

The background is a complex, abstract composition of overlapping geometric shapes in various shades of blue, teal, and yellow. These shapes create a sense of depth and movement. Within these shapes, there are faint, semi-transparent images of a snowy mountain landscape, a green field, and a modern city skyline.

# **FOLLOW OUR ROAD**

**GENERAL CATALOGUE**





**"WE BELIEVE IN THE FUTURE  
OF MOBILITY, SO WE DECIDED  
TO CREATE STABILITY AND SAFETY,  
INSPIRED BY FREEDOM AND LIGHTNESS"**

**OTTORINO LOVATO**





## VISION

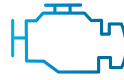
# LIVE IN A PLANET WHERE EACH ENGINE IS SUSTAINABLE.

### WE BELIEVE IN



#### **NATURE**

We believe that the true innovation, in the field of mobility, is in the free and harmonic dialogue with nature.



#### **POWER**

We produce our systems as a perfect summary between best performances and safe journeys.



#### **ECONOMY**

We guarantee daily, real and tangible savings to everyone who chooses our systems.



## RESEARCH & DEVELOPMENT

### THE FUTURE MUST BE THOUGHT, DESIGNED, BUILT. AND OF COURSE, TESTED.

It is not possible for a single person to design the future on his own. The future is always teamwork, a tireless work carried out by men with great passion. That is why our high-level experienced technicians, engineers, designers and testers work side by side in Lovato Gas. Our teams work to design and produce systems and components, as well as constantly improve performance whilst respecting the environment.

Advanced system engineering, dynamic simulators and CAM numeric control systems, directly connected to CAD

design terminals, create prototypes in real time. Our final products are improved taking into consideration those prototype results. Accelerated endurance tests are conducted using engine test benches.

The Research and Development Department works with our Technical Assistance in order to answer quickly and widely to meet various problems that the market arises.

#### OUR POWER IS



**DESIGN**



**PRODUCE**



**TEST**





## WORLDWIDE

**MORE THAN 50 COUNTRIES IN THE WORLD SHARE OUR IDEA OF SUSTAINABLE MOBILITY EVERY DAY.**

### STATE INDEX

- Afghanistan
- Albania
- Algeria
- Argentina
- Armenia
- Australia
- Bangladesh
- Belarus
- Belgium
- Bolivia
- Bosnia-Herzegovina
- Brazil
- Bulgaria
- China
- Colombia
- Croatia
- Cyprus
- Czech Republic
- Dominican Republic
- Ecuador
- El Salvador
- Estonia
- France
- Georgia
- Germany
- Greece
- Haiti
- Honduras
- Hungary
- **India - Branch**
- Indonesia
- Iran
- Israel
- **Italy - HQ**
- Japan
- Kazakhstan
- Kosovo
- Kyrgyzstan
- Latvia
- Lithuania
- Malaysia
- Mexico
- Moldova
- Montenegro
- Nepal
- Netherlands
- New Zealand
- Pakistan
- Peru
- Philippines
- Poland
- Portugal
- Romania
- Russia
- Serbia
- Slovakia
- Slovenia
- South Korea
- Spain
- Sri Lanka
- Taiwan
- Thailand
- Tunisia
- Turkey
- Ukraine
- United Kingdom
- USA
- Uzbekistan





## **SYSTEM INSTALLATION**

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**INST**



# SYSTEM INSTALLATION

LPG SYSTEM

CNG SYSTEM

ACCESSORIES

 **LOVATO**  
LET THE BLUE DRIVE YOU



## LPG SEQUENTIAL INJECTION SYSTEMS

### LPG MINIKIT 4-CYLINDER E-GO EP

#### INCLUDING THE FOLLOWING COMPONENTS:

- 4-cylinder E-GO ECU with wiring harness
- RGJ-3.2L reducer
- EP injector rail
- PTM sensor
- Disposable in line filter
- NTC sensor
- Installation accessories



604701311



#### CODE

604701311

LPG minikit 4-cylinder E-GO EP

## LPG MINIKIT 4-CYLINDER SMART ExR EP PTM

### INCLUDING THE FOLLOWING COMPONENTS:

- 4-cylinder Smart ExR ECU with wiring harness
- RGJ-3.2L reducer
- EP injector rail
- PTM sensor
- Filter without sensors
- NTC sensor
- Installation accessories

smart  
ExR

604701312



LPG SYSTEM

### CODE

**604701312** LPG minikit 4-cylinder Smart ExR EP PTM

To get a 3-cylinder minikit from a 4-cylinder minikit, please add 1-cylinder rail distributor code **235101000** - (page 40)

