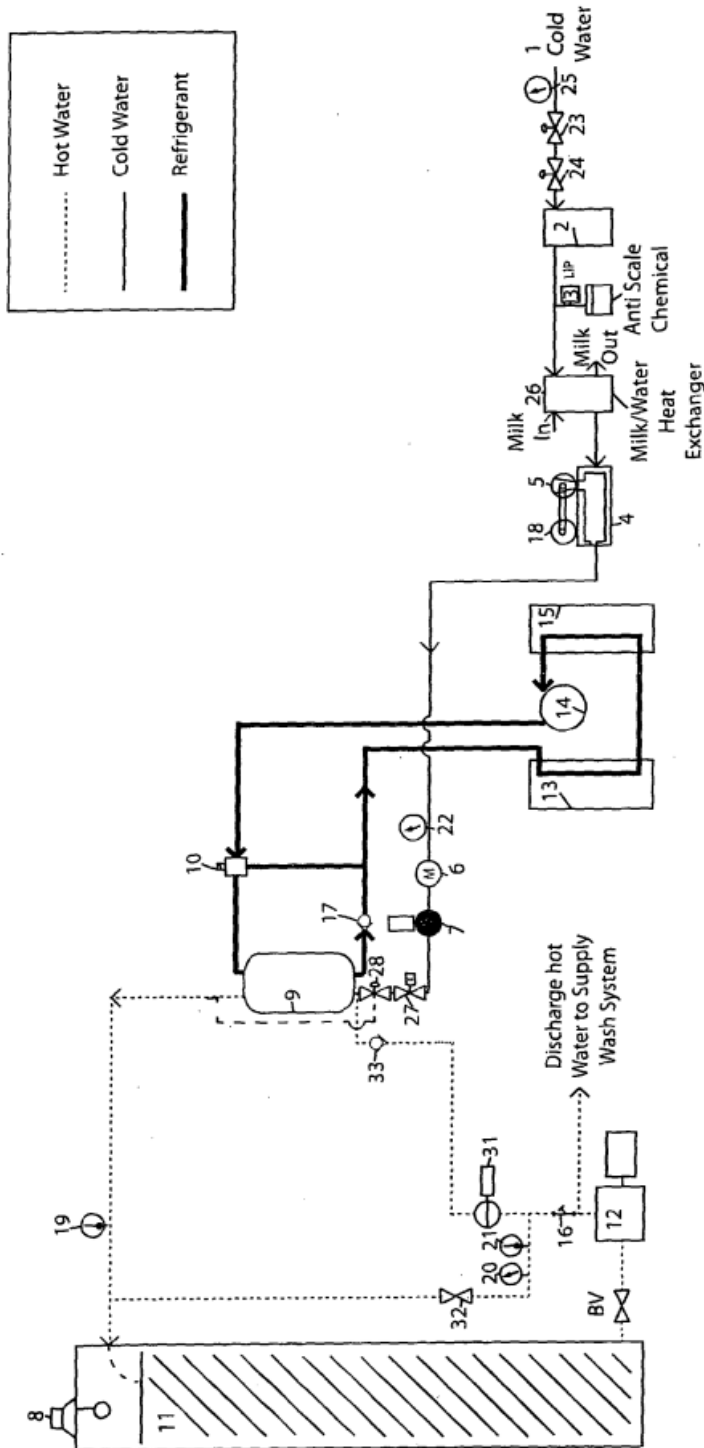


FIGURE 1

WASTE HEAT RECOVERY LTD
By their Agent

(Fiona Desouza)
of Khaitan & Co
Reg. No. IN/PA-1561

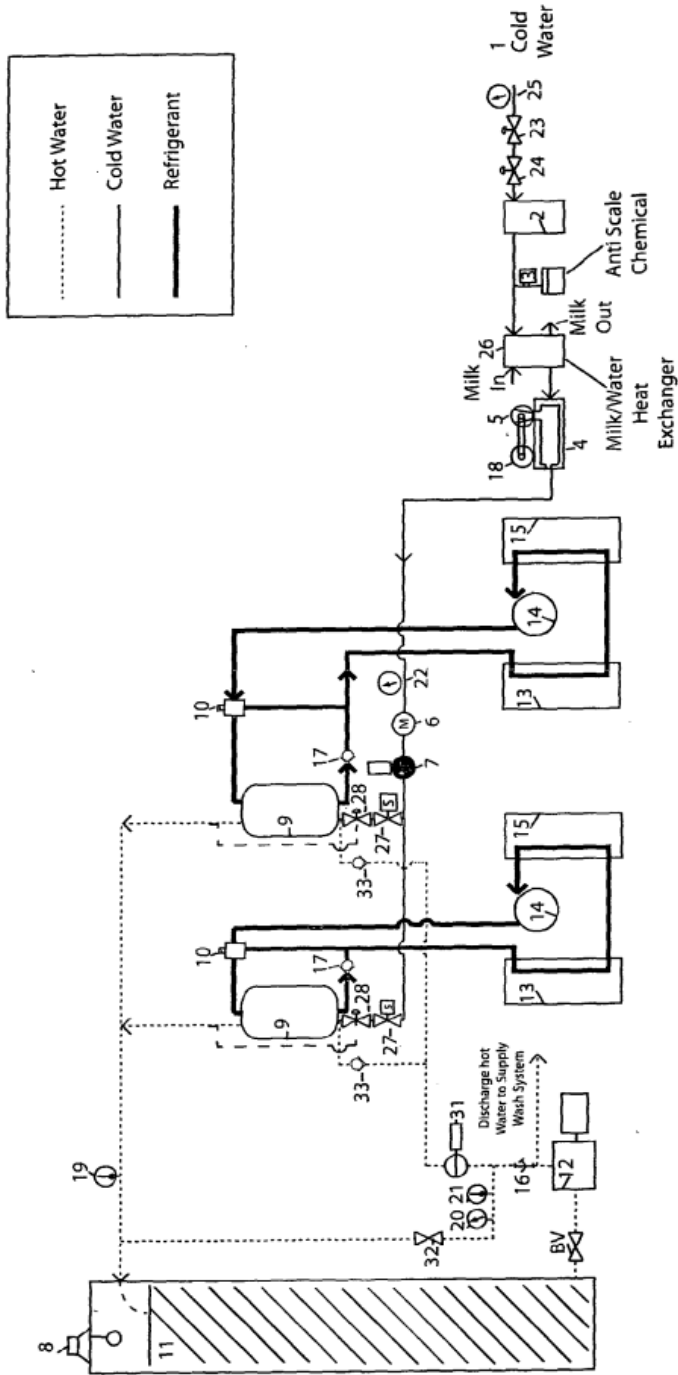


FIGURE 2

WASTE HEAT RECOVERY LTD
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Test 1: Flow Diagram Performance Test Circulating @ 10 US GPM (37.8 litres/min) Using Maneurop MT100 Compressor

