

# Safety solenoid valve, ignition gas valve

## MV 502

6.21

**DUNGS**<sup>®</sup>  
Combustion Controls



### Technical description

The DUNGS safety solenoid valve MV 502 is a single-stage automatic shut-off valve as per EN 161 for gas burners and gas appliances.

- Max. operating pressure up to 500 mbar (50 kPa)
- Class A, Group 2 as per EN 161
- normally closed
- Fast opening
- Fast closing
- DC solenoid, rectifier wiring and radio interference suppression integrated in solenoid housing
- Electrical connection by plug connection as per DIN EN 175 301-803 or fixed connected connection cable (1.300 mm)
- Optionally with tube screw union or Rp 1/4 thread connection

- Reliable function, rugged and maintenance-free

### Application

The MV 502 solenoid valves are suitable for shutting off and releasing gases of families 1, 2, 3 and other neutral gaseous media.

The MV 502 is used as ignition or start gas valve.

### Approvals

EC type test approval as per EC Gas Appliance Directive:

MV 502 CE-0085AQ 0674

EC type test approval as per EC Pressure Equipment Directive:

MV 502 CE 0036

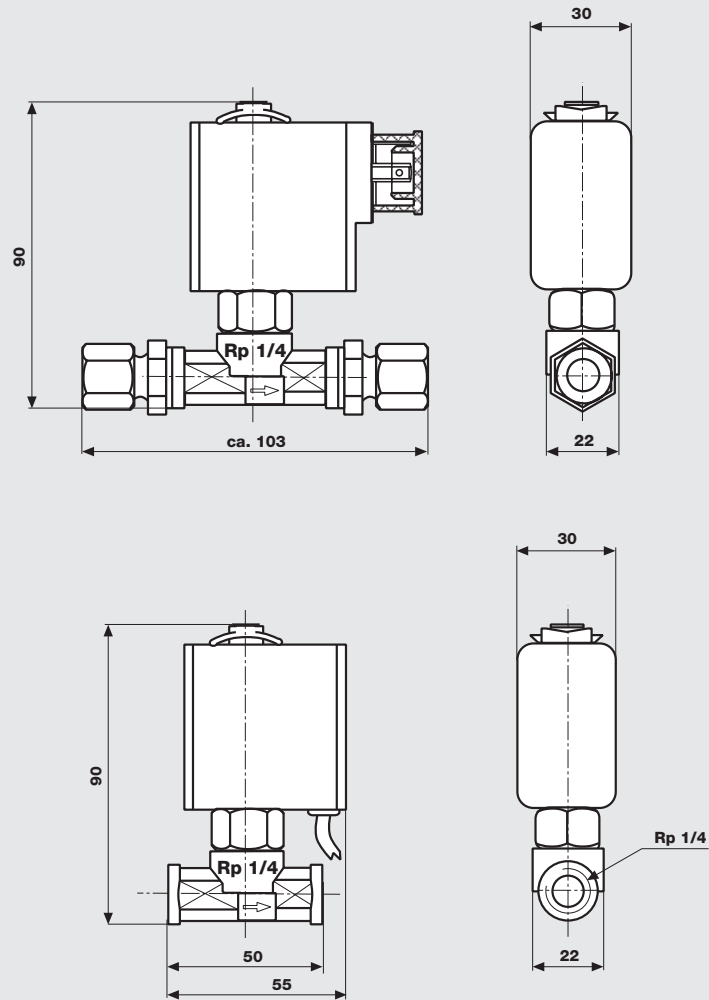
Approvals in other important gas consuming countries.

**MV 502** Single-stage solenoid valve, normally closed, fast opening, fast closing.

## Specifications

Nominal diameter	DN 8
Connection	Rp 1/4 thread connection as per ISO 7-1 or GE 8 - PL/R 1/4 tube screw union for 8 dia. The flow direction is marked by an arrow on the housing
Max. operating pressure	0.5 bar (50 kPa)
Closing time	< 1 s
Opening time	< 1 s
Materials of gas-conveying parts	Housing: brass, steel, NBR, POM Seals: NBR basis
Voltage / frequency	50-60 Hz, 230 V - 240 V AC - 15% +10% Other voltages on request
Switch-on duration	100 % ED
Degree of protection	IP 54 as per IEC 529 (EN 60 529)
Electrical connection	Solenoid with fixed connection cable (1300 x 3 x 0.75 mm) or plug connection as per DIN EN 175 301-803
Switching rate	Max. 1000/h
Dirt trap	Sieve installed, mesh width 1 mm
Ambient temperature	-15°C to +60°C
Installation position	Solenoid from vertically upright to horizontally lying