## LPG MINIKIT 4-CYLINDER SMART ExR KP FSU

### INCLUDING THE FOLLOWING COMPONENTS:

- 4-cylinder Smart ExR ECU with wiring harness
- RGJ-3.2L reducer
- KP injector rail
- FSU filter with temperature, pressure and map sensors
- NTC sensor
- Installation accessories

smart  
ExR

604701313



### CODE

**604701313** LPG minikit 4-cylinder Smart ExR KP FSU

To get a 3-cylinder minikit from a 4-cylinder minikit, please add 1-cylinder rail distributor code **235101000** - (page 40)



## LPG MINIKIT 4-CYLINDER EASY FAST C-OBDDII KP

### INCLUDING THE FOLLOWING COMPONENTS:

- 4-cylinder Easy Fast C-OBDDII ECU with wiring harness
- RGJ-3.2L reducer
- KP injector rail
- FSU filter with temperature, pressure and map sensors
- NTC sensor
- Installation accessories



604701300



### CODE

**604701300** LPG minikit 4-cylinder Easy Fast C-OBDDII KP

**604701301** LPG minikit 4-cylinder Easy Fast C-OBDDII KP DD  
*Differs for the following component: RGJ-3.2L DD reducer*

To get a 3-cylinder minikit from a 4-cylinder minikit, please add 1-cylinder rail distributor code **235101000** - (page 40)

## LPG MINIKIT 5/6/8-CYLINDER EASY FAST C-OBDDII KP UHP

### INCLUDING THE FOLLOWING COMPONENTS:

- 5/6-cylinder Easy Fast C-OBDDII ECU with wiring harness
- RGJ UHP reducer
- KP injector rail
- FSU filter with temperature, pressure and map sensors
- NTC sensor
- Installation accessories



604701303



### CODE

**604701302** LPG minikit 5/6-cylinder Easy Fast C-OBDDII KP UHP

**604701303** LPG minikit 8-cylinder Easy Fast C-OBDDII KP UHP  
*Differs for the following component: 8-cylinder Easy Fast C-OBDDII ECU with wiring harness*



# LPG SEQUENTIAL INJECTION SYSTEMS FOR D.I. ENGINES

## LPG MINIKIT 4-CYLINDER EASY FAST D.I. KP

### INCLUDING THE FOLLOWING COMPONENTS:

- 4-cylinder Easy Fast D.I. ECU with wiring harness
- RGJ-3.2L reducer
- KP injector rail
- FSU filter with temperature, pressure and map sensors
- NTC sensor
- Installation accessories



LPG SYSTEM

604701308



### CODE

- |                  |  |
|------------------|--|
| <b>604701308</b> | LPG minikit 4-cylinder Easy Fast D.I. KP   |
| <b>604701309</b> | LPG minikit 4-cylinder Easy Fast D.I. KP DD<br><i>Differs for the following component: RGJ-3.2L DD reducer</i> |
| <b>604701310</b> | LPG minikit 4-cylinder Easy Fast D.I. KP UHP<br><i>Differs for the following component: RGJ UHP reducer</i>    |

To get a 3-cylinder minikit from a 4-cylinder minikit, please add 1-cylinder rail distributor code **235101000** - (page 40)



## LPG MINIKIT 4-CYLINDER EASY FAST D.I. ExR DP DD

### INCLUDING THE FOLLOWING COMPONENTS:

- 4-cylinder Easy Fast ExR D.I. ECU with wiring harness
- RGJ-3.2L DD reducer
- DP injector rail
- FSU filter with temperature, pressure and map sensors
- NTC sensor
- Installation accessories



604701304



### CODE

**604701304** LPG minikit 4-cylinder Easy Fast D.I. ExR DP DD

**604701305** LPG minikit 4-cylinder Easy Fast D.I. ExR DP UHP  
*Differs for the following component: RGJ UHP reducer*

To get a 3-cylinder minikit from a 4-cylinder minikit, please add 1-cylinder rail distributor code **235101000** - (page 40)

## LPG MINIKIT 5/6/8-CYLINDER EASY FAST D.I. ExR DP UHP

### INCLUDING THE FOLLOWING COMPONENTS:

- 5/6/8-cylinder Easy Fast D.I. ExR ECU with wiring harness
- RGJ UHP reducer
- DP injector rail
- FSU filter with temperature, pressure and map sensors
- Installation accessories



604701306



### CODE

**604701306** LPG minikit 5/6-cylinder Easy Fast D.I. ExR DP UHP

**604701307** LPG minikit 8-cylinder Easy Fast D.I. ExR DP UHP



# PIPE PACKAGES FOR LPG SEQUENTIAL SYSTEMS

## LPG 4-CYLINDER PIPE PACKAGE - COPPER D. 6 MM

INCLUDING THE FOLLOWING COMPONENTS:

