

Chemical Equipment Parameter Report

Report generated on: 2025-11-16 19:14:34

Dataset ID: 7

File Name: sample_equipment_data (1).csv

Total Equipment Count: 15

Average Flowrate: **119.80**

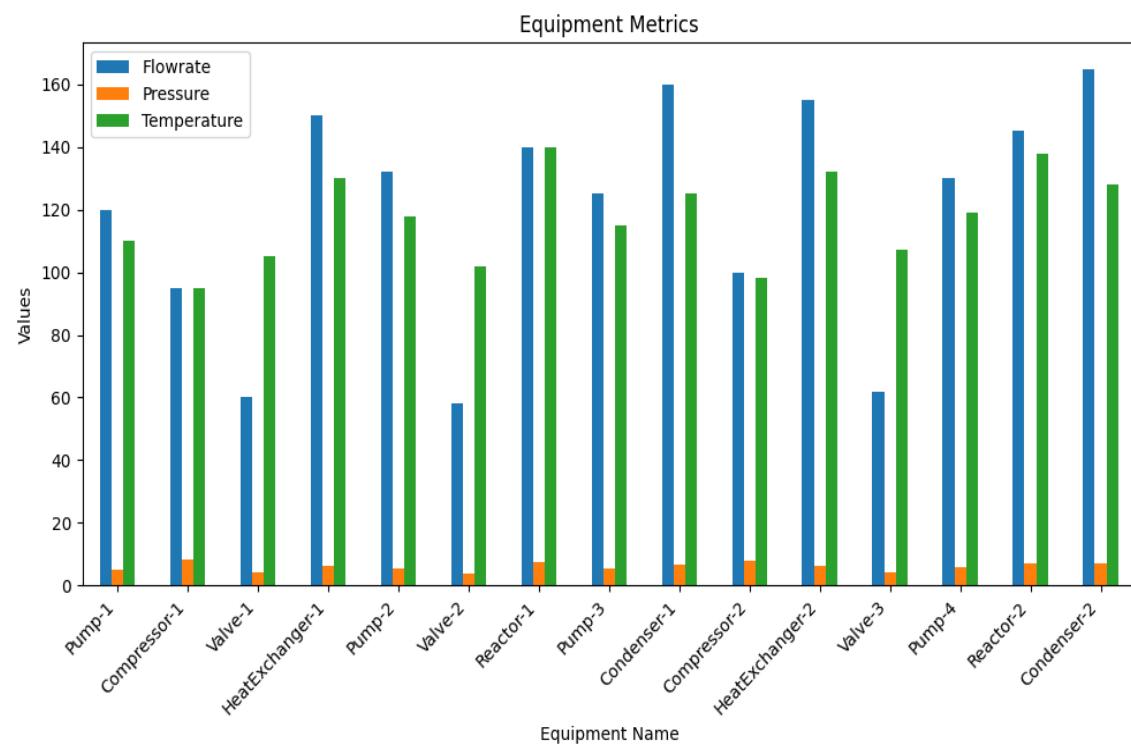
Average Pressure: **6.11**

Average Temperature: **117.47**

Data Insights

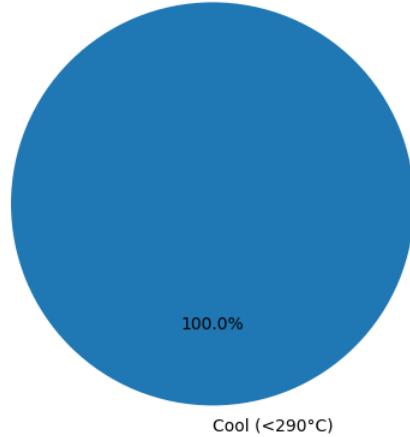
- This dataset contains data for 15 pieces of equipment.
- Flowrate ranges from 58 to 165. Equipment with highest flowrate: Condenser-2.
- Pressure ranges from 4.0 to 8.4. Equipment with highest pressure: Compressor-1.
- Temperature ranges from 95 to 140°C. Equipment with highest temperature: Reactor-1.

Equipment Metrics



Temperature Distribution

Temperature Distribution



Raw Data

Equipment Name	Type	Flowrate	Pressure	Temperature	category
Pump-1	Pump	120	5.2	110	Cool (<290°C)
Compressor-1	Compressor	95	8.4	95	Cool (<290°C)
Valve-1	Valve	60	4.1	105	Cool (<290°C)
HeatExchanger-1	HeatExchanger	150	6.2	130	Cool (<290°C)
Pump-2	Pump	132	5.6	118	Cool (<290°C)
Valve-2	Valve	58	4.0	102	Cool (<290°C)
Reactor-1	Reactor	140	7.5	140	Cool (<290°C)
Pump-3	Pump	125	5.3	115	Cool (<290°C)
Condenser-1	Condenser	160	6.8	125	Cool (<290°C)
Compressor-2	Compressor	100	8.0	98	Cool (<290°C)
HeatExchanger-2	HeatExchanger	155	6.3	132	Cool (<290°C)
Valve-3	Valve	62	4.2	107	Cool (<290°C)
Pump-4	Pump	130	5.9	119	Cool (<290°C)
Reactor-2	Reactor	145	7.2	138	Cool (<290°C)
Condenser-2	Condenser	165	6.9	128	Cool (<290°C)