

Chemical Equipment Parameter Report

Report generated on: 2025-11-13 20:20:43

Dataset ID: 1

File Name: sample_equipment_data_3.csv

Total Equipment Count: 5

Average Flowrate: 114.00

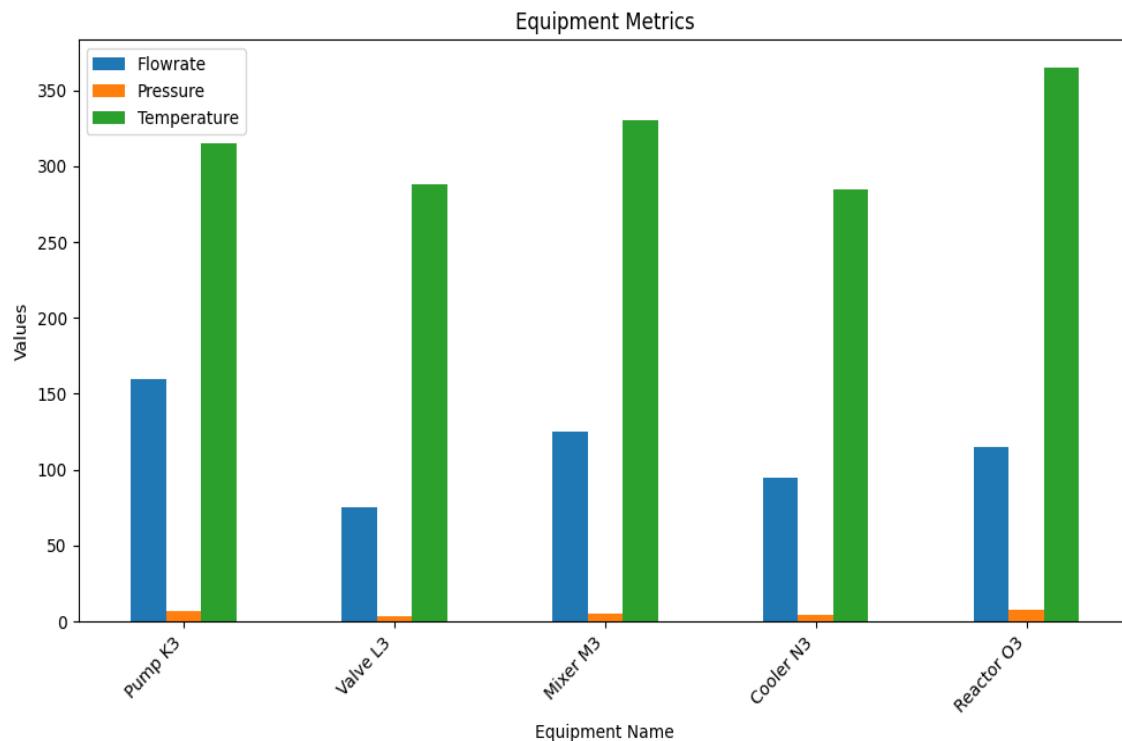
Average Pressure: 5.40

Average Temperature: 316.60

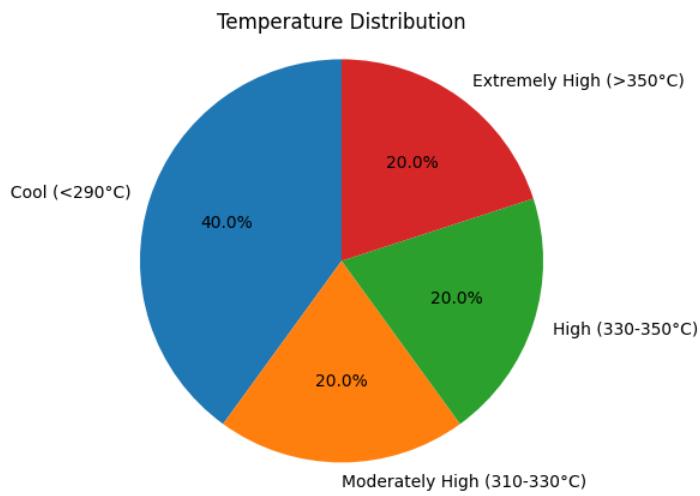
Data Insights

- This dataset contains data for 5 pieces of equipment.
- Flowrate ranges from 75 to 160. Equipment with highest flowrate: Pump K3.
- Pressure ranges from 3 to 8. Equipment with highest pressure: Reactor O3.
- Temperature ranges from 285 to 365°C. Equipment with highest temperature: Reactor O3.

Equipment Metrics



Temperature Distribution



Raw Data

Equipment Name	Type	Flowrate	Pressure	Temperature	temp_category
Pump K3	Pump	160	7	315	Moderately High (310-330°C)
Valve L3	Valve	75	3	288	Cool (<290°C)
Mixer M3	Mixer	125	5	330	High (330-350°C)
Cooler N3	Cooler	95	4	285	Cool (<290°C)
Reactor O3	Reactor	115	8	365	Extremely High (>350°C)