- Petrol rubber pipe
- Water rubber pipe
- Gas rubber pipe
- Copper pipe diameter 6 mm
- Installation accessories

609000005



CODE

609000005 LPG 4-cylinder pipe package - Copper D. 6 mm

## LPG 6/8-CYLINDER PIPE PACKAGE - COPPER D. 8 MM

INCLUDING THE FOLLOWING COMPONENTS:

- Petrol rubber pipe
- Water rubber pipe
- Gas rubber pipe
- Copper pipe diameter 8 mm
- Installation accessories

609000007



CODE

609000007 LPG 6/8-cylinder pipe package - Copper D. 8 mm

LPG SYSTEM



## LPG 4-CYLINDER PIPE PACKAGE - THERMOPLASTIC D. 6 MM

INCLUDING THE FOLLOWING COMPONENTS:

- Petrol rubber pipe
- Water rubber pipe
- Gas rubber pipe
- Thermoplastic pipe diameter 6 mm
- Installation accessories

900000609



CODE

609000006 LPG 4-cylinder pipe package - Thermoplastic D. 6 mm

## LPG 6/8-CYLINDER PIPE PACKAGE - THERMOPLASTIC D. 8 MM

INCLUDING THE FOLLOWING COMPONENTS:

- Petrol rubber pipe
- Water rubber pipe
- Gas rubber pipe
- Thermoplastic pipe diameter 8 mm
- Installation accessories

800000609



CODE

609000008 LPG 6/8-cylinder pipe package - Thermoplastic D. 8 mm





# LPG INJECTION SYSTEMS FOR DIESEL ENGINES

## LPG KIT DUAL FAST

INCLUDING THE FOLLOWING COMPONENTS:

- Dual Fast ECU with wiring harness
- RGJ-3.2L reducer
- KP injector rail
- Pressure and temperature sensors with connections
- Filter without sensors
- NTC sensor
- Installation accessories
- Hoses and pipes



LPG SYSTEM

604710651



CODE

604710651 LPG kit Dual Fast

## DUAL FAST ACCESSORIES

CODE

203954000 LSU calibration kit (Linear probe)



## LPG TRADITIONAL SYSTEMS

### LPG CARBURETOR KIT CL1.1

#### INCLUDING THE FOLLOWING COMPONENTS:

- CL1.1 switch with reserve indicator
- RGV090 reducer
- EVG2 LPG solenoid lock-off valve
- EVB petrol solenoid lock-off valve
- Installation accessories
- Hoses and pipes

0292001



#### CODE

**0292001** LPG carburetor kit CL1.1 RGV090 (Power 20 - 90 kW)

**0292004** LPG carburetor kit CL1.1 RGV140 (Power 90 - 140 kW)  
*Differs for the following component:* RGV140 reducer

### LPG CARBURETOR KIT M200-DC

#### INCLUDING THE FOLLOWING COMPONENTS:

- M200-DC switch with level indicator
- RGE090 reducer
- EVG2 LPG solenoid lock-off valve
- EVB petrol solenoid lock-off valve
- Installation accessories
- Hoses and pipes

604710221



#### CODE

**604710221** LPG carburetor kit M200-DC RGE090 (Power 20 - 90 kW)

**604710222** LPG carburetor kit M200-DC RGE140 (Power 90 - 140 kW)  
*Differs for the following component:* RGE140 reducer

## LPG INJECTION KIT M200-DI

### INCLUDING THE FOLLOWING COMPONENTS:

- M200-DI switch with level indicator
- RGE090 reducer
- EVG2 LPG solenoid lock-off valve
- Installation accessories
- Hoses and pipes

### CODE

<b>604710223</b>	LPG injection kit M200-DI RGE090 (Power 20 - 90 kW)
<b>604710224</b>	LPG injection kit M200-DI RGE140 (Power 90 - 140 kW) <i>Differs for the following component: RGE140 reducer</i>

## LPG INJECTION KIT LOVECO 4-EU PLUS II

### INCLUDING THE FOLLOWING COMPONENTS:

- Loveco 4-EU PLUS II ECU with switch
- RGE090 reducer
- EVG2 LPG solenoid lock-off valve
- Installation accessories
- Hoses and pipes

604710225



### CODE

<b>604710225</b>	LPG injection kit Loveco 4-EU PLUS II RGE090 (Power 20 - 90 kW)
<b>604710226</b>	LPG injection kit Loveco 4-EU PLUS II RGE140 (Power 90 - 140 kW) <i>Differs for the following component: RGE140 reducer</i>



## LPG CARBURETOR MINIKIT CL1.1

### INCLUDING THE FOLLOWING COMPONENTS:

- CL1.1 switch with reserve indicator
- RGV090 reducer
- EVG2 LPG solenoid lock-off valve
- EVB petrol solenoid lock-off valve
- Installation accessories

