

*valvario*®

## Solenoid valves for gas VAS

- /// A further development of the solenoid valves for gas VG and VS
- /// Suitable for a max. inlet pressure of 500 mbar
- /// Simple system installation
- /// Compact design saves space
- /// Easy flow adjustment with display
- /// Control signal by the blue LED
- /// Position indicator with integral visual indicator
- /// Suitable for intermittent operation
- /// Wide-ranging applications due to the modular construction
- /// Higher flow rates with same nominal size



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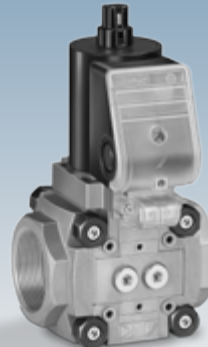
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**VAS../N**



**VAS../L**



**VAS..S**

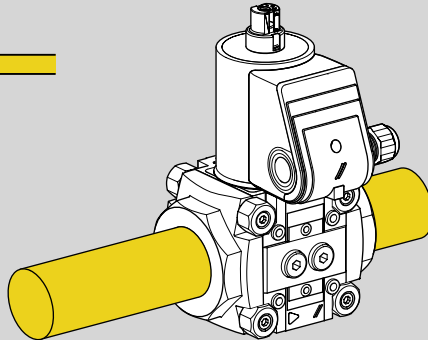
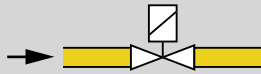


**VAS../N + DG..C**

## Application

Soloid valves for gas VAS for safeguarding and controlling the air and gas supply to gas burners and gas appliances. For use in gas control and safety systems in all sectors of the iron, steel, glass and ceramics industries and in commercial heat generation, such as the packaging, paper and foodstuffs industries.

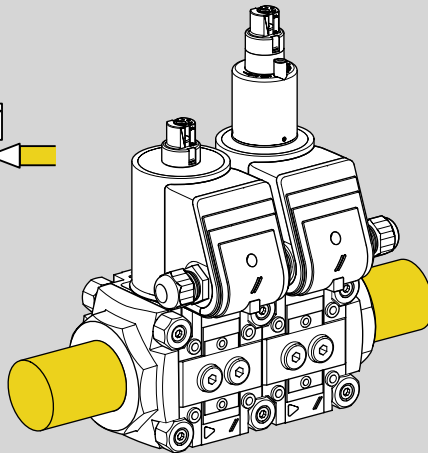
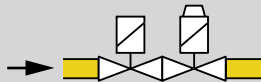
*The modular design principle allows the individual components of the VAS Series to be combined individually e.g. quick opening slow opening with position indicator and visual indicator quick opening with attached pressure switch*



### Application examples

#### Solenoid valve

VAS..N, quick opening

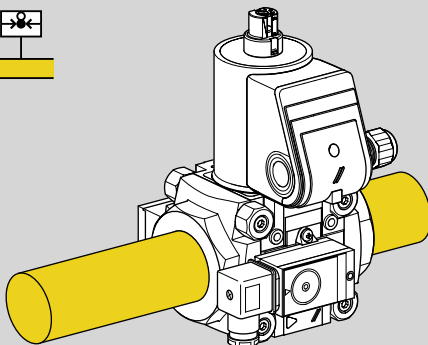
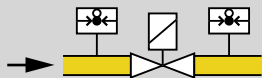


#### Double solenoid valve

VAS..N, quick opening,

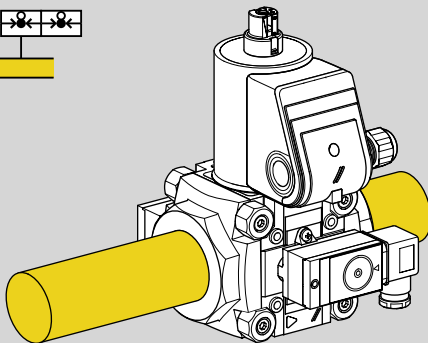
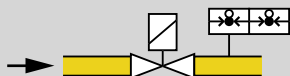
VAS..L, slow opening





### Solenoid valve with inlet- and outlet pressure switch

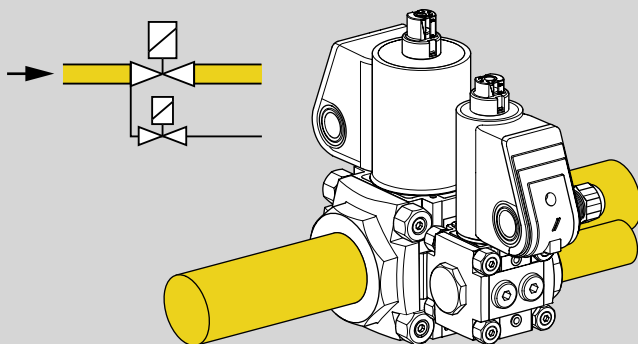
VAS..N, quick opening, pressure switch DG..C for inlet pressure  $p_e$  and outlet pressure  $p_a$



