



## SZG TYPE GAS FLOW CONTROLLER

### ■ **Field of application:**

These appliances are used for broad range of control of gas and air volume by industrial firing technological equipment.

### ■ **Execution:**

On request they can be manufactured with 1 or 2 stubs version, where the case of valve made of grey steel casting, the internal parts are made of aluminium or stainless steel.

### ■ **Medium:**

Air, natural gas, PB gas, other gases which are not hazardous for the parts of the valve.

### ■ **Installation position:**

optional.

### ■ **Direction of flow:**

optional.

### ■ **Technical data:**

Nominal service gas pressure: 6 bar  
Medium temperature: -20; +80 °C  
Ambient temperature: -20; +80 °C  
Angle of adjustment: 0 – max. 90 °



### ■ **Way of operation:**

The SZG type gas volume controllers are possessing quadratic shape flow through section, by which the side dimension parallel with the rotation axis of valve can be adjusted continuously in using threaded stem for the reduction. In this way the flowing through of the given valve can be adjusted, resp. can be properly limited. By turning the rotation part of the valve by 90° in the turn down ratio the adjusted flow volume can be continuously reduced up to the point of the so called basic through flow value. The ratio of the basic flow through volume is 4-5% of the total volume, which can flow-through the system under the given value of pressure. Valves having higher nominal diameter (OD 100 and OD 150) are also manufactured each 2 limiting element of various sizes allowing for the valve higher resp. lower ratio of volume limitation. If by the ordering the gas volume to be adjusted is not yet known, in this case as spare part another set of limiting element is expedient to procure, as their installation is also possible on site.



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