0337001



### CODE

**0337001** LPG carburetor minikit CL1.1 RGV090 (Power 20 - 90 kW)

**0337003** LPG carburetor minikit CL1.1 RGV140 (Power 90 - 140 kW)  
*Differs for the following component:* RGV140 reducer

## LPG CARBURETOR MINIKIT M200-DC

### INCLUDING THE FOLLOWING COMPONENTS:

- M200-DC switch with level indicator
- RGE090 reducer
- EVG2 LPG solenoid lock-off valve
- EVB petrol solenoid lock-off valve
- Installation accessories

604000021



### CODE

**604000021** LPG carburetor minikit M200-DC RGE090 (Power 20 - 90 kW)

**604000048** LPG carburetor minikit M200-DC RGE140 (Power 90 - 140 kW)  
*Differs for the following component:* RGE140 reducer

## LPG INJECTION MINIKIT M200-DI

### INCLUDING THE FOLLOWING COMPONENTS:

- M200-DI switch with level indicator
- RGE090 reducer
- EVG2 LPG solenoid lock-off valve
- Installation accessories

#### CODE

<b>604000023</b>	LPG injection minikit M200-DI RGE090 (Power 20 - 90 kW)
<b>604000049</b>	LPG injection minikit M200-DI RGE140 (Power 90 - 140 kW) <i>Differs for the following component: RGE140 reducer</i>

## LPG INJECTION MINIKIT LOVECO 4-EU PLUS II

### INCLUDING THE FOLLOWING COMPONENTS:

- Loveco 4-EU PLUS II ECU with switch
- RGE090 reducer
- EVG2 LPG solenoid lock-off valve
- Installation accessories

604000022



#### CODE

<b>604000022</b>	LPG injection minikit Loveco 4-EU PLUS II RGE090 (Power 20 - 90 kW)
<b>604000047</b>	LPG injection minikit Loveco 4-EU PLUS II RGE140 (Power 90 - 140 kW) <i>Differs for the following component: RGE140 reducer</i>



## MULTIVALVES MODEL LOV00

### FOR CYLINDRICAL TANK

660000310



#### CODE

**660000310** Multivalve LOV00 - D. 300/315 - 30°

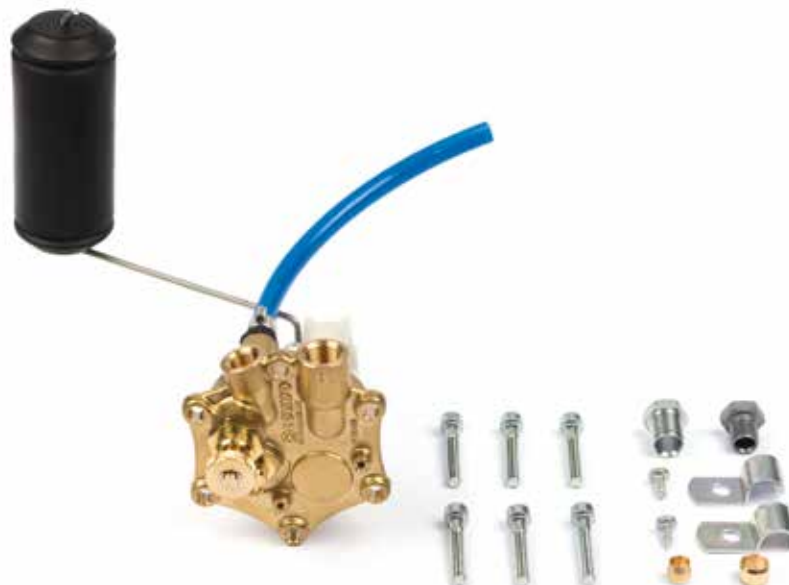
**660000311** Multivalve LOV00 - D. 360 - 30°

**660000312** Multivalve LOV00 - D. 400 - 30° \*

*\*Available from September*

### FOR INTERNAL TOROIDAL TANK

660000320



#### CODE

**660000320** Multivalve LOV00 - H. 200/204 - 30°

**660000321** Multivalve LOV00 - H. 220/225 - 30°

**660000322** Multivalve LOV00 - H. 240/250 - 30°

**660000323** Multivalve LOV00 - H. 270 - 30°



# MULTIVALVES MODEL 305 III (ECE 67-R01)

## FOR INTERNAL TOROIDAL TANK

660000122



LPG SYSTEM

### CODE

660000121	Multivalve 305 III - H. 180/190 - 30°
660000122	Multivalve 305 III - H. 200/204 - 30°
660000123	Multivalve 305 III - H. 220/225 - 30°
660000124	Multivalve 305 III - H. 230/240 - 30°
660000125	Multivalve 305 III - H. 250 - 30°
660000126	Multivalve 305 III - H. 270 - 30°

