

Chemical Equipment Parameter Report

Report generated on: 2025-11-13 01:41:59

Dataset ID: 27

File Name: chemical_data_test8.csv

Total Equipment Count: 8

Average Flowrate: 139.38

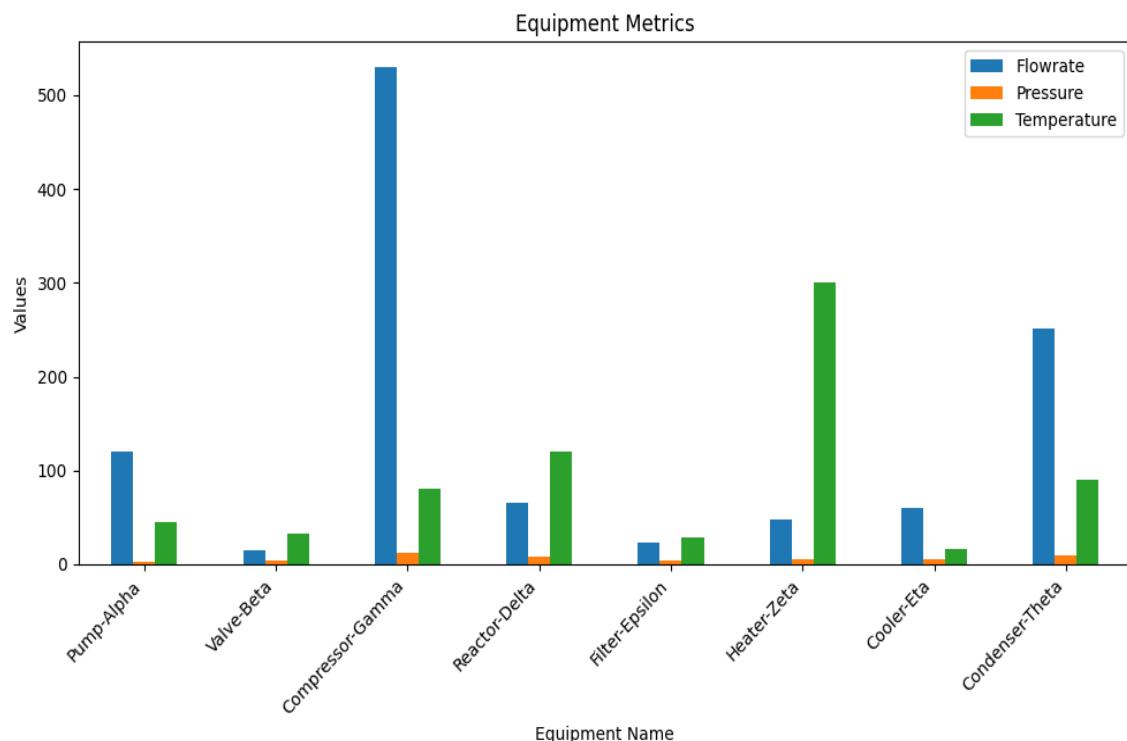
Average Pressure: 6.61

Average Temperature: 89.19

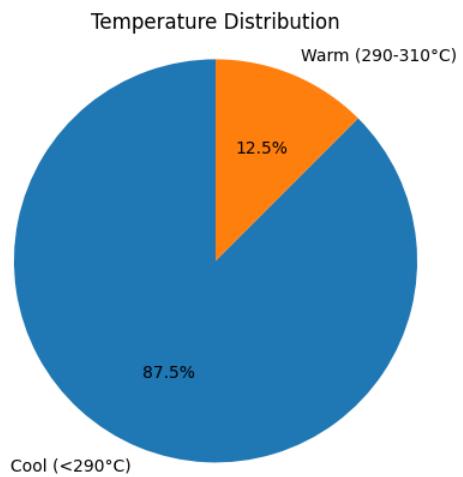
Data Insights

- This dataset contains data for 8 pieces of equipment.
- Flowrate ranges from 15.3 to 530.2. Equipment with highest flowrate: Compressor-Gamma.
- Pressure ranges from 2.1 to 12.3. Equipment with highest pressure: Compressor-Gamma.
- Temperature ranges from 15.7 to 300.4°C. Equipment with highest temperature: Heater-Zeta.

Equipment Metrics



Temperature Distribution



Raw Data

Equipment Name	Type	Flowrate	Pressure	Temperature	temp_category
Pump-Alpha	Pump	120.5	2.1	45.2	Cool (<290°C)
Valve-Beta	Valve	15.3	4.5	32.8	Cool (<290°C)
Compressor-Gamma	Compressor	530.2	12.3	80.1	Cool (<290°C)
Reactor-Delta	Reactor	65.9	8.7	120.5	Cool (<290°C)
Filter-Epsilon	Filter	23.7	3.4	28.6	Cool (<290°C)
Heater-Zeta	Heater	48.1	5.8	300.4	Warm (290-310°C)
Cooler-Eta	Cooler	60.4	6.1	15.7	Cool (<290°C)
Condenser-Theta	Condenser	250.9	10.0	90.2	Cool (<290°C)