




LPG MULTIVALVES

DESIGNED    IN ITALY
& MANUFACTURED

DESIGNED & MANUFACTURED IN ITALY

> MULTIFUNCTIONAL VALVES FOR AUTOMOTIVE LPG TANKS

- AVAILABLE FOR ALL TYPES OF TANKS
- ACCURATE CNC MACHINING
- HI-TECH ASSEMBLY PROCESSES
- 100% AUTOMATICALLY TESTED & CALIBRATED
- 1 MILLION PCS/YEAR PRODUCTION CAPACITY

LPG MULTIVALVES

Core business of the Company, produced with Tomasetto Achille trademark and with the trademarks of some of the most important LPG systems manufacturers

Model **AT02**

STANDARD

EXTRA

HOMOLOGATED IN ACCORDANCE WITH THE LATEST EUROPEAN REGULATION ECE 67R-01 AND ECE R10

Model **AT00**

IN CONFORMITY WITH PREVIOUS EUROPEAN REGULATION ECE 67R-00

STANDARD

EXTRA



> LPG MULTIVALVES

Model **AT02**

ALL TOMASETTO MULTIVALVES ARE MANUFACTURED THROUGH HIGH-TECH PROCESSES AND 100% TESTED AND CALIBRATED

SAFETY DEVICES

- high flow pressure relief valve (PRV)
- pressure relief device (PRD)
- solenoid valve at outlet
- 80% filling limiter
- excess flow valve
- double non-return valve at inlet
- manual (service) valve at outlet
- level indicator (electronic upon request)

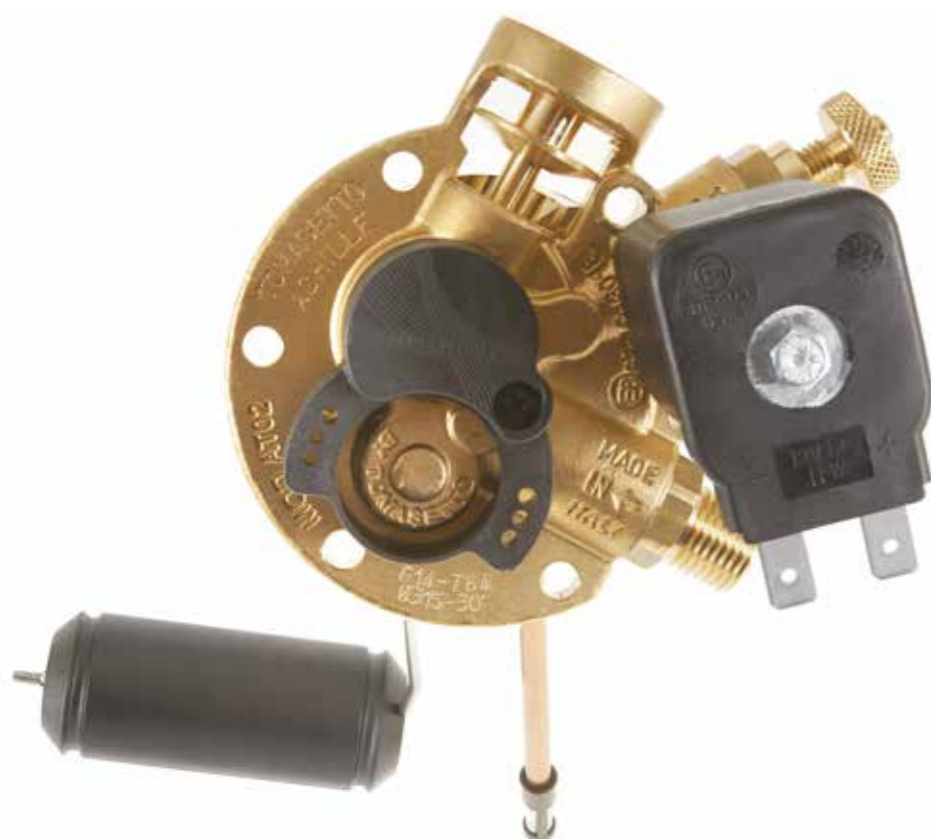
Main product of the company, leading product on the market. Several bonfire tests brilliantly passed with all major tank manufacturers. Available for 0°, 30°, 90° cylindrical tanks, 30° internal toroidal tanks and 0° external tanks; available also in "left" configuration for 30° cylindrical tanks; versions for special tanks available upon request. Supplied with electrical wire for coil connection, sensor holder (sensor installed upon request) and mounting accessories.