### Solenoid valve with two outlet pressure switches

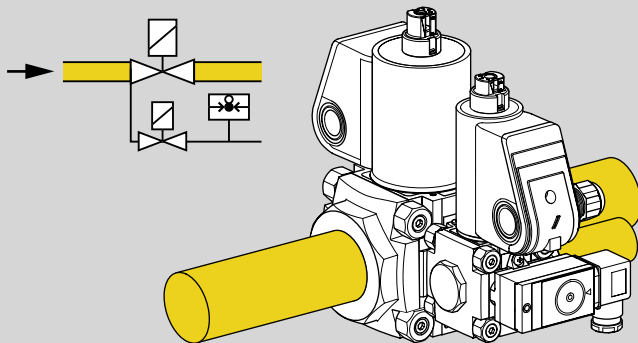
VAS..N, quick opening, pressure switch DG..C for outlet pressure  $2 \times p_a$





### Solenoid valve with pilot gas valve

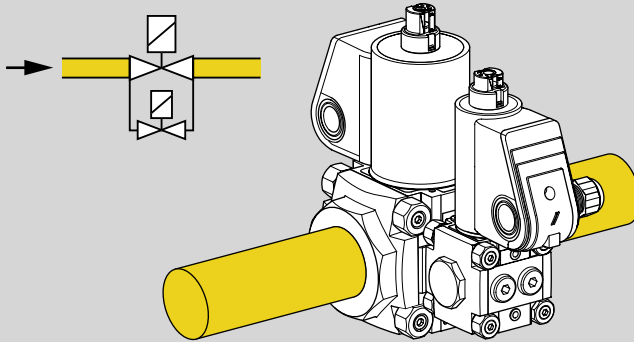
VAS..N, quick opening,  
VAS 1 as pilot gas valve



### Solenoid valve with pilot gas valve with pressure switch

VAS..N, quick opening,  
VAS 1 as pilot gas valve,  
pressure switch DG..C





### **Solenoid valve with bypass valve**

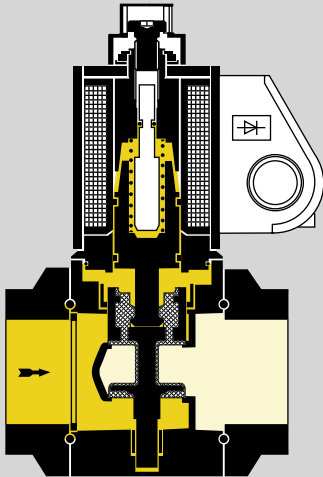
VAS..N, quick opening,  
VAS 1 as bypass valve ■

## Certification

EC type-tested and certified pursuant to



- Gas Appliances Directive (90/396/EEC) in conjunction with EN 161,
  - Machinery Directive (89/392/EEC),
  - Low-Voltage Directive (73/23/EEC) in conjunction with the relevant standards,
  - EMC Directive (89/336/EEC) in conjunction with EN 55104.
- FM, UL and CSA approval in preparation.



**Animation**

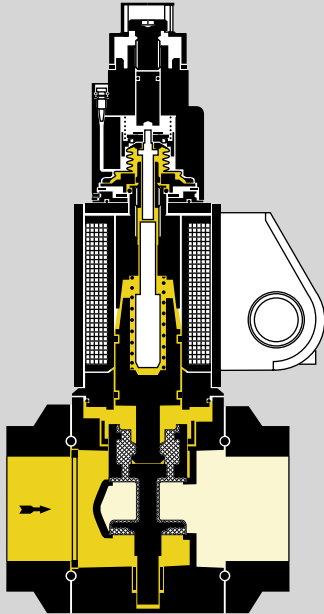
## Function

The solenoid valve VAS is a class A gas safety valves to EN 161, for automatic shut-off, closed when de-energised, for gas and air. Ut verci eummodolum zzrit irillutat wisit iustie feugiatis niamconum quisi tin ea feu faci bla feu facillum iliquat. Duiipit dipit lorem iuscil etum et prat. Ut praesed mincilla feum iure feui bla conseccte feugiamet praestie moluptatis dolorper am vel inisit landiat. Dui estrud tie consend onsenibh ex eros er ipsum augait numsan velenim quatum zzrilis nostrud tem ex eugiam, core dolendignim alit amet lor incinibh enis.

