

Chemical Equipment Report

Generated from: sample_equipment_data_0ap4fZT.csv

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Summary Statistics

Metric	Value
Total Equipment	15
Average Flowrate	119.80 m³/h
Average Pressure	6.11 bar
Average Temperature	117.47 °C

Equipment Type Distribution

Equipment Type	Count	Percentage
Pump	4	26.7%
Valve	3	20.0%
Compressor	2	13.3%
HeatExchanger	2	13.3%
Reactor	2	13.3%
Condenser	2	13.3%

Equipment Data

Name	Type	Flowrate	Pressure	Temperature
Pump-1	Pump	120.0 m³/h	5.2 bar	110.0 °C
Compressor-1	Compressor	95.0 m³/h	8.4 bar	95.0 °C
Valve-1	Valve	60.0 m³/h	4.1 bar	105.0 °C
HeatExchanger-1	HeatExchanger	150.0 m³/h	6.2 bar	130.0 °C
Pump-2	Pump	132.0 m³/h	5.6 bar	118.0 °C
Valve-2	Valve	58.0 m³/h	4.0 bar	102.0 °C
Reactor-1	Reactor	140.0 m³/h	7.5 bar	140.0 °C
Pump-3	Pump	125.0 m³/h	5.3 bar	115.0 °C
Condenser-1	Condenser	160.0 m³/h	6.8 bar	125.0 °C
Compressor-2	Compressor	100.0 m³/h	8.0 bar	98.0 °C
HeatExchanger-2	HeatExchanger	155.0 m³/h	6.3 bar	132.0 °C
Valve-3	Valve	62.0 m³/h	4.2 bar	107.0 °C
Pump-4	Pump	130.0 m³/h	5.9 bar	119.0 °C
Reactor-2	Reactor	145.0 m³/h	7.2 bar	138.0 °C
Condenser-2	Condenser	165.0 m³/h	6.9 bar	128.0 °C