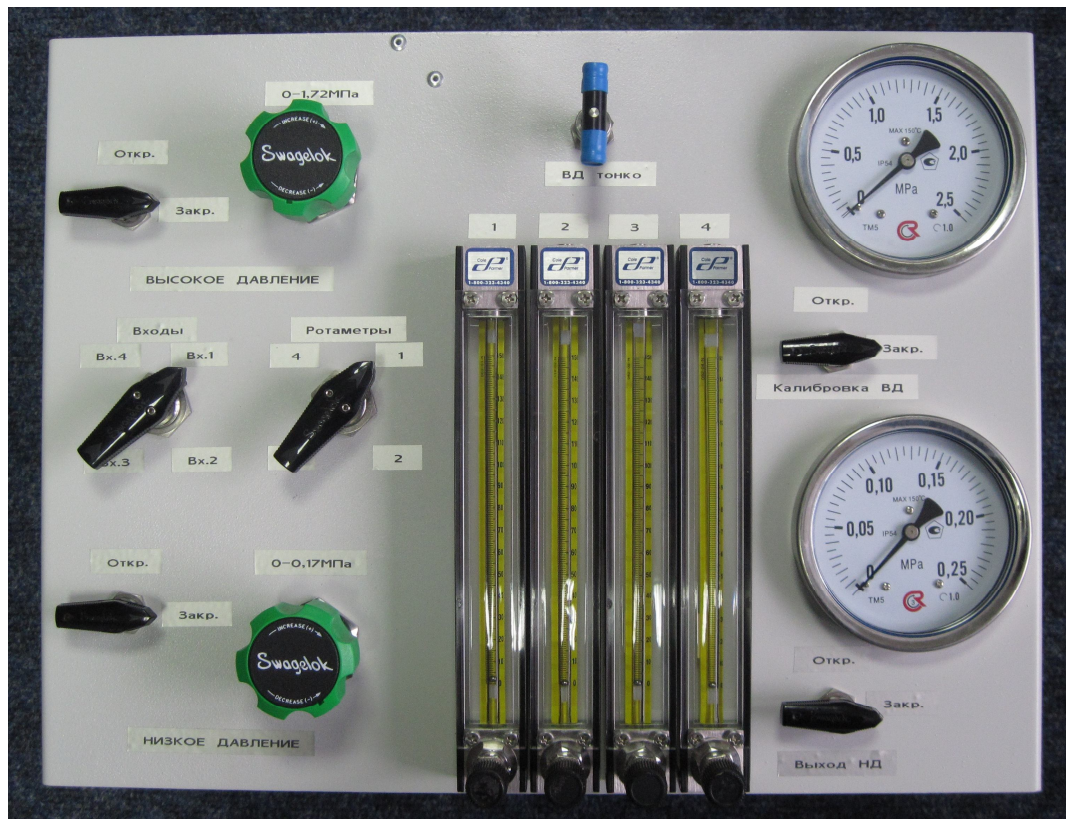


Unit for Supply of Reference Gases



Purpose

The unit is designed for reference gas pressure and flow control in a process of gas analyzer calibration. The unit is usually supplied within the test benches, but can be used a separate stand-alone device as well.

Description

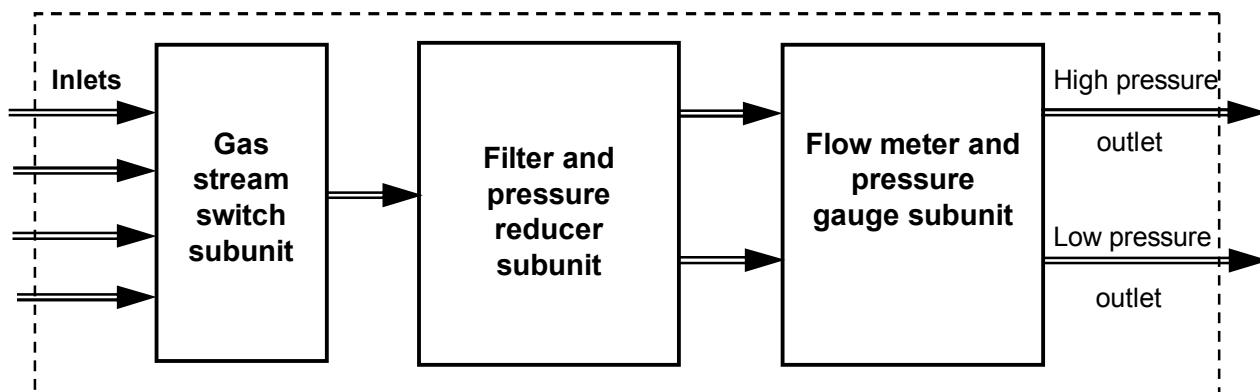
The unit has П-shaped structure. Switches and pressure regulators for flow control as well as well as flow meters and pressure gauges are installed on the front wall. Inlet fittings for connection to reference gas bottles are located on the left wall, while outlet fittings are placed on the right wall of the panel. All connections of gas flow train use stainless steel 1/8" tubes.