→ STANDARD VERSION WITHOUT FILLING POINT (.1)

Standard version, with the accessories bag MVAT3223 or MVAT3225, containing only the multivalve's fixing accessories

→ VERSION WITH DOOR FILLING POINT (.P) OR BUMPER

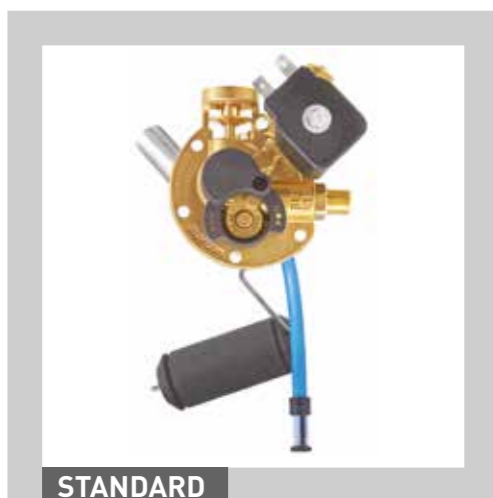
with the accessories bag containing the multivalve's fixing accessories and gasoline door filling point with Italian adapter or gasoline filling point for bumper (only on demand)





> LPG MULTIVALVES

Model **AT02**



STANDARD

WITH 6MM OUTLET FITTING AND NORMAL INTERNAL PASSAGES



EXTRA

WITH 8MM OUTLET FITTING AND LARGER INTERNAL PASSAGES

AVAILABLE SIZES:

cylindrical tank at 0°, 30° and 90°: 200-244-270-300-315-360-400-450 mm diameter
 toroidal tank at 30° and 0°: 145-180/190-200/204-220/225-230-240-250-270-300-330 mm height
 other sizes available upon request

TECHNICAL DATA

| | STANDARD | EXTRA |
|--------------------------|--|--|
| Material | Hot forged brass | Hot forged brass |
| Weight | 0.9 kg | 0.9 kg |
| PRV setting | 2.7 MPa (27 bar) ** | 2.7 MPa (27 bar) ** |
| PRD setting | 120 ± 10 °C | 120 ± 10 °C |
| PRV flow rate* | 23.4 Nm ³ /min | 23.4 Nm ³ /min |
| PRD flow rate* | 4.4 Nm ³ /min | 4.4 Nm ³ /min |
| Filling speed | 18 lt/min @ 10 bar | 18 lt/min @ 10 bar |
| Inlet connection | 1/4 gas | 1/4 gas |
| Outlet connection | M10x1 pipe ø 6 mm | M12x1 pipe ø 8 mm |
| Coil power | 11 W | 17 W |
| Coil voltage | 12V DC *** | 12V DC *** |
| Coil connection | Faston - AMP superseal (for toroidal 0°) | Faston - AMP superseal (for toroidal 0°) |
| Solenoid valve type | normal | piloted |
| Automatic 80% level stop | yes | yes |
| Excess flow valve | yes | yes |
| Outlet manual valve | yes | yes |
| Level sensor | level sensor holder (sensor on request) | level sensor holder (sensor on request) |

* Values referred to the homologation tests
 ** different settings available on request
 *** 24V DC upon request

HOMOLOGATIONS

Ⓔ8 67R-013018

Ⓔ8 10R-036564

INDIAN CCOE APPROVED





> LPG MULTIVALVES

Model **AT00**

ALL TOMASETTO MULTIVALVES ARE MANUFACTURED THROUGH HIGH-TECH PROCESSES AND 100% TESTED AND CALIBRATED

SAFETY DEVICES

- high flow pressure relief valve (PRV)
- 80% filling limiter
- excess flow valve
- non-return valve at inlet
- manual (service) valve at outlet
- level indicator (electronic upon request)

The multivalve for LPG tanks, model AT00, is the newest version of the former model MTE88, in conformity with the previous European Regulation ECE 67R-00. Model AT00 is available for the most common types of LPG tanks (cylindrical and toroidal). A "left" configuration for some cylindrical versions is also available and, upon request, personalized multivalves can be provided as well.

