

## LPG MULTIVALVES

DESIGNED  
& MANUFACTURED

**TOMASETTO ACHILLE**  
components for LPG & CNG systems

## > 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)

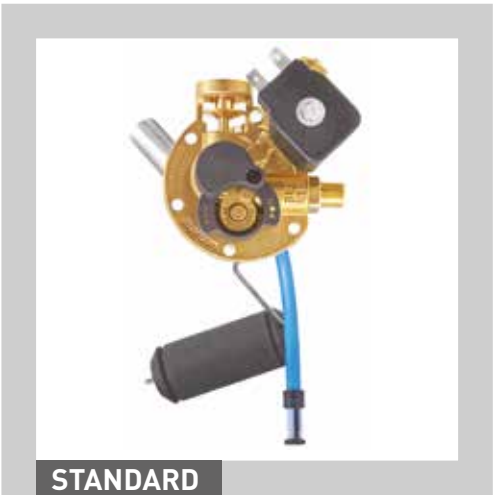






> LPG MULTIVALVES

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 Nm3/min	23.4 Nm3/min
PRD flow rate*	4.4 Nm3/min	4.4 Nm3/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**



**STANDARD**

WITH 6MM OUTLET FITTING AND NORMAL  
INTERNAL PASSAGES



**EXTRA**

WITH 8MM OUTLET FITTING AND LARGER  
INTERNAL PASSAGES

**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

**TECHNICAL DATA**

	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 Nm3/min	23.4 Nm3/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		

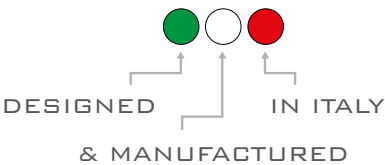
**HOMOLOGATIONS**

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

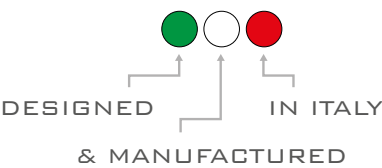


MVAT3303

Gasoline door filling point kit ITALIA Extra



# LPG ACCESSORIES



## Filling valves mod.AT08



Gasoline door filling point kit ITALIA long v. Extra



Gasoline door filling point kit ACME Extra



Gasoline door filling point kit BAYONET Extra



Gasoline door adapter ITALIA  
for filling point 67R-013868



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



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



Gasoline door filling point kit EURO Extra



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



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



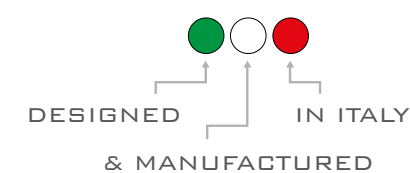
Gasoline door adapter EURO v.M10x1  
for filling point 67R-013868





# LPG ACCESSORIES

## Filling valves mod.AT08



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



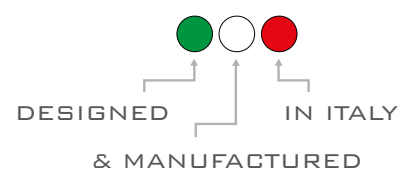
MVAT3309

Gasoline door filling point holder kit

# LPG ACCESSORIES

Others

Others



**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



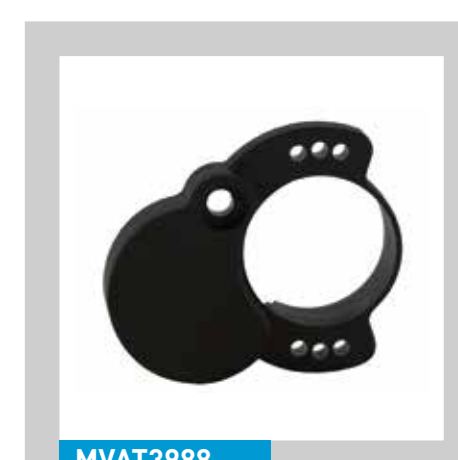
**MVAT2056**

MV adapter Kit for 8mm tube



**MVAT2087**

Filling point fitting M16x1.5 M10 with O-ring



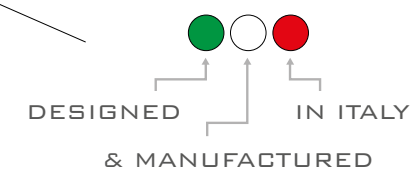
**MVAT3988**

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)



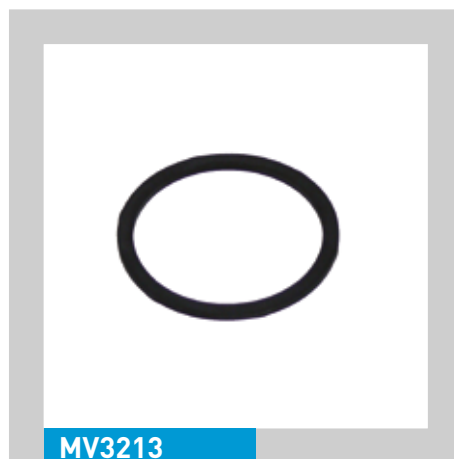
**MVAT3578**

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**

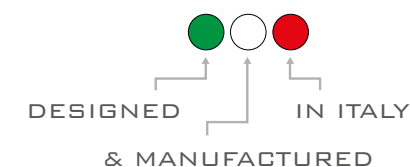
Coil 12V 17W AMP



# 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



DESIGNED  
& MANUFACTURED

IN ITALY





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