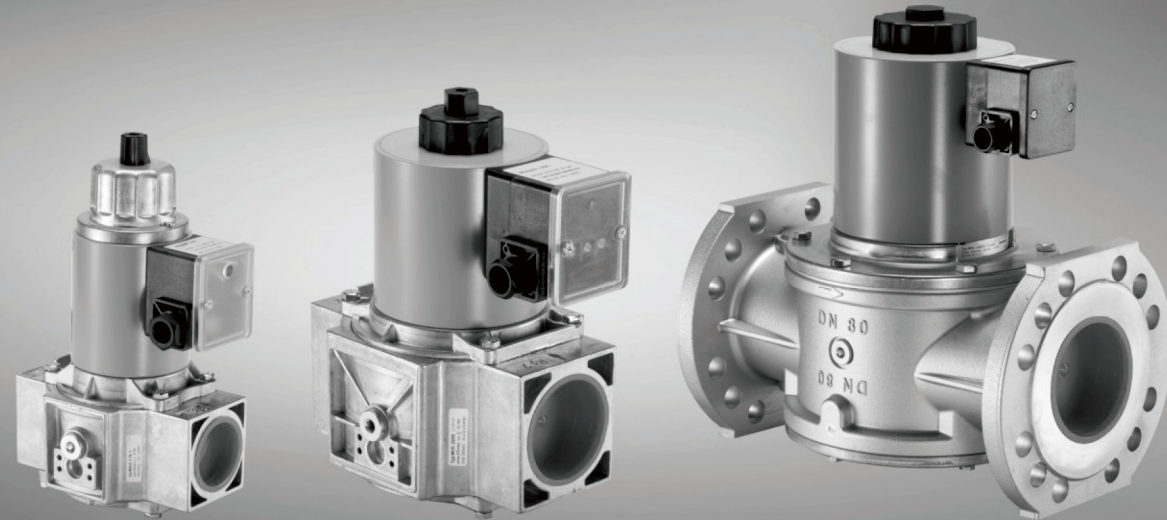


# Sudick

## Gas Single-Stage Solenoid Valve MVD/MVDLE



### Overview

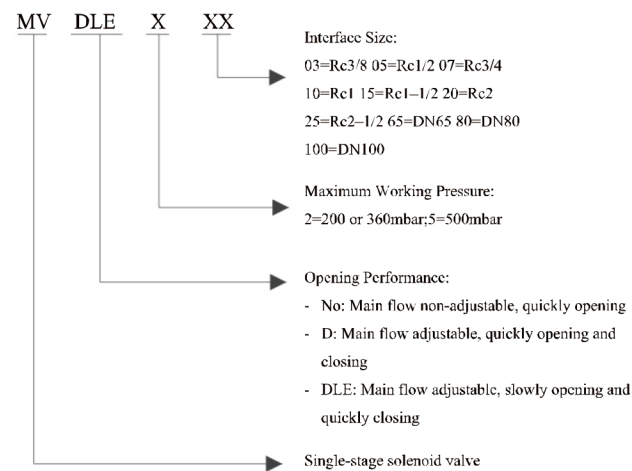
The MVD/MVDLE series gas solenoid valves are primarily designed for gas burners and gas equipment:

- Maximum operating pressures of 200, 360, or 500 mbar (equivalent to 20, 36, or 50 KPa)
- Fail-safe closure (normally closed type)
- MVD: Quickly opening
- MVDLE: Slowly opening with an adjustable initial gas flow quickly opening stroke regulator
- Adjustable main flow (for MVD/MVDLE)
- Compliant with ISO 701 for pipe threads and ISO 7005 for flange connections
- Durable, robust, and maintenance-free

### Applications

These solenoid valves are mainly applied in gas burners and gas equipment to perform safety, limiting, shut-off, and gas input opening functions. The MVD/MVDLE series solenoid valves are suitable for gases of categories 1, 2, and 3, as well as neutral gas media.

