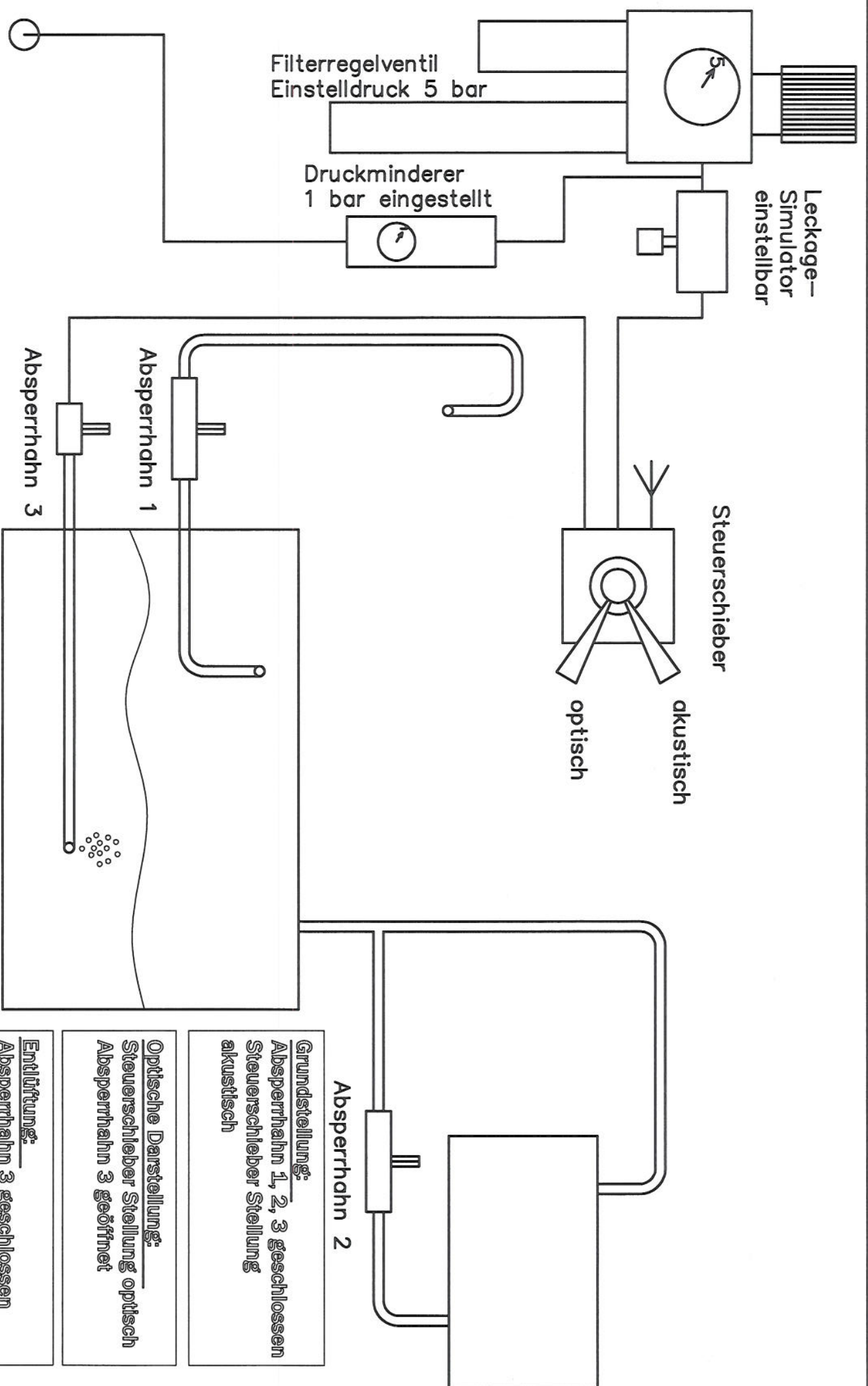


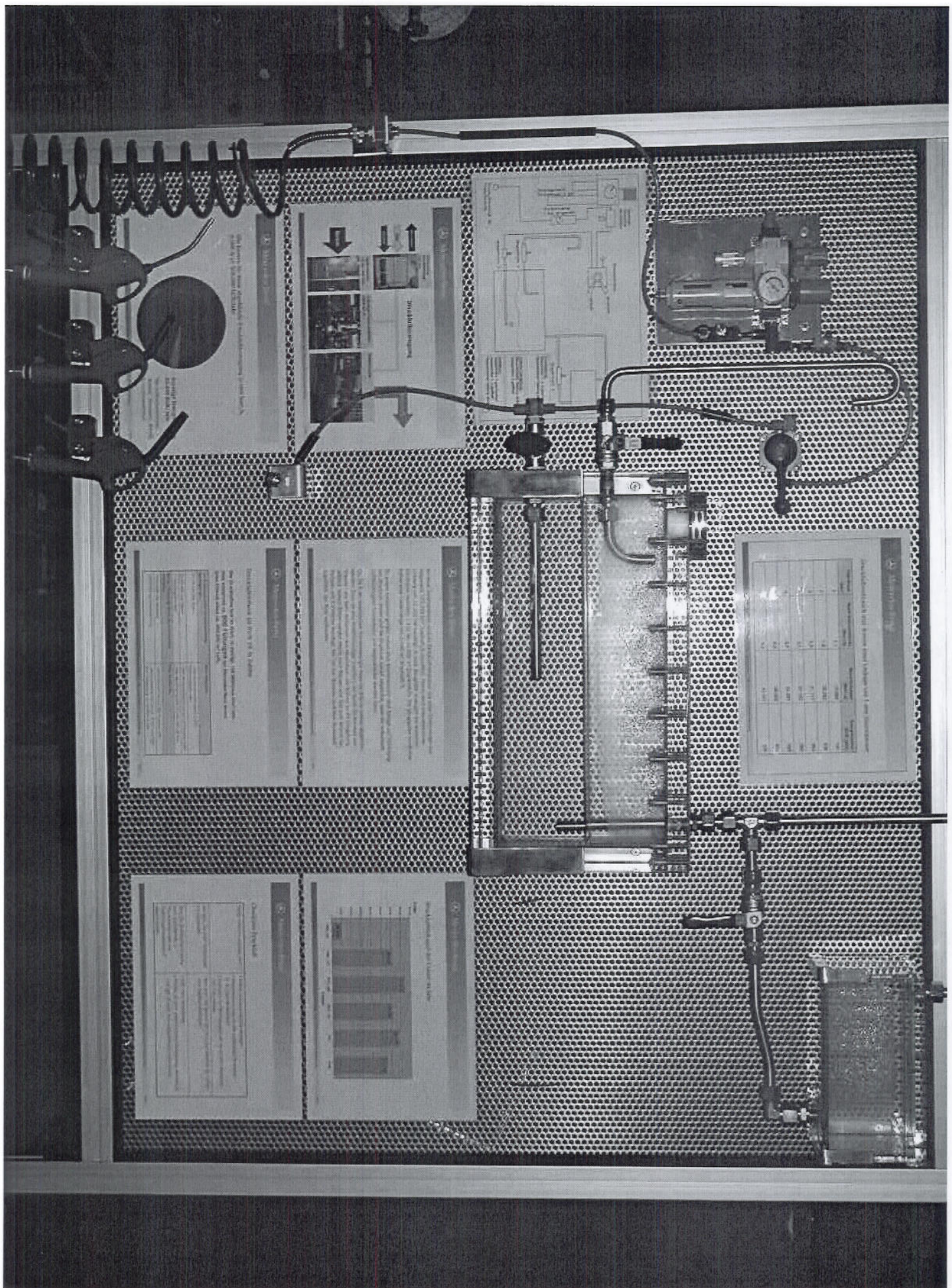
Druckluftanschluss für  
Prebluftpistole



Grundstellung:  
Absperrhahn 1, 2, 3 geschlossen  
Steuerschieber Stellung  
akustisch

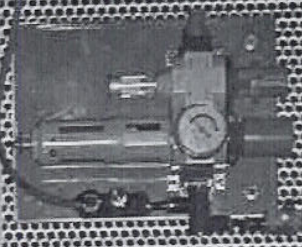
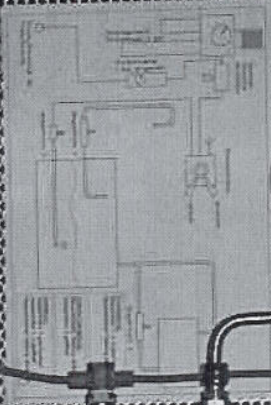
Optische Darstellung:  
Steuerschieber Stellung optisch  
Absperrhahn 3 geöffnet

