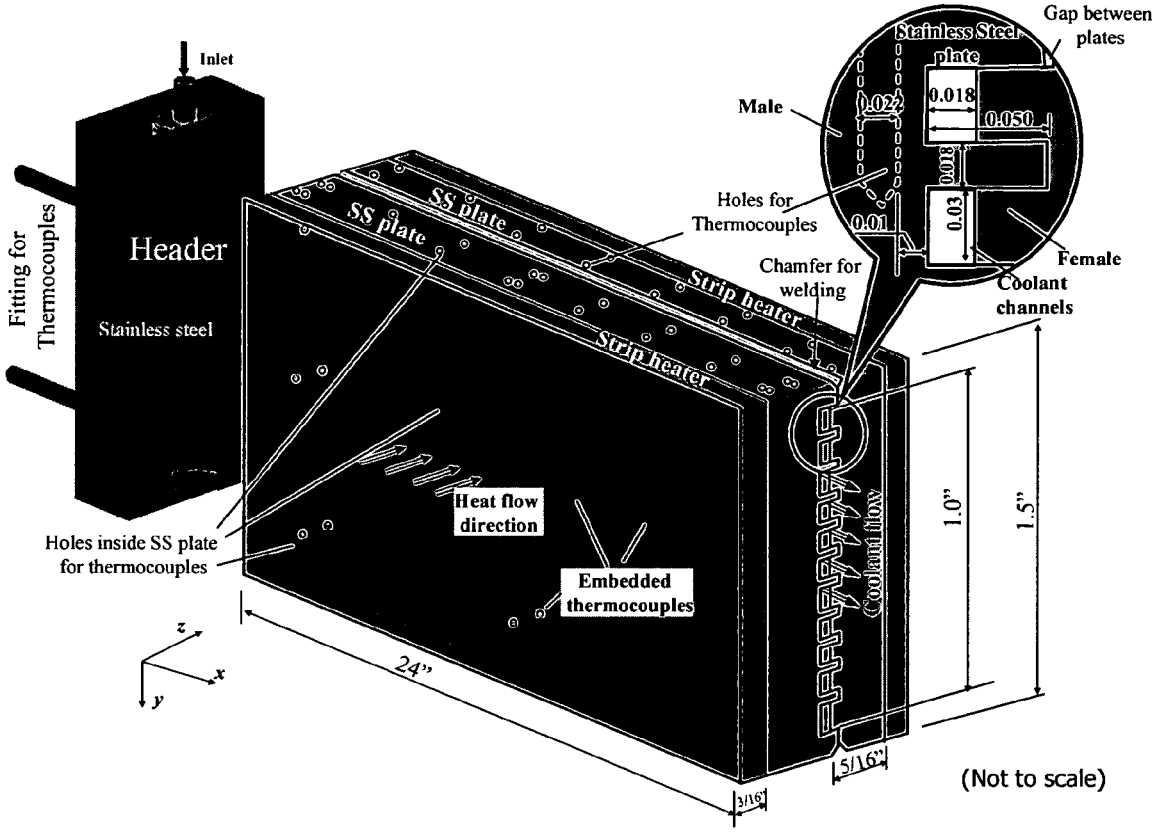
Inlet
Header
Stainless steel
Fitting for Thermocouples
SS plate
SS plate
Strip heater
Strip heater
Holes for Thermocouples
Chamfer for welding
Stainless Steel plate
Gap between plates
Male
Female
Coolant channels
0.018
0.050
0.022
0.018
0.01
0.03
Heat flow direction
Embedded thermocouples
Holes inside SS plate for thermocouples
Coolant flow
1.0"
1.5"
24"
5/16"
3/16"
z
x
y
(Not to scale)

Fig. 9