

Safety solenoid valve, ignition gas valve

MV 502

6.21

DUNGS®
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

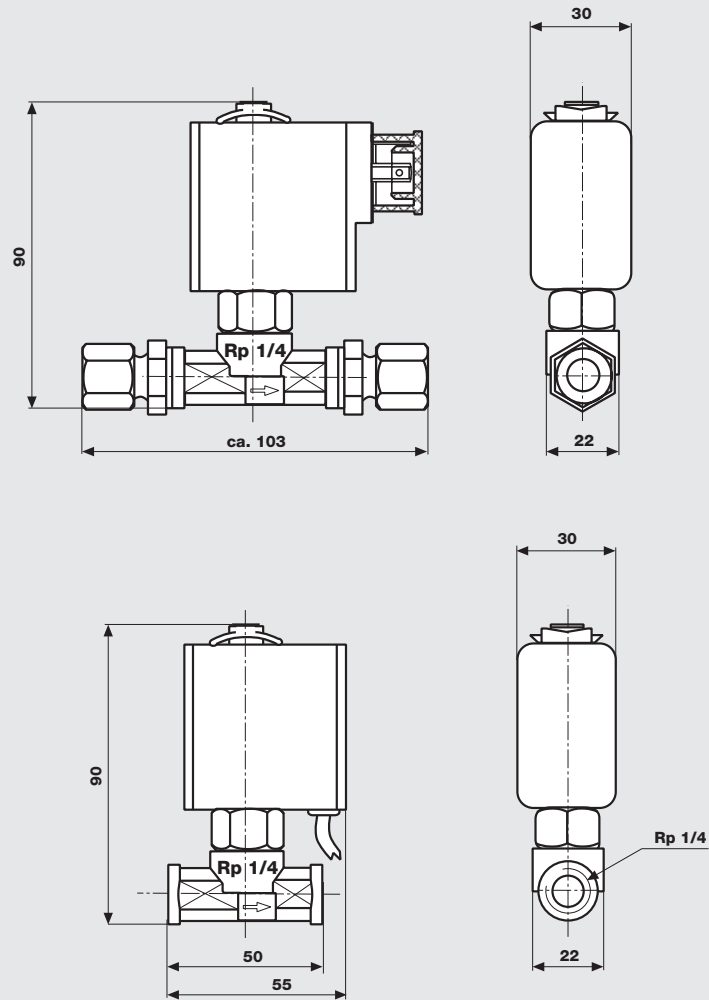
Approvals in other important gas consuming countries.

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 _{max.} [VA]	I _{max.} ~ (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

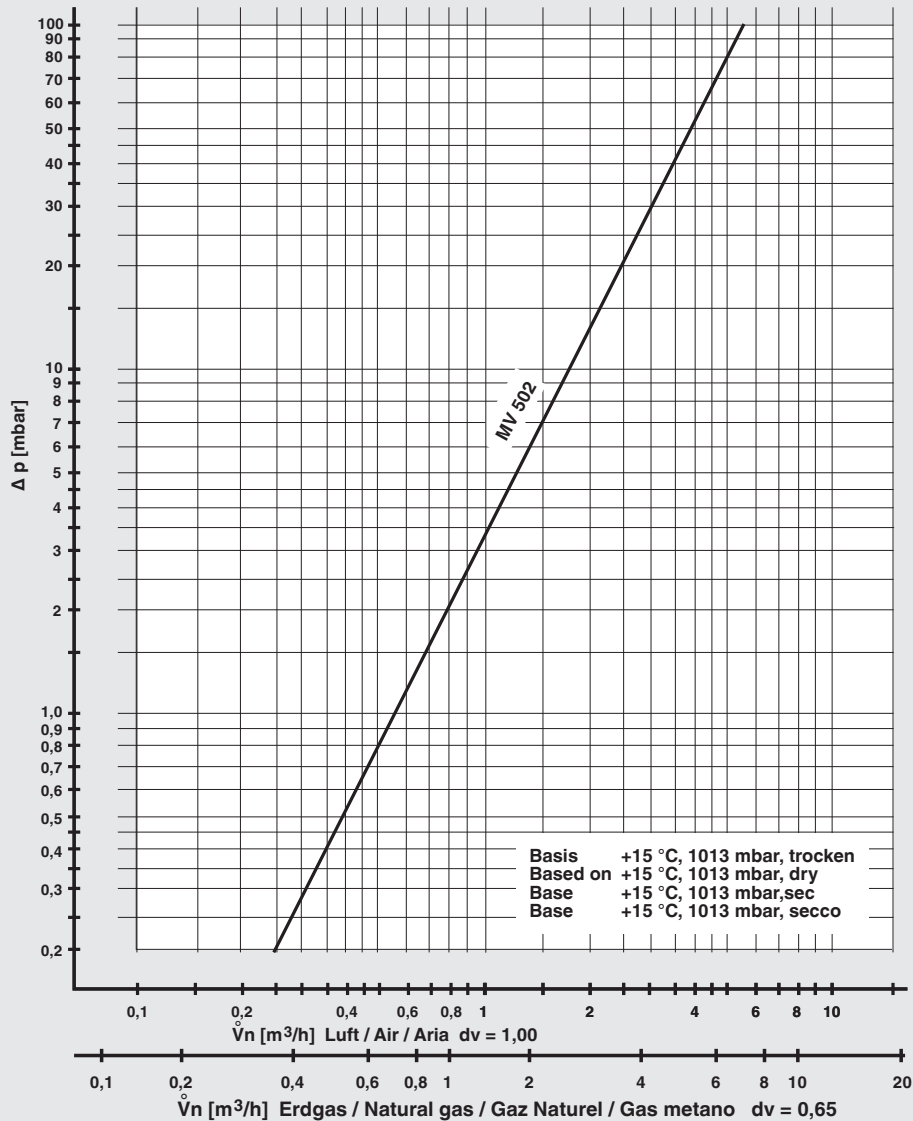
Type	P _{max.} [bar]	Voltage	Plug connection for line sockets ¹⁾ as per DIN 175 301-803	Cable length: 1.300 mm	Tube screw union (for 8 dia.)	Rp 1/4 thread con- nection	Order No.
MV 502	0.5	~ (AC) 230 V - 240 V	•	--	-	•	215 953
MV 502	0.5	~ (AC) 230 V - 240 V	•	--	•	--	218 971
MV 502	0.5	~ (AC) 230 V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

• standard

-- cannot be supplied

¹⁾ Please order line socket (black), Order No. 231 782, separately

Flow diagram



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

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