

SO₂ supply line for float glass production

SO₂ supply line

For the supply of the cooling lehr of a flat glass production line in Central Asia with diluted Sulphur Dioxide (SO₂) LT GASETECHNIK supplies the system.

This SO₂ supply line receives at the input

Sulphur Dioxide

- 1.5 to 8.5 barg
- 125-1250 l / hr

Nitrogen

- 2.0 to 5.0 barg
- 0.4 to 1000 l / hr

Compressed air (dry)

The SO₂ supply line produces the following gas mixtures:

Output pressure: min. 0.5 barg

Output Volume 2 x: 40.0 ... 400.0 l/hr SO₂/N₂

Output Volume 2 x: 40.0 ... 400.0 l/hr of SO₂ with N₂ or air

Output Volume Total: Max. 1,250.0 l/hr SO₂

The SO₂ system essentially consists of

- pressure regulating panel
- distribution panel to 4 trains
- terminal box for automatic detection and transfer of alarms and operating data
- 4 heated sample tubes
- gas alarm system, siren and strobe light



Design

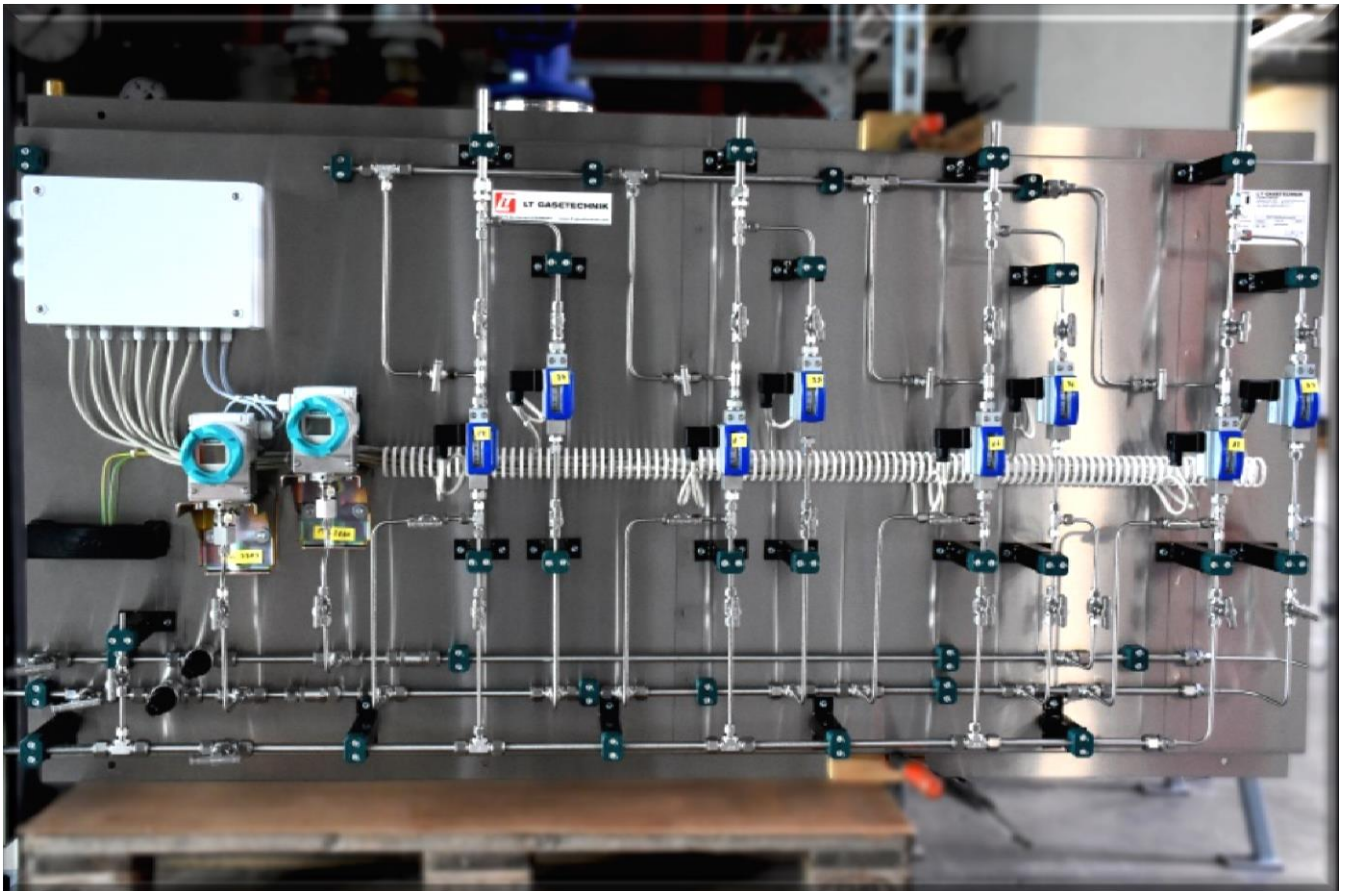
Gas detection sensors can be mounted close to the application point at the lehr, which are also connected to the common gas warning center. An optical / acoustic signalling should be mounted in close vicinity to each application point.

