

# Chemical Equipment Analysis Report

Report Generated:	2026-02-02 23:22:00
Dataset Filename:	sample_equipment_data.csv
Upload Date:	2026-02-02 16:07:22
Total Equipment:	15

## Summary Statistics

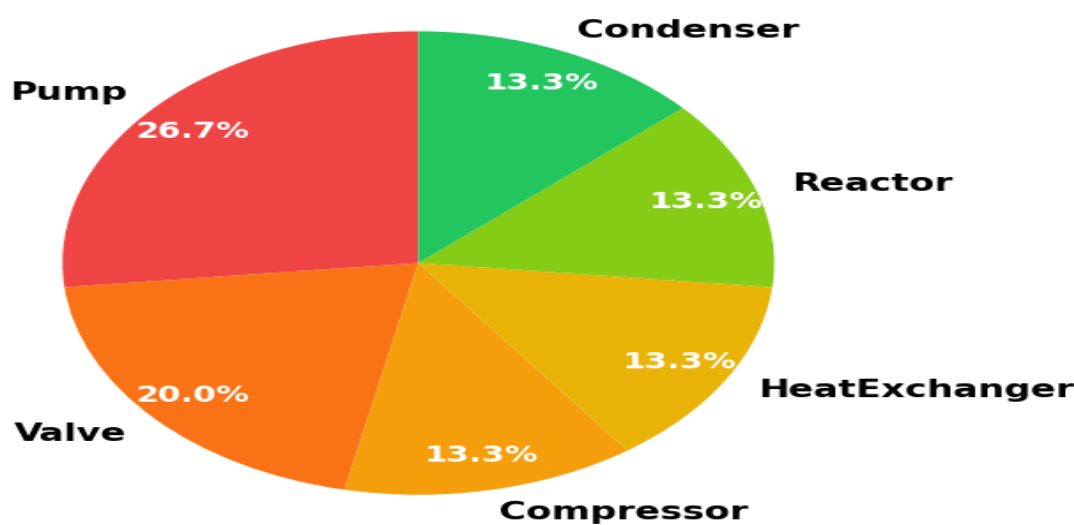
Metric	Average	Minimum	Maximum
Flowrate	119.80	58.00	165.00
Pressure	6.11	4.00	8.40
Temperature	117.47	95.00	140.00

## Equipment Type Distribution

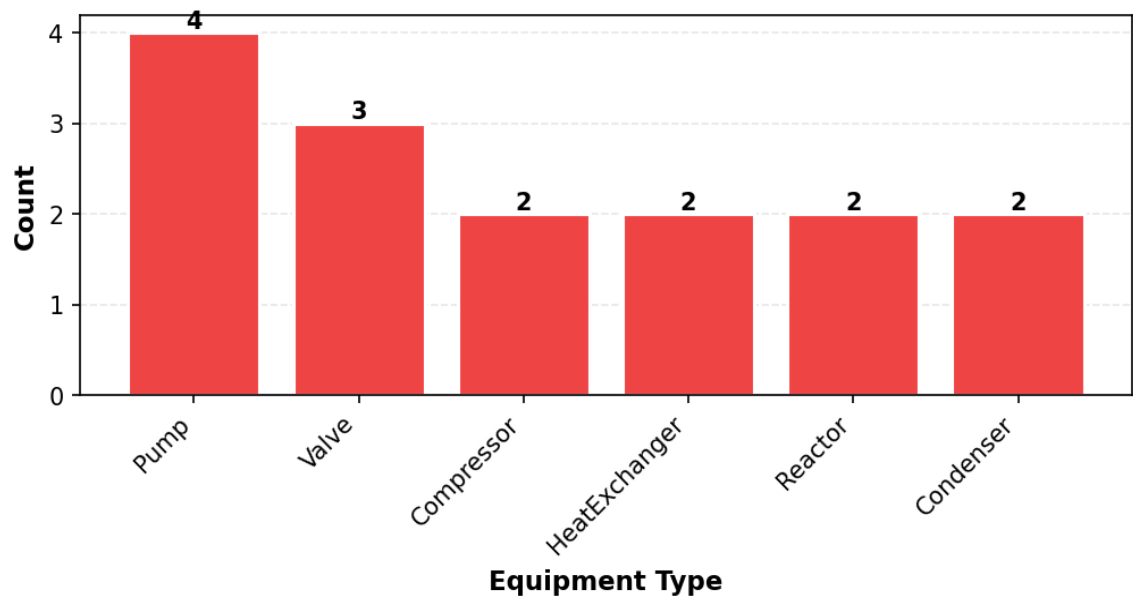
Equipment Type	Count	Percentage
Compressor	2	13.3%
Condenser	2	13.3%
HeatExchanger	2	13.3%
Pump	4	26.7%
Reactor	2	13.3%
Valve	3	20.0%

# Data Visualizations

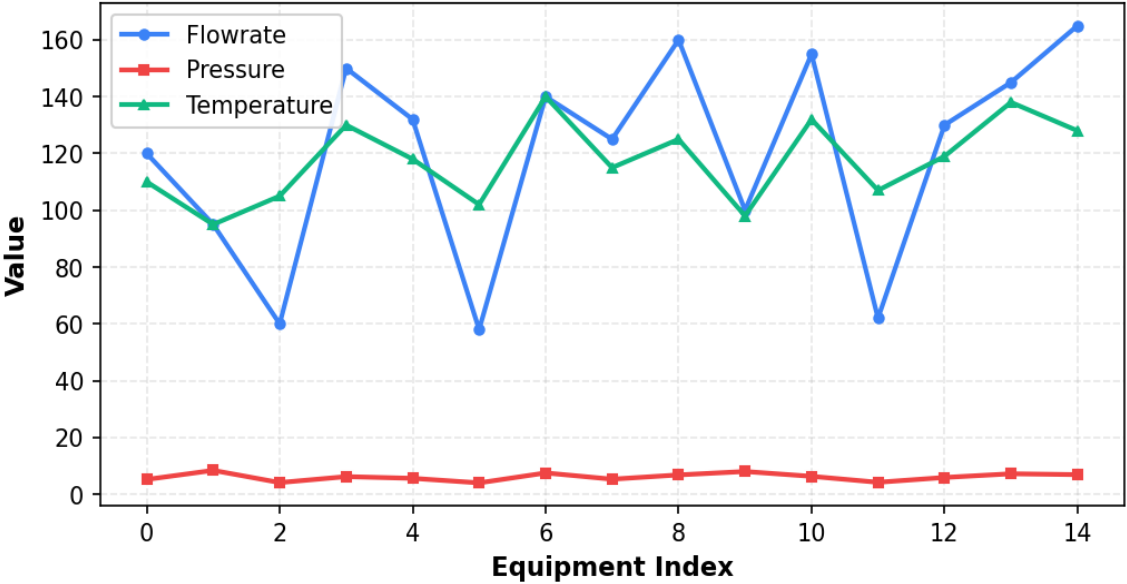
Equipment Type Distribution



Equipment Count by Type



Parameter Trends (First 20 Items)



## Equipment Data (First 20 rows)

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