















$M$	Molar mass [ $\text{kg}\cdot\text{mol}^{-1}$ ]
$p$	Pressure [Pa]
$Q$	Heat transfer rate [W]
$R$	Perfect gas constant [ $\text{J}\cdot\text{kg}^{-1}\text{K}^{-1}$ ]
$r$	Latent vaporization heat [ $\text{J}\cdot\text{kg}^{-1}$ ]
$S$	Entropy rate [ $\text{W}\cdot\text{K}^{-1}$ ]
$s$	Specific entropy [ $\text{J}\cdot\text{kg}^{-1}\text{K}^{-1}$ ]
$T$	Temperature [K]
$t$	Temperature parameter
$v$	Specific volume [ $\text{m}^3\cdot\text{kg}^{-1}$ ]
$W$	Mechanical power [W]
$X$	Lithium Bromide concentration
$x$	Vapour quality

### Greek symbols

$\beta$	Volumetric expansion coefficient
$\varepsilon$	Heat exchanger efficiency
$\phi$	Heat conductance parameter
$\Theta$	Entropy parameter of the fluid

### Subscript

$A$	absorber
$C$	condenser
$E$	evaporator
$F$	fluid
$G$	generator
$H$	high
$H_2O$	water
$i$	inlet
$L$	low
$l$	liquid
$LiBr$	lithium bromide
$M$	intermediate
$min$	minimum
$o$	outlet
$p$	pump
$\theta$	related to $\Theta$ parameter
$R$	refrigerant
$S$	solution
$t$	related to $k$ parameter