The main system components are redundant; so the system ensures an all-time SO₂ supply for the flat glass production line.

A pressure drop in the operating SO₂ -vessel is indicated to the central control room. From there, the switching command is sent to the station. The command is processed in the control cabinet and converted in a correspondent switching action through a solenoid valve.

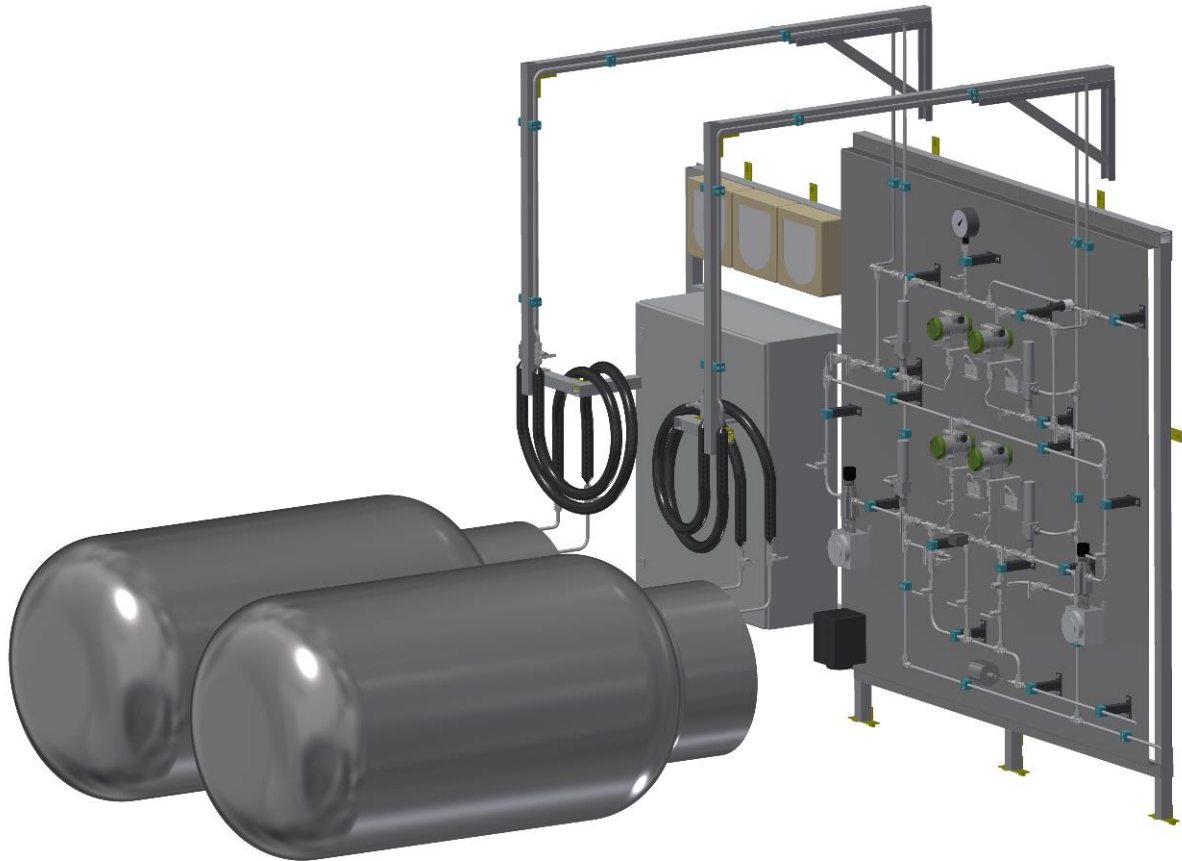
*Design according to your needs!
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All alarms and operating data are provided in the cabinet to be transferred to the central control room: Pressures, flows, and temperatures.





Installation location is in a special built SO₂ -room, some parts of the system are placed close to the production line.



With these measures, your employees are properly protected against dangerous SO₂ concentration in the breathing air.

LT GASETECHNIK
beyond standards

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