## FOR EXTERNAL TOROIDAL TANK

660000102



### CODE

660000101	Multivalve 305 III - H. 180/190 - 0°
660000102	Multivalve 305 III - H. 200/204 - 0°
660000103	Multivalve 305 III - H. 220/225/230 - 0°
660000106	Multivalve 305 III - H. 240 - 0°
660000104	Multivalve 305 III - H. 250 - 0°
660000105	Multivalve 305 III - H. 270 - 0°



## FOR CYLINDRICAL TANK

660000023



### CODE

<b>660000021</b>	Multivalve 305 III - D. 200 - 30°
<b>660000022</b>	Multivalve 305 III - D. 244 - 30°
<b>660000023</b>	Multivalve 305 III - D. 270 - 30°
<b>660000024</b>	Multivalve 305 III - D. 300 - 30°
<b>660000025</b>	Multivalve 305 III - D. 315 - 30°
<b>660000026</b>	Multivalve 305 III - D. 360 - 30°

### CODE

<b>660000001</b>	Multivalve 305 III - D. 200 - 0°
<b>660000002</b>	Multivalve 305 III - D. 244 - 0°
<b>660000003</b>	Multivalve 305 III - D. 270 - 0°
<b>660000004</b>	Multivalve 305 III - D. 300 - 0°
<b>660000005</b>	Multivalve 305 III - D. 315 - 0°
<b>660000006</b>	Multivalve 305 III - D. 360 - 0°

### CODE

<b>660000041</b>	Multivalve 305 III - D. 200 - 90° *
<b>660000042</b>	Multivalve 305 III - D. 244 - 90° *
<b>660000043</b>	Multivalve 305 III - D. 270 - 90° *
<b>660000044</b>	Multivalve 305 III - D. 300 - 90° *
<b>660000045</b>	Multivalve 305 III - D. 315 - 90° *
<b>660000046</b>	Multivalve 305 III - D. 360 - 90° *

\*Available from September



# LPG FILLING VALVES

## STEEL LPG FILLING VALVES - SMALL CONNECTION

### CODE

**613000081** Steel external type filling valve (Italian standard)



**613000083** Steel in-bumper filling valve



**613000087** Steel filling valve for petrol filling compartment



**613000085** Steel filling valve for petrol filling compartment (without adapter)



## ADAPTERS FOR STEEL LPG FILLING VALVES - SMALL CONNECTION

### CODE

**226000009** Short steel removable adapter

**226000011** Long steel removable adapter

**226000013** Long ACME adapter (Germany)



## ADAPTERS FOR BRASS LPG FILLING VALVES - LARGE CONNECTION

### CODE

4550007	Short brass removable adapter
226014000	Long brass removable adapter
226004000	Euro brass adapter (Spain)



1550006	ACME brass adapter (Germany)
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1550007	Bayonet brass adapter (Uk)
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## LPG INSTALLATION ACCESSORIES

### REDUCER ACCESSORIES

### CODE

1630001	Heat exchanger HGJ (+30% of power)
236710100	UHP inlet fitting with O-Ring M14x1 - D. 6 mm

### LPG LEVEL INDICATORS

### CODE

526025	Electronic level sensor standard Lovato with wiring harness
463506000	Electronic level sensor standard 1050 with wiring harness
526027	Electronic level sensor standard 0-90 ohm with wiring harness
616506000	Electronic level sensor standard linear indication with wiring harness

### VAPOUR BOXES

### CODE

801126	Vapour box for multivalve model 305
--------	-------------------------------------



CODE		
62100001	Vapour box for multivalve model 305 III	
62100005	Vapour box for multivalve Model 305 III-90° *	
801125	Vapour box for multivalve model 318, 318 II & 318 III	
62100003	Vapour box for multivalve model LOV00	

*\*Available from September*

## ACCESSORIES

CODE		
201003	Plastic ventilation cage D. 30 mm	
306007	Anti narrowing spring for water hose D. 16 mm	
306011	Water pipe fitting reduction from 16 to 9 mm	
306015	Water pipe fitting reduction from 16 to 11 mm	
1590004	5 piece pack of adjustable fittings M10x1 - D. 6 mm	
1590005	5 piece pack of adjustable fittings M10x1 - D. 8 mm	
668125000	5 piece pack of adjustable fittings M12x1 - D. 8 mm	
1590006	5 piece pack of adjustable fittings M14x1 - D. 8 mm	
620000098	5 piece pack of adjustable fittings - multivalve outlet - M10x1 - D. 8 mm	
620000105	Adjustable fitting M12x1 - 1/4" gas - male/female multivalve outlet D. 6 mm	