## Dimensions [mm]



Type	DN / Rp	P <sub>max.</sub> [VA]	I <sub>max.</sub> ~ (AC) 230 V	Opening time	Weight [kg]
MV 502	DN 8 / Rp 1/4	5	0.03	< 1 s	0.20

### MV 502 type overview

Type	P <sub>max.</sub> [bar]	Voltage	Plug connection for line sockets <sup>1)</sup> as per DIN 175 301-803	Cable length: 1.300 mm	Tube screw union (for 8 dia.)	Rp 1/4 thread con- nection	Order No.
MV 502	0.5	~ (AC) 230 V - 240 V	•	--	-	•	215 953
MV 502	0.5	~ (AC) 230 V - 240 V	•	--	•	--	218 971
MV 502	0.5	~ (AC) 230 V - 240 V	--	•	--	•	218 974
MV 502	0.5	~ (AC) 230 V - 240 V	--	•	•	--	218 973

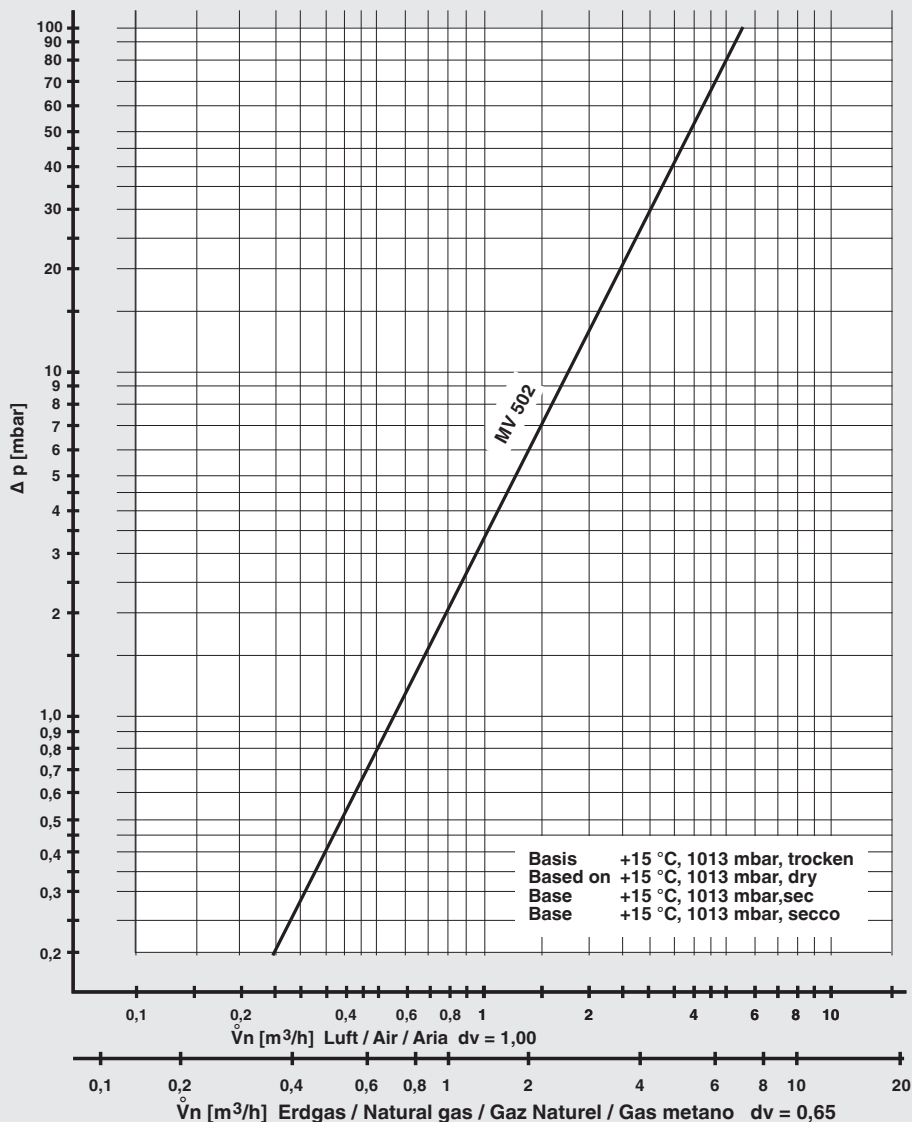
• standard

-- cannot be supplied

<sup>1)</sup> Please order line socket (black), Order No. 231 782, separately

Safety solenoid valve,  
ignition gas valve  
MV 502

Flow diagram



We reserve the right to make any changes in the interest of technical progress.

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