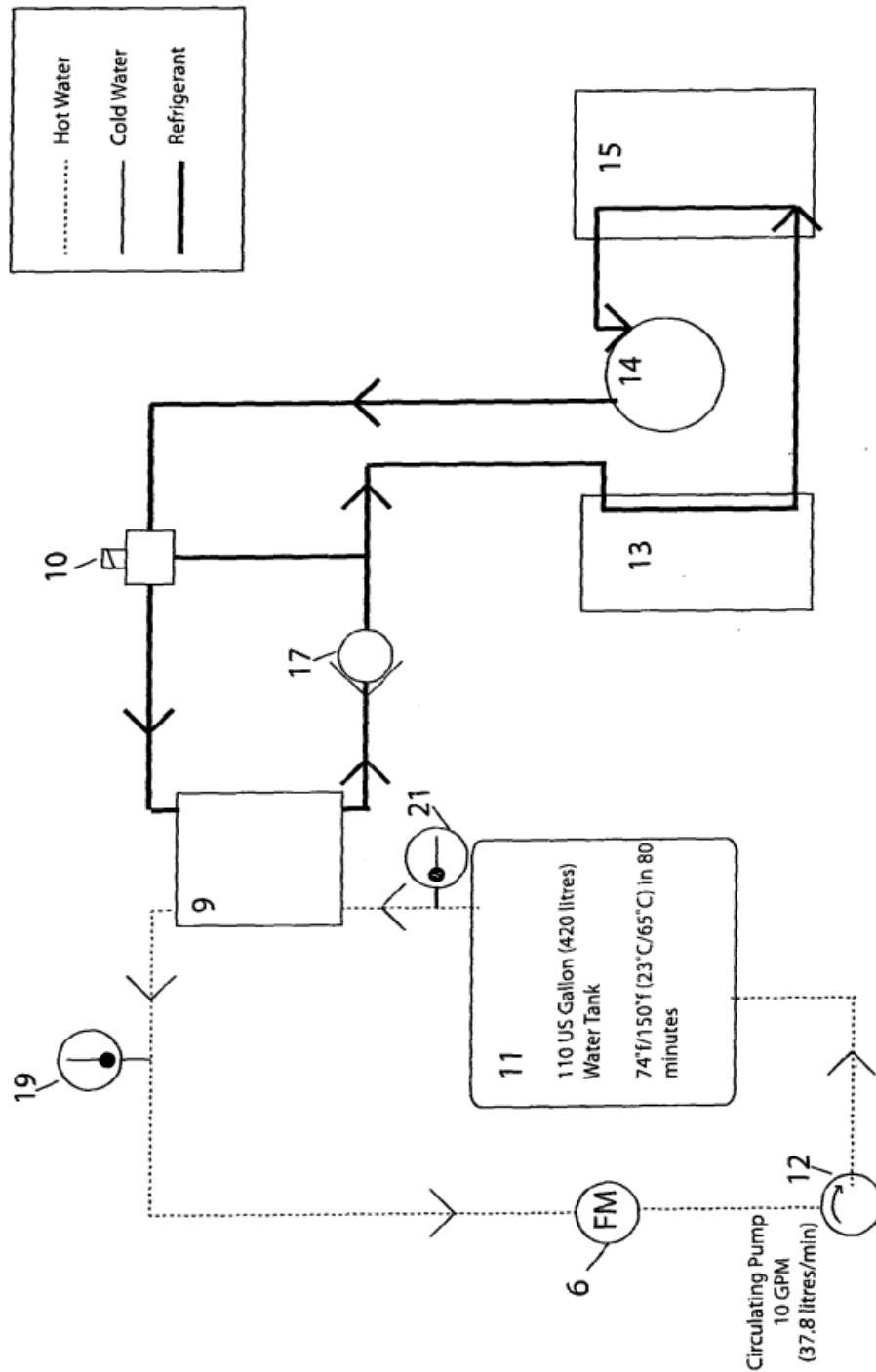


FIGURE 3