## CNG SEQUENTIAL INJECTION SYSTEMS

### CNG MINIKIT 4-CYLINDER E-GO EP C

#### INCLUDING THE FOLLOWING COMPONENTS:

- 4-cylinder E-GO ECU with wiring harness
- RMJ C reducer
- EP injector rail
- PTM sensor
- Disposable in line filter
- NTC sensor
- Installation accessories



604800957



#### CODE

604800957

CNG minikit 4-cylinder E-GO EP C

## CNG MINIKIT 4-CYLINDER SMART ExR EP C

### INCLUDING THE FOLLOWING COMPONENTS:

- 4-cylinder Smart ExR ECU with wiring harness
- RMJ C reducer
- EP injector rail
- PTM sensor
- Disposable in line filter
- NTC sensor
- Installation accessories

smart  
ExR

604800958



### CODE

604800958 CNG minikit 4-cylinder Smart ExR EP C

To get a 3-cylinder minikit from a 4-cylinder minikit, please add 1-cylinder rail distributor code **235101000** - (page 40)

## CNG MINIKIT 4-CYLINDER SMART ExR KP

### INCLUDING THE FOLLOWING COMPONENTS:

- 4-cylinder Smart ExR ECU with wiring harness
- RMJ-3.2S reducer
- KP injector rail
- PTM sensors
- Filter without sensors
- NTC sensor
- Installation accessories

smart  
ExR

604800959



### CODE

604800959 CNG minikit 4-cylinder Smart ExR KP

To get a 3-cylinder minikit from a 4-cylinder minikit, please add 1-cylinder rail distributor code **235101000** - (page 40)



## CNG MINIKIT 4-CYLINDER EASY FAST C-OBDII KP

### INCLUDING THE FOLLOWING COMPONENTS:

- 4-cylinder Easy Fast C-OBDII ECU with wiring harness
- RMJ-3.2S reducer
- KP injector rail
- Filter with temperature, pressure and map sensors
- NTC sensor
- Installation accessories



604800950



### CODE

604800950 CNG minikit 4-cylinder Easy Fast C-OBDII KP

To get a 3-cylinder minikit from a 4-cylinder minikit, please add 1-cylinder rail distributor code 235101000 - (page 40)

## CNG MINIKIT 5/6/8-CYLINDER EASY FAST C-OBDII KP HP

### INCLUDING THE FOLLOWING COMPONENTS:

- 5/6-cylinder Easy Fast C-OBDII ECU with wiring harness
- RMJ-3.2S HP reducer
- KP injector rail
- Filter with temperature, pressure and map sensors
- NTC sensor
- Installation accessories



604800952



### CODE

604800951 CNG minikit 5/6-cylinder Easy Fast C-OBDII KP HP

604800952 CNG minikit 8-cylinder Easy Fast C-OBDII KP HP  
*Differs for the following component:* 8-cylinder Easy Fast C-OBDII ECU with wiring harness



# CNG SEQUENTIAL INJECTION SYSTEMS FOR D.I. ENGINES

## CNG MINIKIT 4-CYLINDER EASY FAST D.I. KP

### INCLUDING THE FOLLOWING COMPONENTS:

- 4-cylinder Easy Fast D.I. ECU with wiring harness
- RMJ-3.2S reducer
- KP injector rail
- Filter with temperature, pressure and map sensors
- NTC sensor
- Installation accessories



604800956



CNG SYSTEM

### CODE

604800956 CNG minikit 4-cylinder Easy Fast D.I. KP

To get a 3-cylinder minikit from a 4-cylinder minikit, please add 1-cylinder rail distributor code 235101000 - (page 40)



## CNG MINIKIT 4-CYLINDER EASY FAST D.I. ExR DP

### INCLUDING THE FOLLOWING COMPONENTS:

- 4-cylinder Easy Fast D.I. ExR ECU with wiring harness
- RMJ-3.2S reducer
- DP injector rail
- Filter with temperature, pressure and map sensors
- NTC sensor
- Installation accessories



604800953



### CODE

604800953 CNG minikit 4-cylinder Easy Fast D.I. ExR DP

To get a 3-cylinder minikit from a 4-cylinder minikit, please add 1-cylinder rail distributor code 235101000 - (page 40)

## CNG MINIKIT 5/6/8-CYLINDER EASY FAST D.I. ExR DP HP

### INCLUDING THE FOLLOWING COMPONENTS:

- 5/6/8-cylinder Easy Fast D.I. ExR ECU with wiring harness
- RMJ-3.2S HP reducer
- DP injector rail
- Filter with temperature, pressure and map sensors
- NTC sensor
- Installation accessories