→ STANDARD VERSION WITH FILLING POINT

Standard version with multivalve's fixing accessories and Italian type filling valve ("bumper" version).

OTHER CONFIGURATIONS AVAILABLE UPON REQUEST





> LPG MULTIVALVES

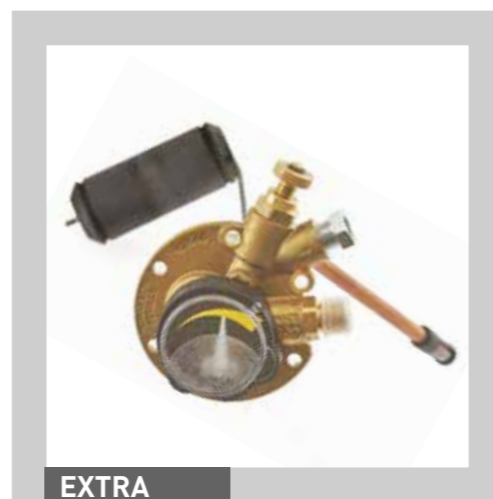
Model **AT00**

TECHNICAL DATA



STANDARD

WITH 6MM OUTLET FITTING AND NORMAL INTERNAL PASSAGES



EXTRA

WITH 8MM OUTLET FITTING AND LARGER INTERNAL PASSAGES

| | STANDARD | EXTRA |
|--------------------------|---------------------------|---------------------------|
| Material | Hot forged brass | Hot forged brass |
| Weight | 0.65 kg | 0.65 kg |
| PRV setting | 2.5 MPa (25 bar)** | 2.5 MPa (25 bar)** |
| PRV flow rate* | 23.4 Nm ³ /min | 23.4 Nm ³ /min |
| Filling speed | 18 lt/min @ 10 bar | 18 lt/min @ 10 bar |
| Inlet connection | 1/4 gas | 1/4 gas |
| Outlet connection | M10x1 / pipe Ø6 mm | M12x1 / pipe Ø8 mm |
| Automatic 80% level stop | yes | yes |
| Excess flow valve | yes | yes |
| Outlet manual valve | yes | yes |
| Level Sensor | mechanical | mechanical |

* Values referred to the homologation tests
 ** other settings upon request

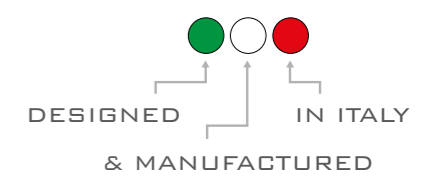
AVAILABLE SIZES:

cylindrical tank at 0° and 30°: 200-244-270-300-315-360-400-450 mm diameter
 toroidal tank at 30° and 0°: 145-180/190-200/204-220/225-230-240-250-270-300-330 mm height
 other sizes available upon request