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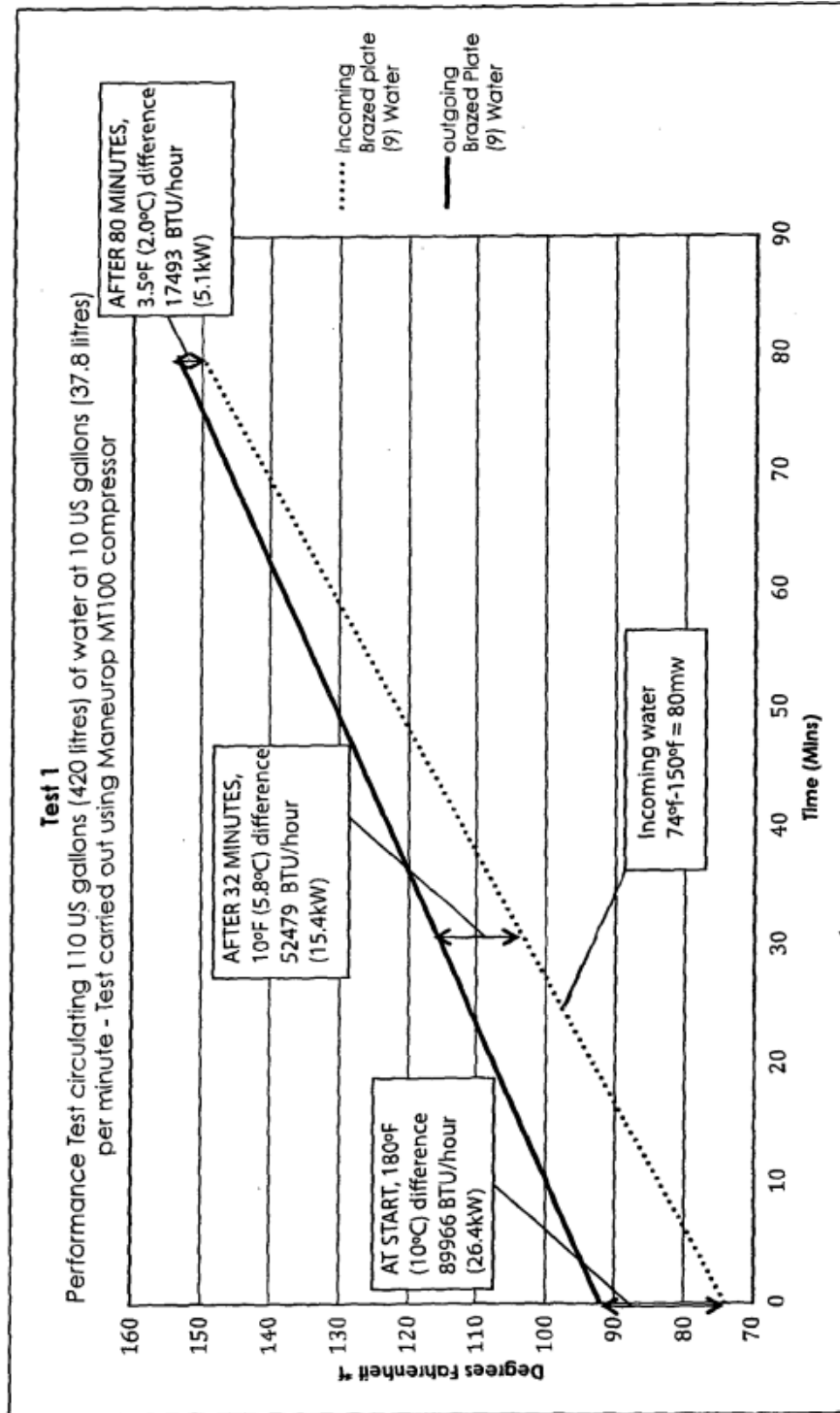


