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NOMENCLATURE

A	surface area of the test tube, m ²
C_p	specific heat at constant pressure, J.kg ⁻¹ .K ⁻¹
C_{min}	minimum heat capacity, W.K ⁻¹
C_{max}	maximum heat capacity, W.K ⁻¹
H	heights of corrugations, mm
W	width of corrugations, mm
\dot{m}	mass flow rate, kg.s ⁻¹
Q	heat transfer rate, W
E	Exergy loss, W
T	water temperature, K
s	specific entropy, j.kg ⁻¹ .K ⁻¹

Subscripts

ave	average
c	cold
h	hot
in	inlet
w	water
e	environment condition