

7. Nomenclature

A	Area of heat transfer (m^2)
h	Heat transfer coefficient ($Wm^{-2} K^{-1}$)
p	tube pitch (m)
K	Thermal conductivity ($Wm^{-1} K^{-1}$)
Q	Heat transferred (W)
U	Overall heat transfer coefficient ($Wm^{-2} K^{-1}$)
Re	Reynolds number
Nu	Nusselt number
Pr	Prandtl number
L	Length of the pipe (m)
v	Velocity ($m s^{-1}$)
r	Inner radius of the tube (m)
d_1	Diameter of inner tube, mm
d_2	Diameter of middle tube or thickness tube, mm
d_3	Diameter of outer tube, mm
D	Coil diameter, mm
De	Dean Number
f	Friction factor
H	Pitch of coil, mm
k	Thermal conductivity, W/m-K

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