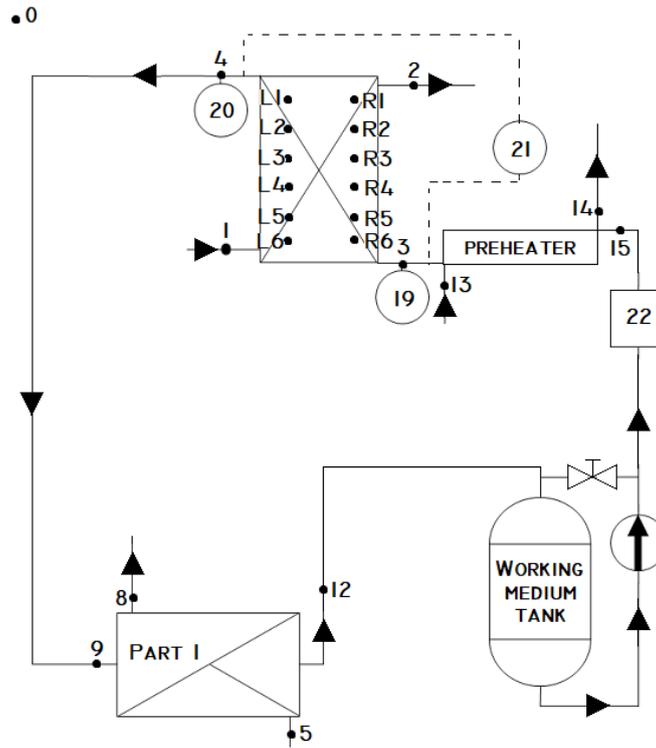


THE TEST RIG OF THE EXPERIMENT



THE PARAMETERS MEASURED DURING EXPERIMENT

Point	Column name [Unit]	Description
0	T_Ambient [°C]	Ambient temperature
L1	Section_L_1 [°C]	Wall temperature (Left 1) of the evaporator
L2	Section_L_2 [°C]	Wall temperature (Left 2) of the evaporator
L3	Section_L_3 [°C]	Wall temperature (Left 3) of the evaporator
L4	Section_L_4 [°C]	Wall temperature (Left 4) of the evaporator
L5	Section_L_5 [°C]	Wall temperature (Left 5) of the evaporator
L6	Section_L_6 [°C]	Wall temperature (Left 6) of the evaporator
R1	Section_R_1 [°C]	Wall temperature (Right 1) of the evaporator
R2	Section_R_2 [°C]	Wall temperature (Right 2) of the evaporator
R3	Section_R_3 [°C]	Wall temperature (Right 3) of the evaporator
R4	Section_R_4 [°C]	Wall temperature (Right 4) of the evaporator
R5	Section_R_5 [°C]	Wall temperature (Right 5) of the evaporator
R6	Section_R_6 [°C]	Wall temperature (Right 6) of the evaporator
1	Evaporator_Hot_IN [°C]	Inlet temperature of the heating water in the evaporator
2	Evaporator_Hot_OUT [°C]	Outlet temperature of the heating water in the evaporator
3	Evaporator_Cold_IN [°C]	Inlet temperature of the working medium in the evaporator
4	Evaporator_Cold_OUT [°C]	Outlet temperature of the working medium in the evaporator
5	Condenser_Cold_IN [°C]	Inlet temperature of the cooling water in the condenser
8	Condenser_Cold_OUT [°C]	Outlet temperature of the cooling water in the condenser
9	Condenser_Hot_IN [°C]	Inlet temperature of the working medium in the condenser
12	Condenser_Hot_OUT [°C]	Outlet temperature of the working medium in the condenser
13	Preheater_Hot_IN [°C]	Inlet temperature of the heating water in the preheater
14	Preheater_Hot_OUT [°C]	Outlet temperature of the heating water in the preheater
15	Preheater_Cold_IN [°C]	Inlet temperature of the working medium in the preheater
19	P_IN [kPa]	Inlet pressure (absolute) of the working fluid in the evaporator
20	P_OUT [kPa]	Outlet pressure (absolute) of the working fluid in the evaporator
21	P_Diff [kPa]	Pressure difference of the working fluid in the evaporator
22	M_Evaporator_IN [g/s]	Mass flow rate of the working medium in the evaporator
X	Q_Evaporator_Hot [W]	Heat flow rate of the heating water in the evaporator (calculations)
X	Q_Condenser_Cold [W]	Heat flow rate of the cooling water in the condenser total (calculations)
X	Q_Preheater_Hot [W]	Heat flow rate of the heating water in the preheater (calculations)

THE PARAMETERS OF THE EVAPORATOR GEOMETRY AND THE EXPERIMENT CONDITIONS

Column name [Unit]	Description
Geometry	Type of the geometry
Manifold	Shape of the collective/distributive manifold
Working fluid	Name of the working fluid
Depth [μm]	Depth of the geometry (minichannel)
Hydraulic diameter [μm]	Hydraulic diameter of the geometry (minichannel)
Cold thermostat temperature [$^{\circ}\text{C}$]	Cooling water temperature (condenser) set on the constant temperature bath unit
Hot thermostat temperature [$^{\circ}\text{C}$]	Heating water temperature (evaporator) set on the constant temperature bath unit

ATTENTION

THE COLUMNS LISTED BELOW SHOULD BE IGNORED

Condenser_Cold_1-2 [$^{\circ}\text{C}$]	Condenser_Hot_1-2 [$^{\circ}\text{C}$]
Condenser_Cold_2-3 [$^{\circ}\text{C}$]	Condenser_Hot_2-3 [$^{\circ}\text{C}$]
T_FlowMeter_IN [$^{\circ}\text{C}$]	P_System [kPa]
M_Evaporator_IN [l/min]	