FIGURE 4

WASTE HEAT RECOVERY LTD
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Test 2: Flow Diagram Performance Test Single Pass @ 1 US GPM (3.8 litres/min) Exit Temperature 150°F (65°C)
Using MT100 Compressor

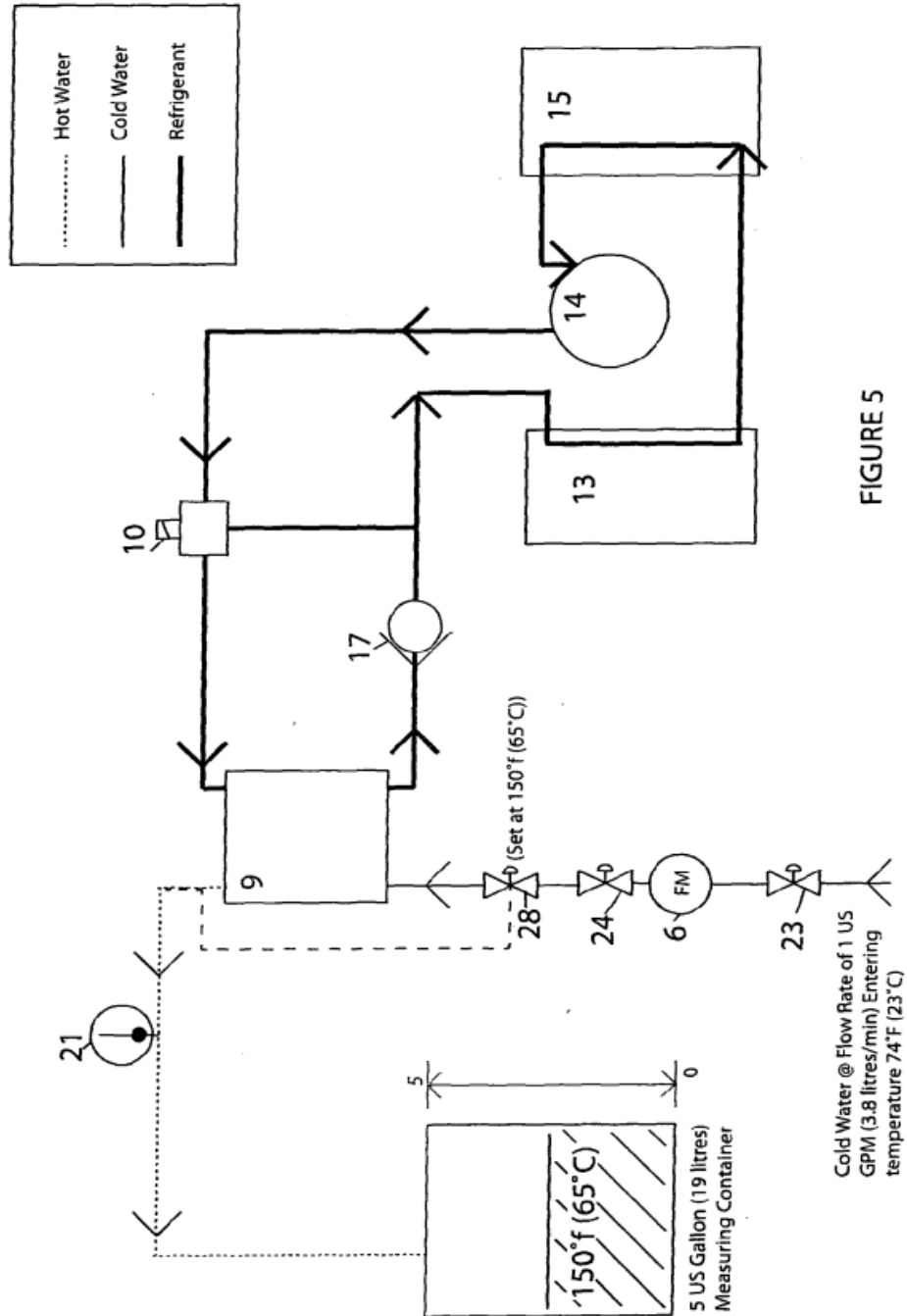


FIGURE 5

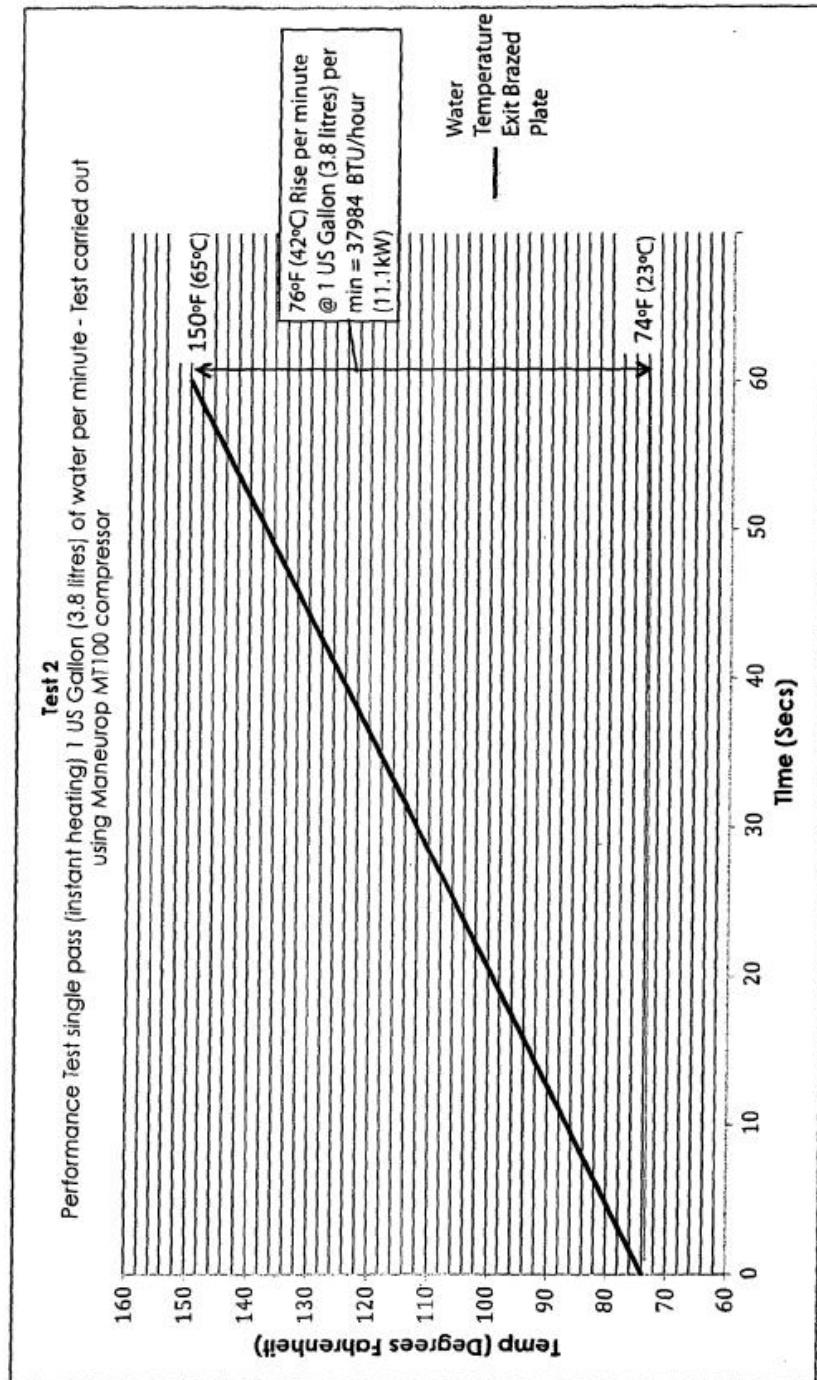
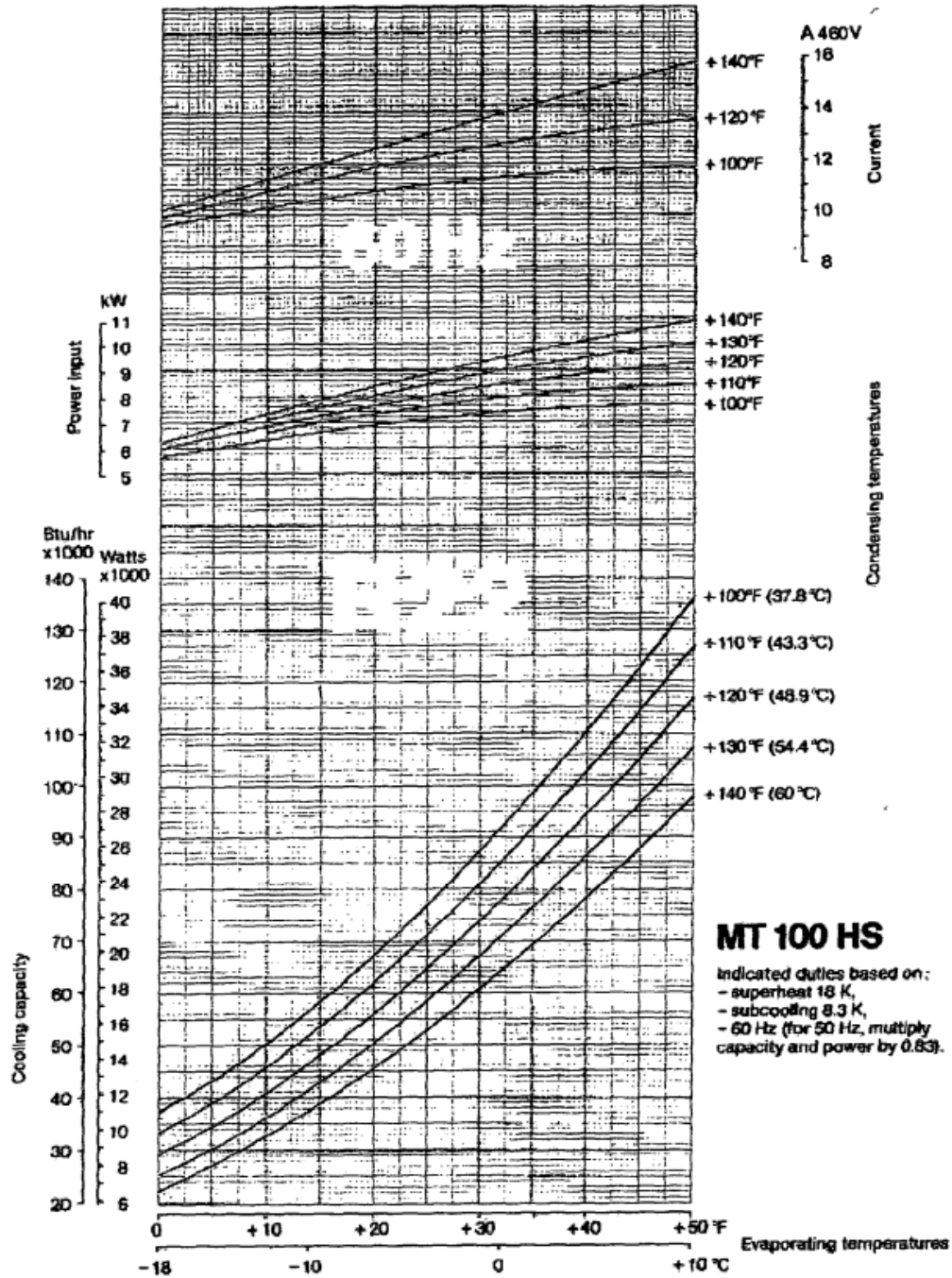