Entlüftung:  
Absperrhahn 3 geschlossen  
Absperrhahn 1, 2 geöffnet  
Steuerschieber Stellung  
akustisch



**1.1** **Introduction**

The purpose of this report is to describe the design and construction of a system for the measurement of the rate of change of the concentration of a gas in a closed system. The system is designed to measure the rate of change of the concentration of a gas in a closed system. The system is designed to measure the rate of change of the concentration of a gas in a closed system.

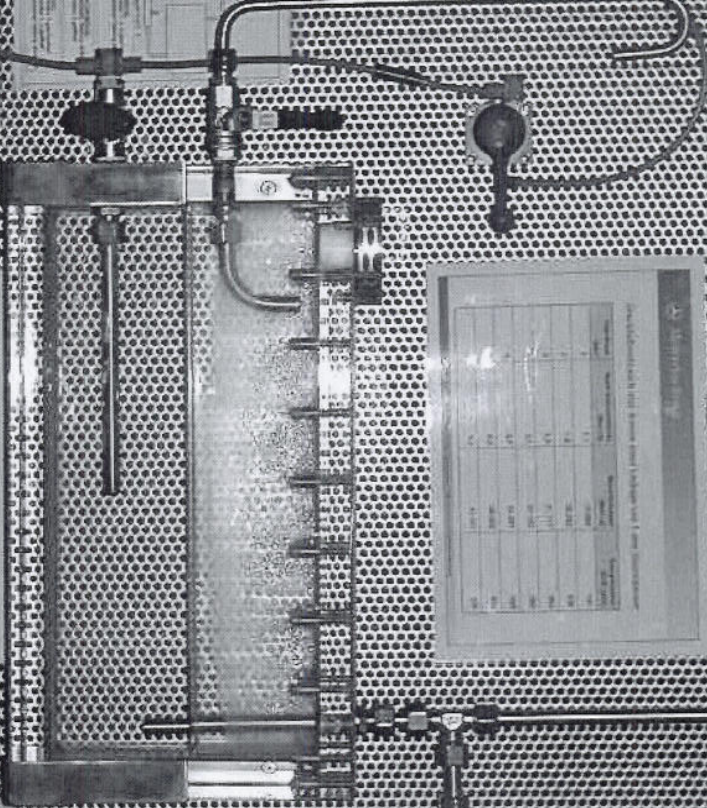


**1.2** **Objectives**

The objectives of this project are to design and construct a system for the measurement of the rate of change of the concentration of a gas in a closed system. The system is designed to measure the rate of change of the concentration of a gas in a closed system.

**1.3** **Methodology**

The methodology used in this project is a combination of theoretical analysis and practical experimentation. The theoretical analysis involves the derivation of the governing equations for the system. The practical experimentation involves the construction and testing of the system.



**Table 1: Experimental Results**

| Time (s) | Concentration (mol/m³) | Rate of Change (mol/m³/s) |
|----------|------------------------|---------------------------|
| 0        | 0.00                   | 0.00                      |
| 10       | 0.10                   | 0.01                      |
| 20       | 0.20                   | 0.02                      |
| 30       | 0.30                   | 0.03                      |
| 40       | 0.40                   | 0.04                      |
| 50       | 0.50                   | 0.05                      |
| 60       | 0.60                   | 0.06                      |
| 70       | 0.70                   | 0.07                      |
| 80       | 0.80                   | 0.08                      |
| 90       | 0.90                   | 0.09                      |
| 100      | 1.00                   | 0.10                      |

**1.4** **Results and Discussion**

The results of the experiment show that the rate of change of the concentration of a gas in a closed system is directly proportional to the time. The experimental results are compared with the theoretical results, and the agreement is found to be very good.

**1.5** **Conclusion**

The conclusion of this project is that the system designed and constructed is capable of measuring the rate of change of the concentration of a gas in a closed system. The system is simple in design and easy to use.