



VAT Vakuumventile AG  
CH-9469 Haag, Schweiz

## Product data sheet

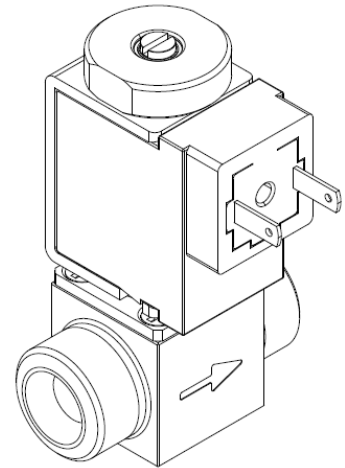
**Gas dosing valve**  
**Series 627, DN 5 (ID 1/5")**  
**Ordering No. 62714-XE64-...3**

# 1 Description

The VAT Gas dosing valve Series 627 offers a fast and reproducible upstream pressure control. A solenoid control mechanism allows a smooth control and provides excellent repeatability and reproducibility.

## 1.1 Advantages

- Fast response time
- Excellent control characteristics
- High reproducibility and repeatability
- Stainless steel housing
- Smooth solenoid drive
- Very compact design
- Optional flange connection
- Closes automatically in case of power failure



sample picture

## 1.2 Applications

- Upstream pressure control for coating processes
- General gas inlet for rough and high vacuum systems

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## 2 Technical data

### 2.1 Specifications

Description	Data
Actuator	Solenoid
Flow range FS	100...5000 sccm @ 1000mbar (differential pressure) 62714-XE64-ABG3 (100 sccm FS) 62714-XE64-ABH3 (500 sccm FS) 62714-XE64-ABI3 (1000 sccm FS) 62714-XE64-ABJ3 (5000 sccm FS)
Control range	1...100% FS 20...70 mA
Tightness	$1.0 \times 10^{-9}$ mbar l/s
Pressure range (outlet)	$1.0 \times 10^{-8}$ ...1000 mbar
Pressure, max. in closing direction	2 bar (abs)
Temperature Operation (ambient) Bakeout (without supply voltage)	+5 ... +50 °C +80 °C
Supply voltage	0...24 VDC
Power consumption	2.5 W
Response time	< 30 ms
Weight (without connection)	96 g
Materials exposed to vacuum	FPM, stainless steel
Protection type	IP51

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### Accessories

Description	No.
DN 10 ISO-KF flange connection	579211
Pipe OD 1/4" connection	579257
Pipe OD 6 mm connection	579292
Other connections	on request
Filter set (10 pcs.)	579255

### Cable

Length	No.
3m	627CV-89LC-000.
5m	627CV-89LE-000.
10m	627CV-89LJ-000.
15m	627CV-89LK-000.
20m	627CV-89LL-000.
25m	627CV-89LX-AIK.

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