HOMOLOGATIONS

IN CONFORMITY WITH PREVIOUS EUROPEAN REGULATION ECE 67R-00

LPG ACCESSORIES



Filling valves mod.AT08

Gas-tight housings



CMAT0005

Gas-tight Housing mod.AT03 Tomasetto for MV 67R-01/67R-00



CMAT0006

Gas-tight Housing mod.AT03 67R-01 Tomasetto for MV cyl.90°



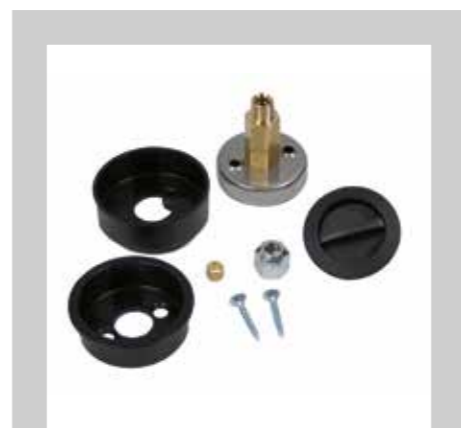
CMAT0008

Gas-tight Housing MV 67R-01 cyl.90° Extra Kit



MVAT3300

AT08 Filling point kit with metal shaft



MVAT3311

Filling point kit ITALIA with plastic box



MVAT3302

Gasoline door filling point kit ITALIA



CMAT0010

Protection cap MV 67R-01/67R-00 tor.0°



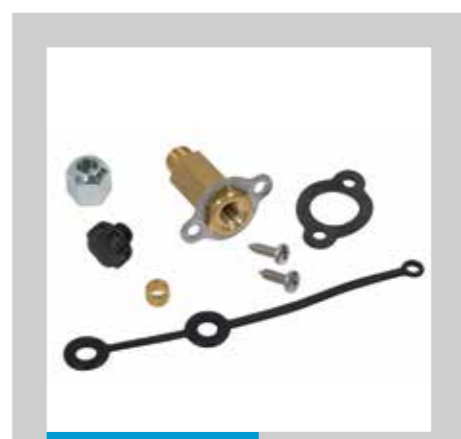
CMT4103

Venting connector [hose d.30]