604800954



### CODE

604800954 CNG minikit 5/6-cylinder Easy Fast D.I. ExR DP HP

604800955 CNG minikit 8-cylinder Easy Fast D.I. ExR DP HP



## PIPE PACKAGES FOR CNG SEQUENTIAL SYSTEMS

### CNG 4-CYLINDER PIPE PACKAGE - STEEL D. 6 MM

INCLUDING THE FOLLOWING COMPONENTS:

- Petrol rubber pipe
- Water rubber pipe
- Gas rubber pipe
- Steel pipe diameter 6 mm
- Installation accessories

609000001



CODE

609000001 CNG 4-cylinder pipe package - Steel D. 6 mm

### CNG 6/8-CYLINDER PIPE PACKAGE - STEEL D. 6 MM

INCLUDING THE FOLLOWING COMPONENTS:

- Petrol rubber pipe
- Water rubber pipe
- Gas rubber pipe
- Steel pipe diameter 6 mm
- Installation accessories

609000003



CODE

609000003 CNG 6/8-cylinder pipe package - Steel D. 6 mm



## CNG 4-CYLINDER PIPE PACKAGE - COPPER D. 6 MM

### INCLUDING THE FOLLOWING COMPONENTS:

- Petrol rubber pipe
- Water rubber pipe
- Gas rubber pipe
- Copper pipe diameter 6 mm
- Installation accessories

609000002



### CODE

609000002 CNG 4-cylinder pipe package - Copper D. 6 mm

## CNG 6/8-CYLINDER PIPE PACKAGE - COPPER D. 6 MM

### INCLUDING THE FOLLOWING COMPONENTS:

- Petrol rubber pipe
- Water rubber pipe
- Gas rubber pipe
- Copper pipe diameter 6 mm
- Installation accessories

609000004



### CODE

609000004 CNG 6/8-cylinder pipe package - Copper D. 6 mm



## CNG INJECTION SYSTEMS FOR DIESEL ENGINES

### CNG KIT DUAL FAST

INCLUDING THE FOLLOWING COMPONENTS:

- Dual Fast ECU with wiring harness
- RMJ-3.2S reducer
- KP injector rail
- Pressure and temperature sensors with connections
- Filter without sensors
- NTC sensor
- Installation accessories
- Hoses and pipes



604800861



CNG SYSTEM

CODE

604800861

CNG kit Dual Fast

### DUAL FAST ACCESSORIES

CODE

203954000

LSU calibration kit (Linear probe)



## CNG TRADITIONAL SYSTEMS

### CNG CARBURETOR KIT M200-DC

#### INCLUDING THE FOLLOWING COMPONENTS:

- M200-DC switch with level indicator
- RME090 reducer
- EVB Petrol solenoid lock-off valve
- AMP superseal connector
- Installation accessories
- Hoses and pipes

0290006



#### CODE

**0290006** CNG carburetor kit M200-DC RME090 (Power 20 - 90 kW)

**0290007** CNG carburetor kit M200-DC RME140 (Power 90 - 140 kW)  
*Differs for the following component: RME140 reducer*

### CNG INJECTION KIT M200-DI

#### INCLUDING THE FOLLOWING COMPONENTS:

- M200-DI switch with level indicator
- RME090 reducer
- AMP superseal connector
- Installation accessories
- Hoses and pipes

#### CODE

**0291034** CNG injection kit M200-DI RME090 (Power 20 - 90 kW)

**0291037** CNG injection kit M200-DI RME140 (Power 90 - 140 kW)  
*Differs for the following component: RME140 reducer*

## CNG INJECTION KIT LOVECO 4-EU PLUS II

### INCLUDING THE FOLLOWING COMPONENTS:

- Loveco 4-EU PLUS II ECU with switch
- RME090 reducer
- AMP superseal connector
- Installation accessories
- Hoses and pipes

604800222



### CODE

**604800222** CNG injection kit Loveco 4-EU PLUS II RME090 (Power 20 - 90 kW)

**604800223** CNG injection kit Loveco 4-EU PLUS II RME140 (Power 90 - 140 kW)  
*Differs for the following component: RME140 reducer*

## CNG CARBURETOR MINIKIT M200-DC

### INCLUDING THE FOLLOWING COMPONENTS:

- M200-DC switch with level indicator
- AMP superseal connector
- RME090 reducer
- EVB Petrol solenoid lock-off valve
- Installation accessories

0335004



### CODE

**0335004** CNG carburetor minikit M200-DC RME090 (Power 20 - 90 kW)

**0335005** CNG carburetor minikit M200-DC RME140 (Power 90 - 140 kW)  
*Differs for the following component: RME140 reducer*



