

Equipment Report

total_equipment: 15

avg_flowrate: 119.8

avg_pressure: 6.11

avg_temperature: 117.47

type_distribution: {'Pump': 4, 'Valve': 3, 'Compressor': 2, 'HeatExchanger': 2, 'Reactor': 2, 'Condenser': 2}

equipment_list: [{'equipment_name': 'Pump-1', 'type': 'Pump', 'flowrate': 120, 'pressure': 5.2, 'temperature': 118.5}, {'equipment_name': 'Pump-2', 'type': 'Pump', 'flowrate': 120, 'pressure': 5.2, 'temperature': 118.5}, {'equipment_name': 'Pump-3', 'type': 'Pump', 'flowrate': 120, 'pressure': 5.2, 'temperature': 118.5}, {'equipment_name': 'Pump-4', 'type': 'Pump', 'flowrate': 120, 'pressure': 5.2, 'temperature': 118.5}, {'equipment_name': 'Valve-1', 'type': 'Valve', 'flowrate': 120, 'pressure': 5.2, 'temperature': 118.5}, {'equipment_name': 'Valve-2', 'type': 'Valve', 'flowrate': 120, 'pressure': 5.2, 'temperature': 118.5}, {'equipment_name': 'Valve-3', 'type': 'Valve', 'flowrate': 120, 'pressure': 5.2, 'temperature': 118.5}, {'equipment_name': 'Compressor-1', 'type': 'Compressor', 'flowrate': 120, 'pressure': 5.2, 'temperature': 118.5}, {'equipment_name': 'Compressor-2', 'type': 'Compressor', 'flowrate': 120, 'pressure': 5.2, 'temperature': 118.5}, {'equipment_name': 'HeatExchanger-1', 'type': 'HeatExchanger', 'flowrate': 120, 'pressure': 5.2, 'temperature': 118.5}, {'equipment_name': 'HeatExchanger-2', 'type': 'HeatExchanger', 'flowrate': 120, 'pressure': 5.2, 'temperature': 118.5}, {'equipment_name': 'Reactor-1', 'type': 'Reactor', 'flowrate': 120, 'pressure': 5.2, 'temperature': 118.5}, {'equipment_name': 'Reactor-2', 'type': 'Reactor', 'flowrate': 120, 'pressure': 5.2, 'temperature': 118.5}, {'equipment_name': 'Condenser-1', 'type': 'Condenser', 'flowrate': 120, 'pressure': 5.2, 'temperature': 118.5}, {'equipment_name': 'Condenser-2', 'type': 'Condenser', 'flowrate': 120, 'pressure': 5.2, 'temperature': 118.5}]]