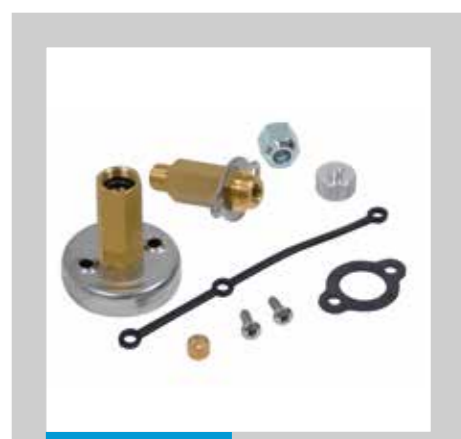
MVAT3306

Gasoline door filling point kit ITALIA Long



MVAT3302.2

Gasoline door internal filling point

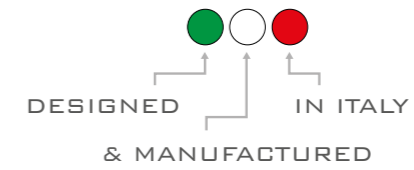


MVAT3303

Gasoline door filling point kit ITALIA Extra



LPG ACCESSORIES



Filling valves mod.AT08



MVAT3307

Gasoline door filling point kit ITALIA long v. Extra



MVAT3303A

Gasoline door filling point kit ACME Extra



MVAT3303B

Gasoline door filling point kit BAYONET Extra



MVAT3302.1

Gasoline door adapter ITALIA for filling point 67R-013868



MVAT3302.15

Gasoline door adapter ITALIA Long for filling point 67R-013868



MVAT3207

Gasoline door adapter ACME Short for filling point 67R-013868



MVAT3303E

Gasoline door filling point kit EURO Extra



MVAT3302.3

Gasoline door adapter ACME v.M10 for filling point 67R-013868



MVAT3302.4

Gasoline door adapter BAYONET v.M10x1 for filling point 67R-013868



MVAT3302.61

Gasoline door adapter EURO v.M10x1 for filling point 67R-013868



LPG ACCESSORIES

Filling valves mod.AT08

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MVAT3215

Fixing metal shaft with mounting screws



MVAT3216

Filling point plastic box kit with mounting screws



MVAT3223

MV accessories bag



MVAT3321

Complete MV accessories bag with filling point/
metal shaft



MVAT3322

Complete MV accessories bag with filling
point/plastic box tor.0°



MVAT3308

Gasoline door filling point bracket kit



MVAT3225

MV accessories bag tor.0°



MVAT3320

Complete MV accessories bag with filling
point/plastic box



MVAT3309

Gasoline door filling point holder kit

LPG ACCESSORIES

Others

Others

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MV3215

Double conical joint d.8



MV3217

Double conical joint d.6



MV3216

Zinc-plated fitting M10x1 d.6



MVAT2016

MV 60° swivel inlet fitting



MVAT4054

MV swivel inlet fitting 1/4 gas



MVAT4055

MV swivel outlet fitting M10x1



MVAT3705

Zinc-plated fitting M12x1 d.8



MVAT3159

Fixing nut 1/4 gas ac17



MVAT3842

Brass fixing nut 1/4 gas ac17



MVAT2056

MV adapter Kit for 8mm tube



MVAT2087

Filling point fitting M16x1.5 M10 with O-ring

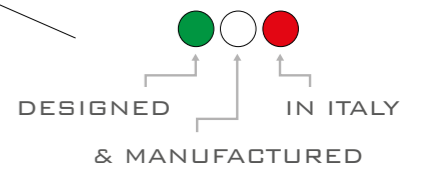


MVAT3988

MV electronic sensor holder

LPG ACCESSORIES

Others



MVAT3217

MV pointer and glass kit



MVAT3604

Filling point plastic cap



MVST3210

Filling point plastic cap with connector



MVAT2097

Gasoline door adapter bag MOD.EVA



MVAT2099

Goniometer (for tank inclination)



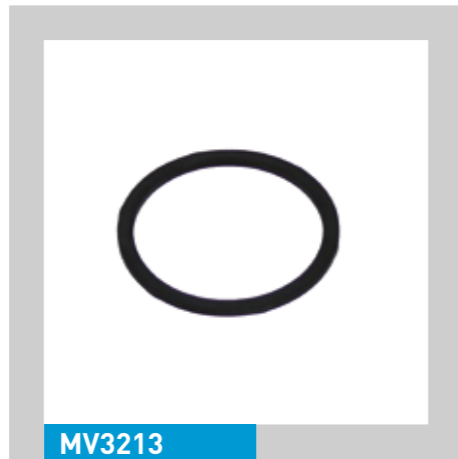
MVAT3578

Coil 12V 11W black FASTON



MVAT4060

Filling point plastic cap with clamp v.M10



MV3213

Gasket for AT00 multivalve



MVAT3122

Gasket for AT02 multivalve



MVAT3579

Coil 12V 11W black AMP



MVAT3752

Coil 12V 17W blue FASTON



MVAT3755

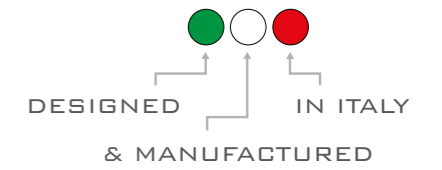
Coil 12V 17W AMP



LPG ACCESSORIES

Others

Electronic sensors



MVAT3751

Coil 24V 11W grey FASTON



MVAT3513

AMP super-seal solenoid wire mt.6



MVAT3514

FASTON solenoid valve wire mt.6



AEB1050

Complete electronic level sensor AEB1050



AEB1090

Complete electronic level sensor AEB1090



S1050T-0

Complete electronic level sensor type 1050



RMAT2171

AT02 Standard solenoid valve maintenance kit



MVAT2082-C

AT02 Extra solenoid valve maintenance kit



S1090T-0

Complete electronic level sensor type 1090 0-90 ohm

> SOLENOID VALVES

Model **EVG01**

LPG CUT-OFF VALVE

MAIN FEATURES

- brass body
- high-efficiency internal filter
- inlet and outlet connections M10x1 for 6 mm pipes

TECHNICAL DATA

| | |
|---------------------|------------------|
| Material | Hot forged brass |
| Weight | 0.5 kg |
| Working temperature | -20 °C / +120 °C |
| Coil voltage | 12 V DC |
| Coil power | 11 W |
| Coil connection | Faston * |

