

Technical Data Sheet M-DS 201

GVT.

2/2-way solenoid valve - valve normally closed (NC)
- valve normally open (NO)

Solenoid valve for clean, neutral, gaseous and liquid media

- For general purposes
- Pressure difference is required
- High life time
- Reliable and sturdy sealing elements
- Long-term availability of spare parts
- High-quality materials

TECHNICAL SPECIFICATIONS

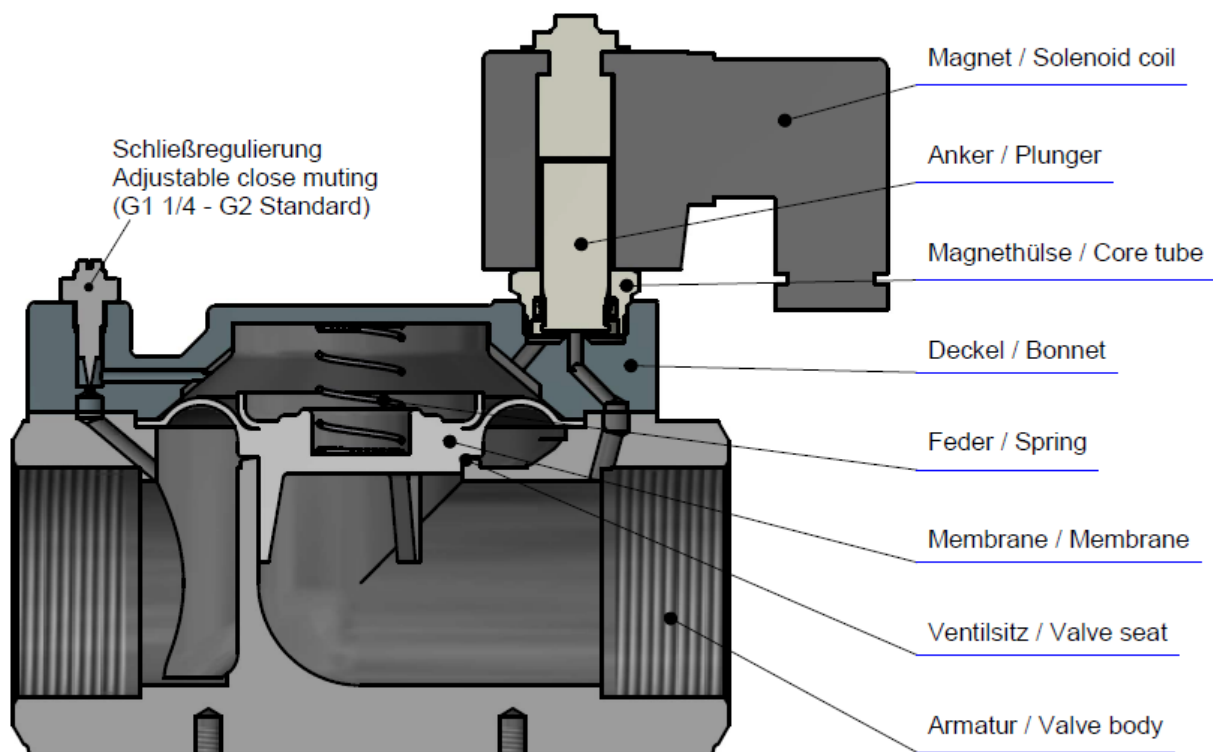
Type of control:	Pilot operated, pressure difference requ.	Supply voltage:	AC 50/60Hz 24V, 110V, 230V DC 0Hz 12V, 24V
Design:	Diaphragm design	Voltage tolerance:	-10% / +10%
Connection:	Threaded G 1/4 - G 2 DIN ISO 228 (BSP) <i>Further connections on request</i>	Consumption:	A01 = 6.8 Watt E01 = 5.2 Watt A02 = 11 Watt E03 = 10 Watt A03 = 18 Watt
Installation:	Actuator preferable upright	Protection class:	IP 65 acc. to DIN 60529
Pressure:	0.3 - 20 bar	Duty factor:	100% ED - VDE 0580
Medium:	Clean, neutral, liquid or gaseous	Connection type:	Plug / 3m cable
Viscosity:	22 mm ² /s	Funktion:	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>NC</p> </div> <div style="text-align: center;"> <p>NO</p> </div> </div>
Temperature range:	Medium: -10 °C up to +80 °C Ambient: -10 °C up to +50 °C	Certificates:	
Body material	Brass 2.0402 Stainless steel 1.4581 (AISI 316Ti)	Ex-proof:	acc. to directive 2014/34/EG (ATEX)
Metallic inner parts:	Brass and stainless steel		
Sealing:	NBR, FKM, EPDM		

