

## Report: sample\_equipment\_data.csv

Total equipment rows: 15

Average Flowrate: 119.800

Average Pressure: 6.107

Average Temperature: 117.467

Type distribution:

- Pump: 4
- Valve: 3
- Compressor: 2
- HeatExchanger: 2
- Reactor: 2
- Condenser: 2

Sample data (first 10 rows):

Equipment Name	Type	Flowrate	Pressure	Temperature
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Pump-1 | Pump | 120 | 5.2 | 110

Compressor-1 | Compressor | 95 | 8.4 | 95

Valve-1 | Valve | 60 | 4.1 | 105

HeatExchanger-1 | HeatExchanger | 150 | 6.2 | 130

Pump-2 | Pump | 132 | 5.6 | 118

Valve-2 | Valve | 58 | 4.0 | 102

Reactor-1 | Reactor | 140 | 7.5 | 140

Pump-3 | Pump | 125 | 5.3 | 115

Condenser-1 | Condenser | 160 | 6.8 | 125

Compressor-2 | Compressor | 100 | 8.0 | 98