

Chemical Equipment Parameter Report

Report generated on: 2025-11-13 21:26:56

Dataset ID: 7

File Name: sample_equipment_data_3.csv

Total Equipment Count: 5

Average Flowrate: **114.00**

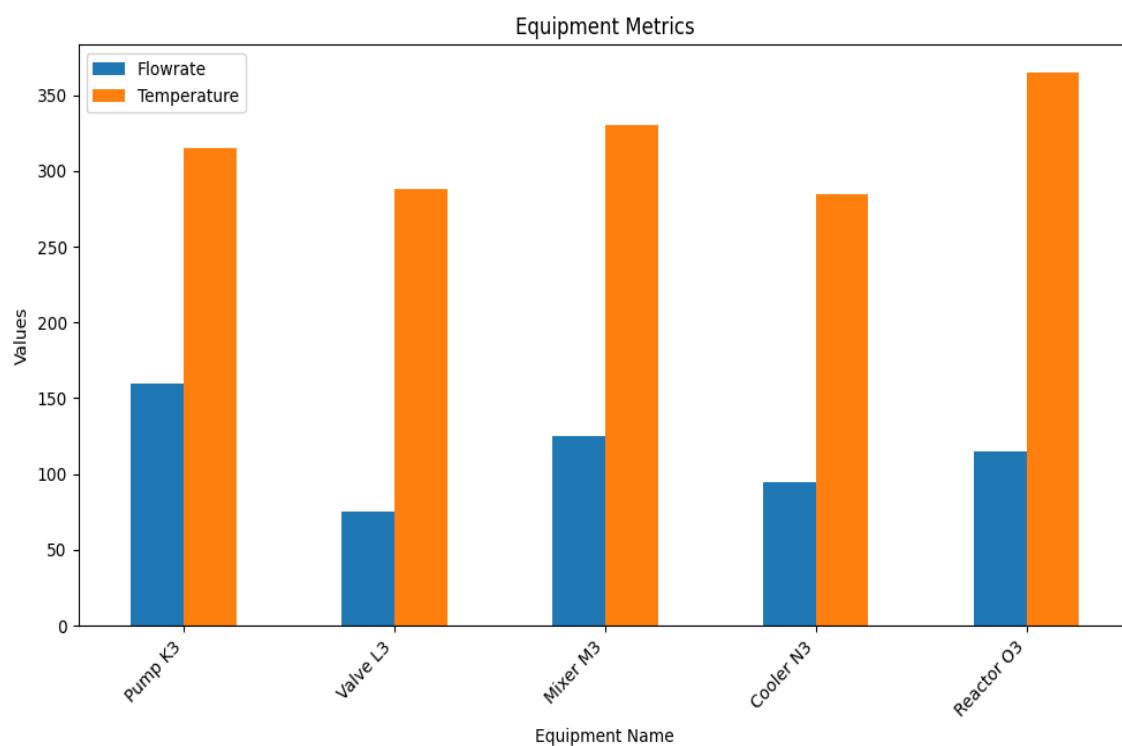
Average Pressure: **5.40**

Average Temperature: **316.60**

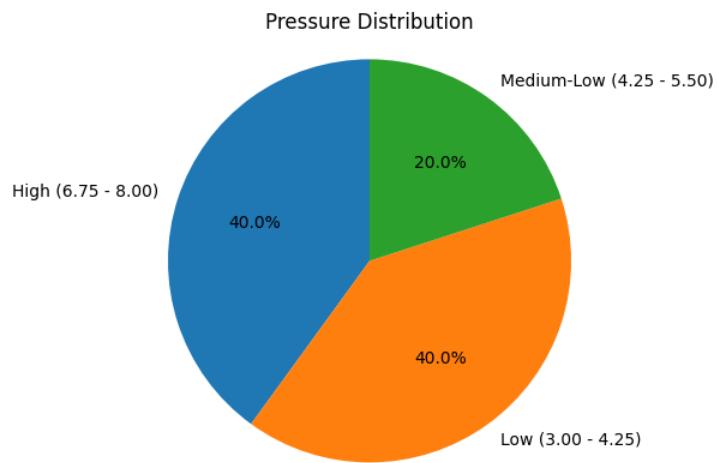
Data Insights

- 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



Pressure Distribution



Raw Data

| Equipment Name | Type | Flowrate | Pressure | Temperature | category |
|----------------|---------|----------|----------|-------------|--------------------------|
| Pump K3 | Pump | 160 | 7 | 315 | High (6.75 - 8.00) |
| Valve L3 | Valve | 75 | 3 | 288 | Low (3.00 - 4.25) |
| Mixer M3 | Mixer | 125 | 5 | 330 | Medium-Low (4.25 - 5.50) |
| Cooler N3 | Cooler | 95 | 4 | 285 | Low (3.00 - 4.25) |
| Reactor O3 | Reactor | 115 | 8 | 365 | High (6.75 - 8.00) |