FIGURE 6

WASTE HEAT RECOVERY LTD
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Maneurop



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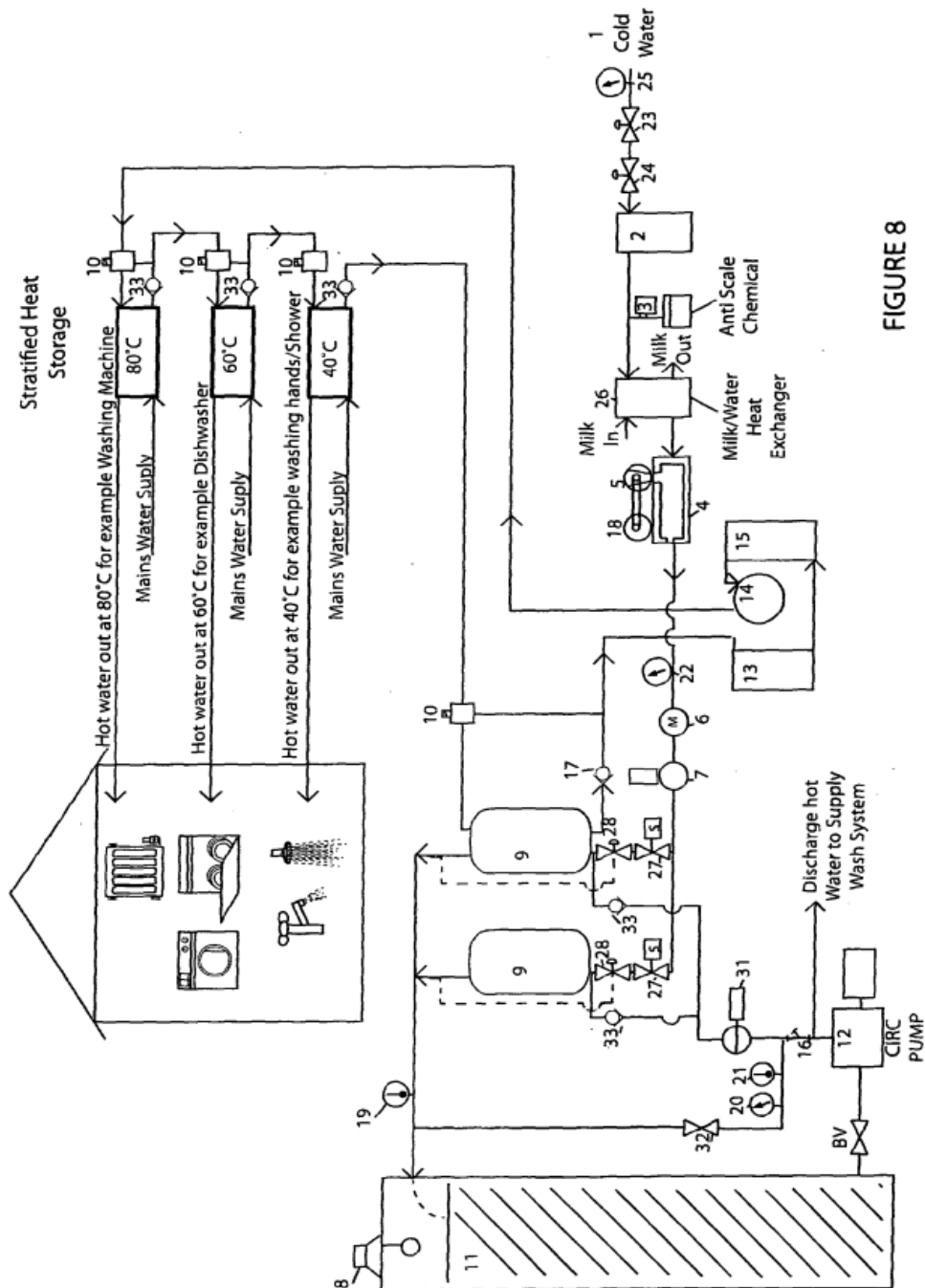


FIGURE 8

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