## VAS..N, quick opening

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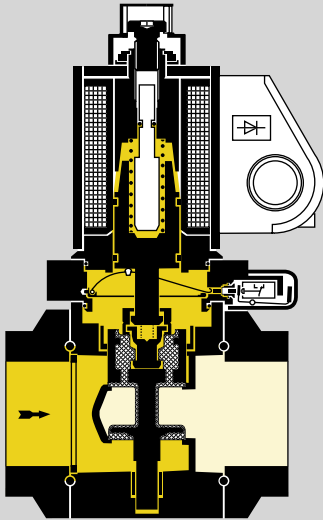




### **VAS..L, slow opening**

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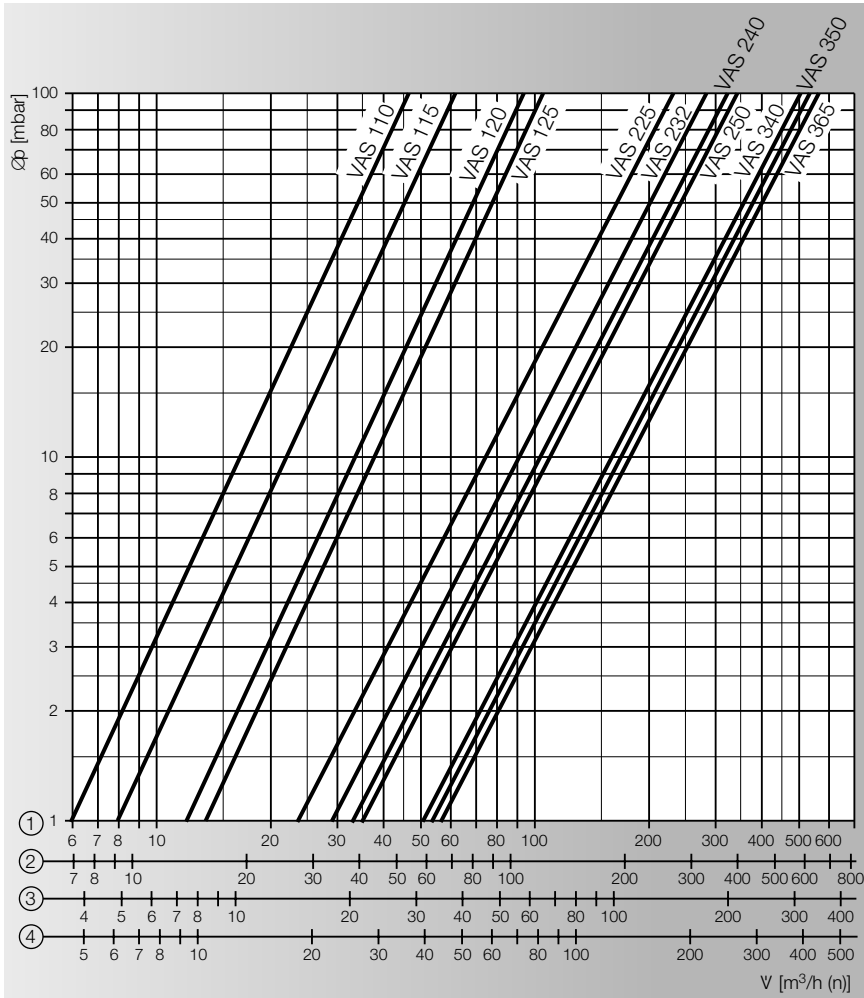
## **VAS..S, position indicator and visual indicator**

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## **Replacement possibility for solenoid valves for gas with threaded connection**

## Replacement possibility for MODULINE solenoid valves for gas

## Flow rate



**Selection**

**Order example**

**Planning information**

**Installation**

## Accessories

## Technical Data

Gas types: Natural gas, LPG (gaseous), biologically produced methane (max. 0,1 vol. % H<sub>2</sub>S) or air; other gases on request.

The gas must be dry in all temperatures and must not condense.

Max. inlet pressure pe:  
max. 500 mbar.

Flow adjustment limits the maximum flow volume between 20 and 100%. The setting can be monitored on an indicator.

Opening time:

VAS../N quick opening: ≤ 0.5 s;

VAS../L slow opening: approx. 10 s.

Closing time:

Quick closing: < 1 s.

Ambient temperature: -20 – 60°C,  
no condensation permitted.

Class A safety valve pursuant to EN 161.

Mains voltage:

230 V AC, +10/-15%, 50/60 Hz;

120 V AC, +10/-15%, 50/60 Hz;

24 V DC, +20/-15%.

Power consumption:

Type	24 V DC [W]	120 V AC [W]	230 V AC [W]
VAS 1	25	32	35
VAS 2	48	59	58
VAS 3	48	59	58

Enclosure: IP 65.

Duty cycle: 100%.

## **Maintanance cycles**

Once per year,  
twice per year in the case of biogas.

# Glossary

## Contacts

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[www.kromschroeder.de](http://www.kromschroeder.de) ► Information ► Contacts