Specific features

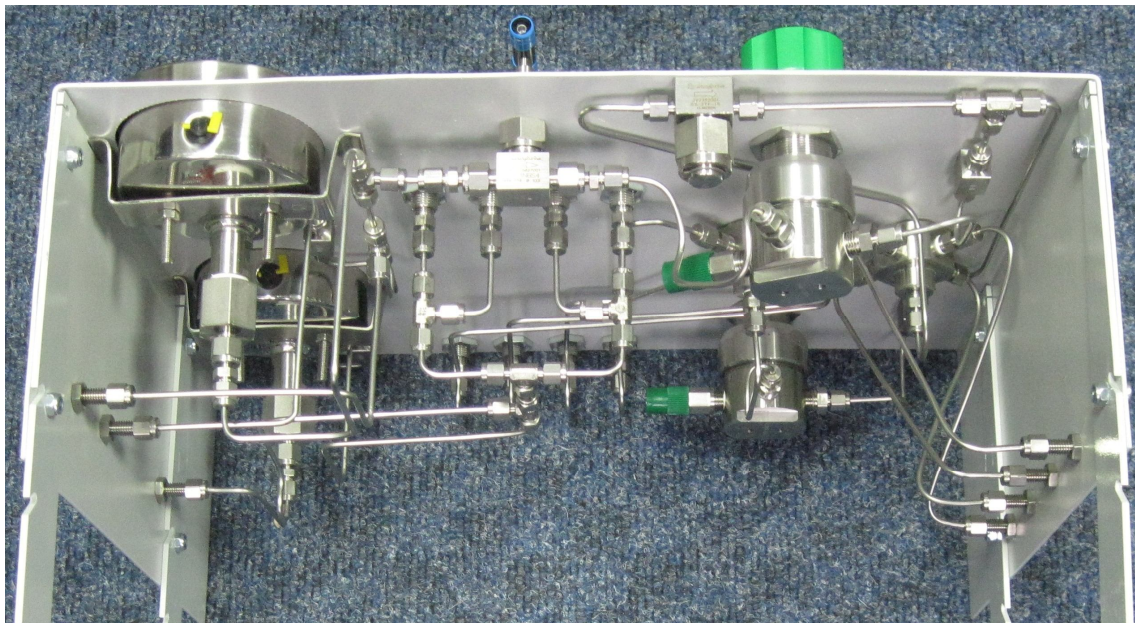
- ◆ Compact design and versatility
- ◆ Wide range of pressure and reference gas flow rate control
- ◆ Possibility to connect up to four reference gas streams
- ◆ Possibility to use pressure calibrator for precision measurement of outlet pressure
- ◆ Built-in filter protecting the analyzer under test from contaminations
- ◆ High reliability ensured by the use of modern components
- ◆ Increased safety ensured by the safety valves on each pressure reducer
- ◆ Absence of power supply

Unit for Supply of Reference Gases

Flow chart



Top view



Specifications

| | |
|---|---|
| Inlets | 4 |
| Inlet pressure | up to 15 MPa |
| Outlets | 3 (low pressure, high pressure, to external gauge/calibrator) |
| Outlet pressure | high pressure 0...1.72 MPa, low pressure 0...0.17 MPa ^{*)} |
| Flow rate at low pressure outlet | from 0...264 ml/min to 0...4562 ml/min (air equivalent) ^{*)} |
| Connections | 1/8" tube with 1/8"NPT fittings ^{*)} |
| Dimensions, cm | 54 (W) x 36,5 (H) x 24 (D) |

* Other pressure and flow rate ranges as well as connection types upon request

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