

# VDM005A-X

## Solenoid Control Valve

The INFICON solenoid Control Valve VDM005A-X offers a fast and reproducible upstream pressure control. A newly invented solenoid control mechanism allows a smooth control and provides excellent repeatability and reproducibility. The VDMA005A-X is the successor of the former VDMA005-X and can be used as a drop in replacement. Therefore the electrical as well as vacuum connections are exactly the same.



### ADVANTAGES

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

### APPLICATIONS

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

### ORDERING INFORMATION

Type	VDM005A-X
10 sccm	250-508
50 sccm	250-509
100 sccm	250-510
500 sccm	250-511
1000 sccm	250-512
5000 sccm	250-513

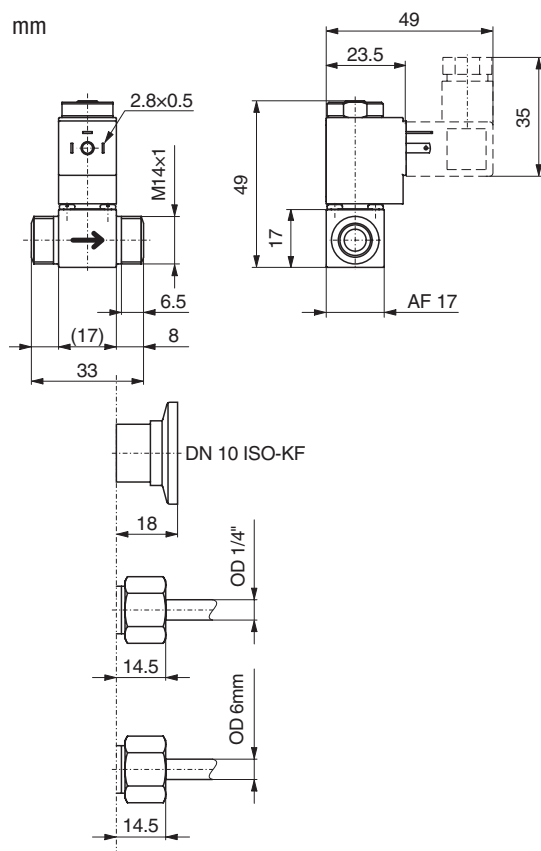
### ACCESSORIES

DN 10 ISO-KF flange connection	250-080
Pipe OD 1/4" connection	250-085
Pipe OD 6 mm connection	250-086
Other connections	on request
Filter set (10 pcs.)	215-519

## SPECIFICATIONS

			VDM005A-X
Actuator			solenoid
Control range	% FS		1 ... 100
	mA		20 ... 70
Tightness	mbar l/s		$1.0 \times 10^{-9}$
Pressure range (outlet)	mbar		$1.0 \times 10^{-8}$ ... 1000
Pressure, max. in closing direction	bar		2
Temperature			
Operation (ambient)	°C		+5 ... +50
Bakeout (without supply voltage)	°C		+80
Supply voltage	V DC		0 ... 24
Power consumption	W		2.5
Response time	ms		< 30
Weight (without connection)	g		96
Materials exposed to vacuum			FPM, stainless steel
Protection type			IP51

## DIMENSIONS



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### GLOBAL HEADQUARTERS:

Two Technology Place, East Syracuse, NY 13057 USA  
 Tel: +1.315.434.1100 Fax: +1.315.437.3803 E-mail: reachus@inficon.com

UNITED STATES FRANCE GERMANY LIECHTENSTEIN SWITZERLAND UNITED KINGDOM CHINA JAPAN KOREA SINGAPORE TAIWAN

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