

VAD-VAG-VAH-VAV pressure regulators with solenoid valve

For safeguarding and control of the gas pressure, Class A pressure regulator to EN 88, Class A solenoid valve to EN 161, for gas, air and biologically produced methane, pu max. 500 mbar (7 psig), with pilot lamp, IP 65, FM and CSA approved

Overview



For safeguarding and control of the gas pressure

Features & Benefits:

- Class A pressure regulator to EN 88
- Class A solenoid valve to EN 161, for gas, air and biologically produce d methane
- pu max. 500 mbar (7 psig)
- With pilot lamp
- IP 65
- FM and SA approved
- Size 1
- EU certified
- No inlet flange
- Outlet: DN 15 (1/2") Rp internal thread
- Quick opening, quick closing
- Mains voltage: 24 V DC Electrical connection: M20 cable gland
- Attached to the right side of the connection box: M20 cable gland
- Outlet pressure range: 35-100 mbar
- Valve seat: reduced Accessories, right: pressure switch, 30-110 mbar
- Test point of right-hand pressure switch: outlet pressure Accessories, left: 2 screw plugs

More Information:

- [Technical Information for VAD, VAG, VAH, VAV, VRH, VCD, VCG, VCV, VCH](#)
- [Find products in ProFi for VAD](#)
- [Find products in ProFi for VAG](#)
- [Find products in ProFi for VAH](#)
- [Find products in ProFi for VAV](#)
- [Find spare parts in PartDetective for VAD](#)
- [Find spare parts in PartDetective for VAG](#)
- [Find spare parts in PartDetective for VAH](#)
- [Find spare parts in PartDetective for VAV](#)



- [Calculate nominal diameter DN for VAD](#)
- [Calculate nominal diameter DN for VAG, VRH, VAH](#)
- [Calculate nominal diameter DN for VAV](#)
- [Calculate nominal diameter DN for VAG..N](#)
- [Calculate nominal diameter DN for VCD](#)

Specifications

AIR & COMBUSTION AIR SPECIFICATIONS

Air/Gas Ratio Range

- Turndown up to 10:1
- VAG - 1:1 constant ratio

ELECTRICAL SPECIFICATIONS

Voltage Rating

- 230 VAC, 200 VAC, 120 VAC, 100 VAC, 24 VDC

Switching Frequency

- VAx../L: 2/min
- VAx../N: 30/min
- VAx../R: 6/min

Maintenance Interval

- Once per year; twice per year for biogas

ACTUATION, VALVE & MOTION CONTROL SPECIFICATIONS

Valve Position Indicator

- Blue LED shows energized/open state

Opening Time

- Quick Opening: ≤1 seconds

Closing Time

- Quick Closing <1 seconds

PERFORMANCE, FLOW & CAPACITY

Turndown Ratio

- Up to 10:1

STORAGE/TRANSPORT TEMPERATURES

Storage Temperature

- -20 to +40 deg C (-4 to +104 deg F)

DIMENSIONS & SIZE SPECIFICATIONS

Sizes

- Sizes 1-3 (DN 15-65)

STANDARDS & CERTIFICATIONS

Safety Integrity Levels

- SIL 1/2/3 and PL a-e depending on architecture

Approvals



- CE, UKCA, FM, UL, AGA, ANSI/CSA, REACH, RoHS

OVERVIEW

Product Type

- Pressure regulators with solenoid valve: VAD, VAG, VAH, VAV

PRESSURE SPECIFICATIONS

Pressure Regulation Range

- VAD - 2.5-25, 20-50, 35-100 mbar

DIMENSIONS & WEIGHT

Maximum Installation Height

- 2000 m AMSL

INSTALLATION & MOUNTING SPECIFICATIONS

Installation Effort

- No external impulse line needed; adjustable from two sides

APPLICATIONS & COMPATIBILITY

Gas/Medium Compatibility

- Natural Gas, LPG, Biogas (≤0.1% H2S), Hydrogen, Clean Dry Air

Applications

- Servo-controlled pressure regulators for gas/air with integrated Class A safety shut-off valve

PROCESSING & PERFORMANCE METRICS

Flow Adjustment Range

- 20 to 100%

Duty Cycle

- 100% continuous duty

ENVIRONMENTAL CONDITIONS

Enclosure Rating

- IP65

Ambient Temperature Range

- -20 to +60 deg C (-4 to +140 deg F)

CONNECTIONS & INTERFACES

Electrical Connections

- M20 X 1.5 Cable Gland or En 175301-803 Plug

MATERIAL SPECIFICATIONS

Body Material

- Aluminium housing, Seals: NBR/EPDM depending on type

Filters

▼ CATEGORY

☒ Base Part

☒ Spare Part

▼ TYPE

- ☒ Pressure Regulator
- ☒ Valve Assembly
- ☒ Regulator
- ☒ Flow Regulator
- ☒ Pressure control



Search

Part Number 101037094

Description VLV ASSY, REG, RTO, 2 IN NPT, AIR/GAS, W/SOLN

Category Spare Part

Type Valve Assembly

[Order Online](#)

Part Number KS88000140

Description Pressure Regulator, With Solenoid Valve,

Category -

Type -

[Order Online](#)

Part Number KS88000266

Description VAD120R/NW 100A

Category Base Part

Type Pressure Regulator

[Order Online](#)

Part Number KS88000274

Description VAG 240R/NWAE

Category Base Part

Type Pressure Regulator

[Order Online](#)

Part Number KS88000293

Description VAG350R/NQAE

Category Base Part

Type Pressure Regulator

[Order Online](#)

Part Number KS88001710

Description VAD 115R/NW-50B

Category Spare Part

Type Pressure control

[Order Online](#)

Part Number KS88004626

Description VAG1-/25R/NKAE

Category Base Part

Type Pressure Regulator

[Order Online](#)

Part Number KS88004627

Description VAG2-/40R/NKAE

Category Base Part

Type Pressure Regulator

[Order Online](#)

Part Number	KS88004631
Description	VAG1T15N/NKBA
Category	Base Part
Type	Pressure Regulator
	Order Online

Part Number	KS88004632
Description	VAD1T25N/NK-100A
Category	Base Part
Type	Pressure Regulator
	Order Online

Product Number



Please sign in to view part numbers available for purchase based on your account

Sign In

101037094
VLV ASSY,REG,RTO,2 IN NPT,AIR/GAS,W/SOLN

101037094
VLV ASSY,REG,RTO,2 IN NPT,AIR/GAS,W/SOLN

KS88000140
Pressure Regulator, With Solenoid Valve,

KS88000140
Pressure Regulator, With Solenoid Valve,

KS88000266
VAD120R/NW 100A

KS88000266
VAD120R/NW 100A

KS88000274
VAG 240R/NWAE

KS88000274
VAG 240R/NWAE

KS88000293
VAG350R/NQAE

KS88000293
VAG350R/NQAE

KS88001710
VAD 115R/NW-50B

KS88001710
VAD 115R/NW-50B

KS88004626



VAG1-/25R/NKAE

KS88004626

VAG1-/25R/NKAE

KS88004627

VAG2-/40R/NKAE

KS88004627

VAG2-/40R/NKAE

KS88004631

VAG1T15N/NKBA

KS88004631

VAG1T15N/NKBA

KS88004632

VAD1T25N/NK-100A

KS88004632

VAD1T25N/NK-100A