* AMP superseal upon request

Maintenance kit code EGAT2050



> SOLENOID VALVES

Model **EB01**

GASOLINE CUT-OFF VALVE

MAIN FEATURES

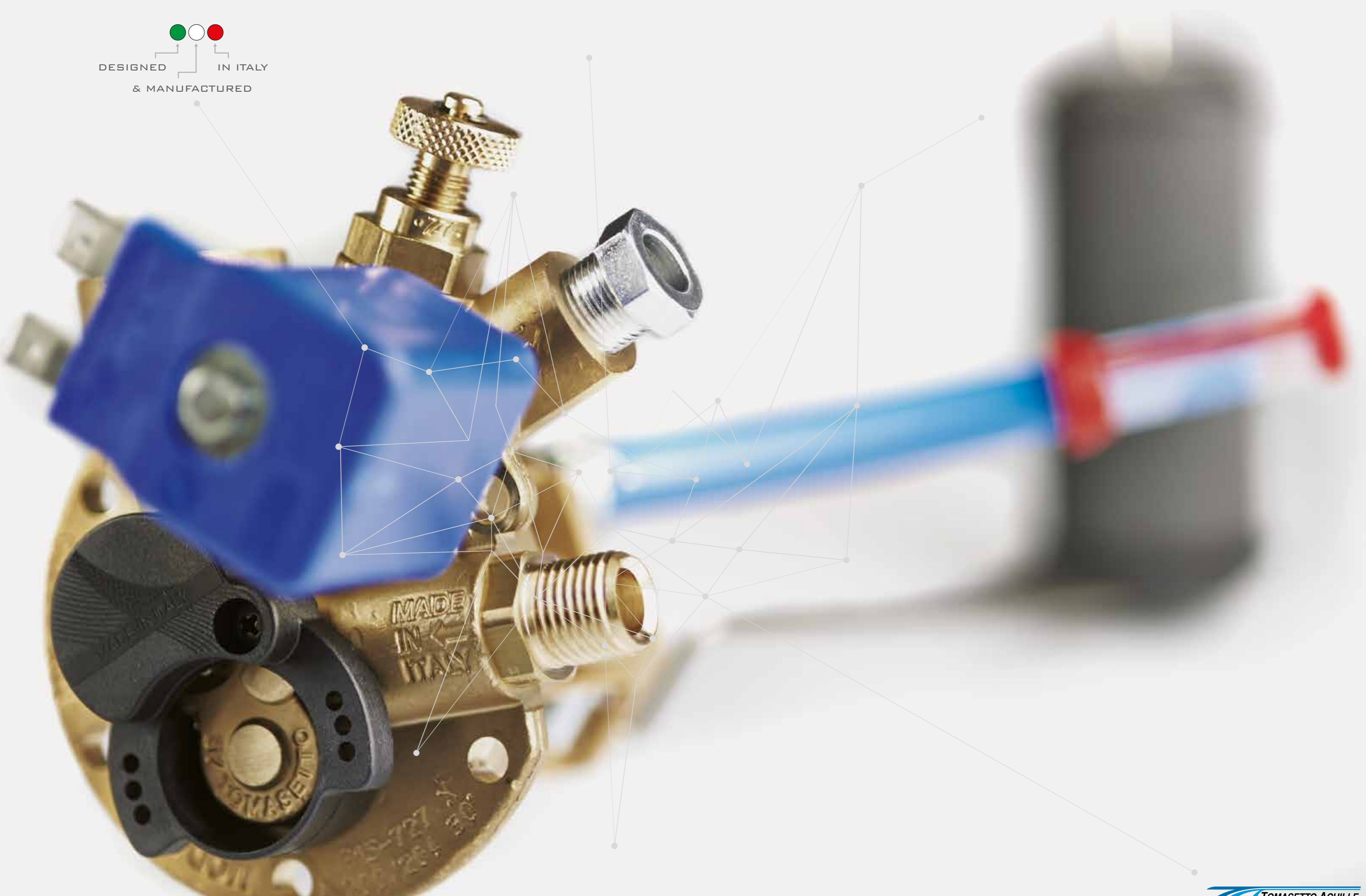
- cut-off solenoid valve for gasoline line
- brass body
- connection both for 6 mm and 8 mm pipes
- provided with manual valve

TECHNICAL DATA

| | |
|---------------------------------------|-----------------------|
| Material | Hot forged brass |
| Weight | 0.2 kg |
| Working temperature | -20 °C / +120 °C |
| Coil voltage | 12 V DC |
| Coil power | 11 W |
| Coil connection | Faston |
| Manual tap | yes |
| Petrol pipe connection (inlet/outlet) | with 6mm and 8mm pipe |



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