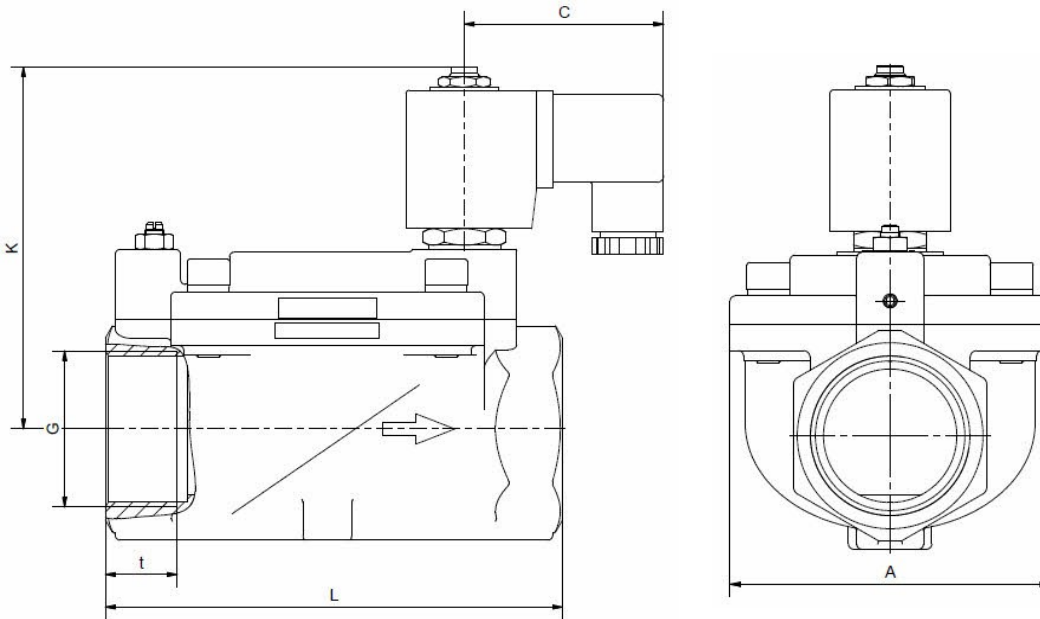
ORDERING SYSTEM

M-DS	2	01	G	D	13.5	A	A	A03	NO
Type	Control type	Code	Connection type	Connection size	Nominal diameter mm	Body material	Sealing material	Actuator type	Option
	2 pilot operat.		G BSP N NPT	B 1/4 C 3/8 D 1/2 E 3/4 F 1 G 1 1/4 H 1 1/2 I 2		A Brass C AISI316	A NBR B FKM C EPDM	A standard E ex.-proof	

Standard NC type	Seat ϕ mm	Kv-value m^3/h	max. pressure			max. pressure ATEX		
			A01	A02	A03-NO	E01	E02	E02-NO
M-DS 201 GB	13.5	1.6	0.3-20	0.3-20	0.3-20	0.3-10	0.3-20	0.3-20
M-DS 201 GC	13.5	3.3	0.3-20	0.3-20	0.3-20	0.3-10	0.3-20	0.3-20
M-DS201 GD	13.5	3.8	0.3-20	0.3-20	0.3-20	0.3-10	0.3-20	0.3-20
M-DS 201 GE	27.5	11.0	0.3-16	0.3-20	0.3-20	0.3-10	0.3-20	0.3-20
M-DS 201 GF	27.5	13.0	0.3-16	0.3-20	0.3-20	0.3-10	0.3-20	0.3-20
M-DS 201 GG	40.0	30.0	-	0.5-16	0.5-16	-	0.5-16	-
M-DS 201 GH	40.0	22.0	-	0.5-16	0.5-16	-	0.5-16	-
M-DS 201 GI	50.0	45.0	-	0.5-16	0.5-16	-	0.5-16	-

Valve design





Coil	A01 / E01				
Type	M-DS 201 GB	M-DS 201 GC	M-DS 201 GD	M-DS 201 GE	M-DS 201 GF
G	1/4	3/8	1/2	3/4	1
A	48	48	48	70	70
C	51	51	51	51	51
K	75	75	75	87	87
L	67	67	67	96	96
t	12	12	12	16	16
kg	0.9	0.9	0.8	1.7	1.5

Coil	A02 / A03 / E02							
Type	M-DS 201 GB	M-DS 201 GC	M-DS 201 GD	M-DS 201 GE	M-DS 201 GF	M-DS 201 GG	M-DS 201 GH	M-DS 201 GI
G	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
A	48	48	48	70	70	96	96	112
C	61	61	61	61	61	61	61	61
K	90	90	90	102	102	110	110	120
L	67	67	67	96	96	140	140	140
t	12	12	12	16	16	22	22	22
kg	0.9	0.9	0.8	1.7	1.5	3.1	2.9	4.0

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