### Product Model Description



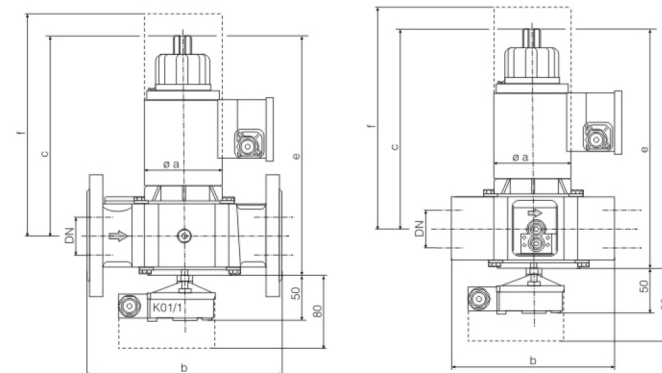
### Technical Specifications

MVD	Single-stage electromagnetic valve, no power off, quick opening, quick closing, main flow adjustable.
MVDLE	Single-stage electromagnetic valve, no power off, slow opening, quick closing. With adjustable opening time and quick opening stroke, main flow adjustable.
Medium	1, 2, 3 gas series and other inert gas mediums
Ambient Temperature	-15°C to +60°C
Connection Interface	10 15 20 25 32 4 050 65 80 100 125 150 Rp 3/8 1/2 3/4 1 1-1/4 1-1/2 2 2-1/2
Maximum Working Pressure	200mbar (20kPa), 360mbar (36kPa) or 500mbar (50kPa)
Pressure	specific model refer to general table
Electromagnetic Valve	A grade, 2 types, single-stage working mode
Closing Time	<1S
Opening Time	<1S. MVDLE slow opening series at 20°C and no quick opening stroke total opening time is about 20S
Housing Material	Housing: steel, copper, brass
Voltage/Power	AC50-60 Hz, 220-230V, -15% +10%
Power refer to model general table	
Protection Degree	IP54
Electrical Connection	Screw terminal, electromagnetic valve special plug terminal optional
Pressure Monitor Connection	Working status display: LED indicator light blue for working status
Action Frequency	Inlet pressure area thread G1/4, from DN40 flange inlet side is G3/4
	MVDLE series: maximum 100 times/h
Filtration Performance	Built-in screen filter, mesh size 1MM
Installation Position	Electromagnetic valve vertical to horizontal installation, refer to operation and installation manual for details

### Product External Dimensions (Unit: mm)

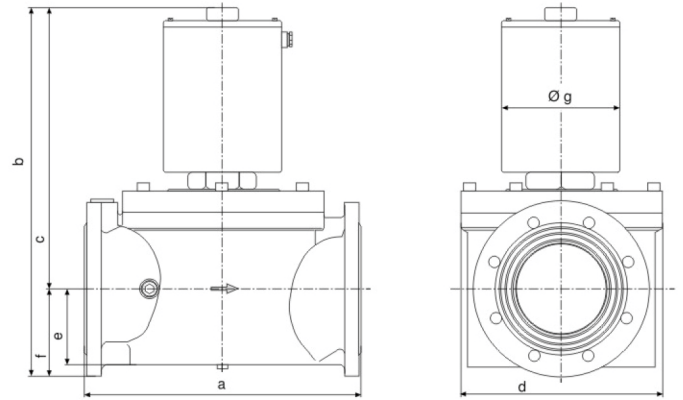
#### 205-220 Installation Dimensions:

#### Installation Dimensions (mm)



Maximum Width: d

### Installation Dimensions (mm)



### Model Summary Table

Model	Pmax [mbar/MPa]	DN	Coil Code [AV]	Power [W] (-20%)	Current [A]	Switching Time	Installation Dimensions						Weight [kg]
							a	b	c	d	e	f	
MVD205	360	Rp1/2	100	17	0.08	<1S	50	80	90	75	113	150	1
MVD207	360	Rp3/4	200	30	0.15	<1S	75	100	135	85	160	200	2.4
MVD210	360	Rp1	200	30	0.15	<1S	75	110	135	85	165	200	2.45
MVD215	200	Rp1	280	60	0.26	<1S	80	150	170	116	215	255	4.4
MVD220	200	Rp2	300	65	0.3	<1S	95	150	170	116	215	260	6.2
MVDE205	360	Rp1/2	100	17	0.08	ca.20s	50	80	130	75	155	200	1.1
MVDE207	360	Rp3/4	200	30	0.15	ca.20s	75	100	165	85	190	190	2.75
MVDE210	360	Rp1	200	30	0.15	ca.20s	75	110	165	90	200	190	4.4
MVDE215	200	Rp1/2	280	60	0.26	ca.20s	80	150	205	116	245	255	4.4
MVDE220	200	Rp2	300	65	0.3	ca.20s	95	170	205	130	250	255	6.2
MVD505	500	Rp1/2	100	17	0.08	<1S	50	80	90	75	113	150	2.4
MVD507	500	Rp3/4	200	30	0.15	<1S	75	100	135	85	160	200	2.45
MVD510	500	Rp1	200	30	0.15	<1S	75	110	135	90	165	200	2.45
MVD515	500	Rp1/2	380	65	0.3	<1S	95	150	170	116	215	260	2.5
MVDE507	500	Rp3/4	200	30	0.15	ca.20s	75	100	165	85	190	190	2.75
MVDE205	200	Rp1/2	400	100	0.15	<1S	115	290	221	185	315	330	12.7
MVDE208	200	Rp1/2	500	90	0.42	<1S	130	310	250	200	340	375	18.5
MVDE2065	500	DN65	500	90	0.42	ca.20s	115	290	221	185	315	330	13.3
MVDE2080	500	DN80	550	100	0.5	ca.20s	130	310	320	200	405	375	27
MVD5065	500	DN65	500	90	0.42	<1S	130	290	245	190	340	370	17
MVD5080	500	DN80	550	100	0.5	<1S	150	310	295	200	385	465	27

### Pressure and Flow Curve Chart