## CNG INJECTION MINIKIT M200-DI

### INCLUDING THE FOLLOWING COMPONENTS:

- M200-DI switch with level indicator
- RME090 reducer
- AMP superseal connector
- Installation accessories

### CODE

**604800200** CNG injection minikit M200-DI RME090 (Power 20 - 90 kW)

**604000046** CNG injection minikit M200-DI RME140 (Power 90 - 140 kW)  
*Differs for the following component: RME140 reducer*

## CNG INJECTION MINIKIT LOVECO 4-EU PLUS II

### INCLUDING THE FOLLOWING COMPONENTS:

- Loveco 4-EU PLUS II ECU with switch
- RME090 reducer
- AMP superseal connector
- Installation accessories

604000020



### CODE

**604000020** CNG injection minikit Loveco 4-EU PLUS II RME090 (Power 20 - 90 kW)

**604800260** CNG injection minikit Loveco 4-EU PLUS II RME140 (Power 90 - 140 kW)  
*Differs for the following component: RME140 reducer*

## CNG VALVES

### CNG CYLINDER VALVES

### CODE

**688088001** Manual cylinder valve  
LOV L W28,8 M12x1 (external)



**688089000** Manual cylinder valve LOV L W28,8 M12x1 (internal)

**CODE**

**688087001** Automatic cylinder valve  
LOV C W28,8 M12x1 (internal)



**688083001** Automatic cylinder valve  
LOV M W28,8 M12x1 (internal)



**688000009** Automatic cylinder valve LOV O W28,8 M12x1 (external)

**688042001** Automatic cylinder valve VBE 474 W28,8 M12x1 (internal)

**4080053** Cylinder valve wiring harness (cod. 688087001 and 688083001)

**612485000** Cylinder valve wiring harness (cod. 688042001)

**CNG FILLING VALVES****CODE**

**688086001** Filling valve - Italian/NGV1-P30 standard M12x1

**688911001** Filling valve with Pico - Ukraine, Russia M12x1

**688913000** 3 way manual filling valve NGV1-P30 M12x1

**1860011** Filling valve for petrol filling compartment NGV1-P30 M12x1

**1860012** Filling valve with Pico and microswitch - New Zealand, Bangladesh M12x1

**CNG INSTALLATION ACCESSORIES****CNG LEVEL INDICATORS****CODE**

**1670006** Pressure gauge with electronic gas level  
indicator standard 806



**652910000** Pressure gauge with linear electronic  
gas level indicator



**4590004** T-fitting for pressure gauge



**236317100** T-connection for high pressure pipes M12x1 - D. 6 mm

**ACCESSORIES****CODE**

**604185000** Tank fixing kit: 2 belts and M10 accessories

**620800137** Tank fixing kit: 3 belts and M10 accessories



## ACCESSORIES FOR LPG AND CNG SYSTEMS

### RAIL ACCESSORIES

#### CODE

235101000	1-cylinder rail distributor (for installing 4-cyl. kit on 3-cyl. car)
3161001	2-cylinder rail distributor
240104300	4-cylinder rail distributor
4770011	Rail plug with O-Ring
4530023	Rail fitting with O-Ring D. 12 mm
4590020	Intermediate fitting rail with O-Ring
4020001	Fixing clamp for rail connection

### RAIL NOZZLES

#### CODE

668108000	30 piece pack of rail nozzles P D. 1,4 mm 'A1'
668109000	30 piece pack of rail nozzles P D. 1,6 mm 'A'
668110000	30 piece pack of rail nozzles P D. 1,8 mm 'B'
668111000	30 piece pack of rail nozzles P D. 2,0 mm 'C'
668112000	30 piece pack of rail nozzles P D. 2,2 mm 'D'
668113000	30 piece pack of rail nozzles P D. 2,4 mm 'E'
668114000	30 piece pack of rail nozzles P D. 2,6 mm 'F'
668115000	30 piece pack of rail nozzles P D. 2,8 mm 'G'
668116000	30 piece pack of rail nozzles P D. 3,0 mm 'H'
668123000	4 piece pack of rail universal ALU nozzles P D. 1,4 mm

### NOZZLE EXTENSIONS

#### CODE

1580001	12 piece pack of copper nozzle extensions
620500110	4 piece pack of fittings for PTFE nozzle extensions
620700610	4 piece pack of 20-cm long PTFE nozzle extensions

### EMULATOR WIRING HARNESSSES

#### CODE

1080011	Universal emulator wiring harness Easy Fast for 4 injectors
1080012	Bosch right emulator wiring harness Easy Fast for 4 injectors





## GAS FLOW ADJUSTERS

### CODE

450015 1 way gas flow adjuster D. 12x19 mm



450016 1 way gas flow adjuster D. 19x19 mm



450017 Y-shape gas fitting D. 19x12x12 mm

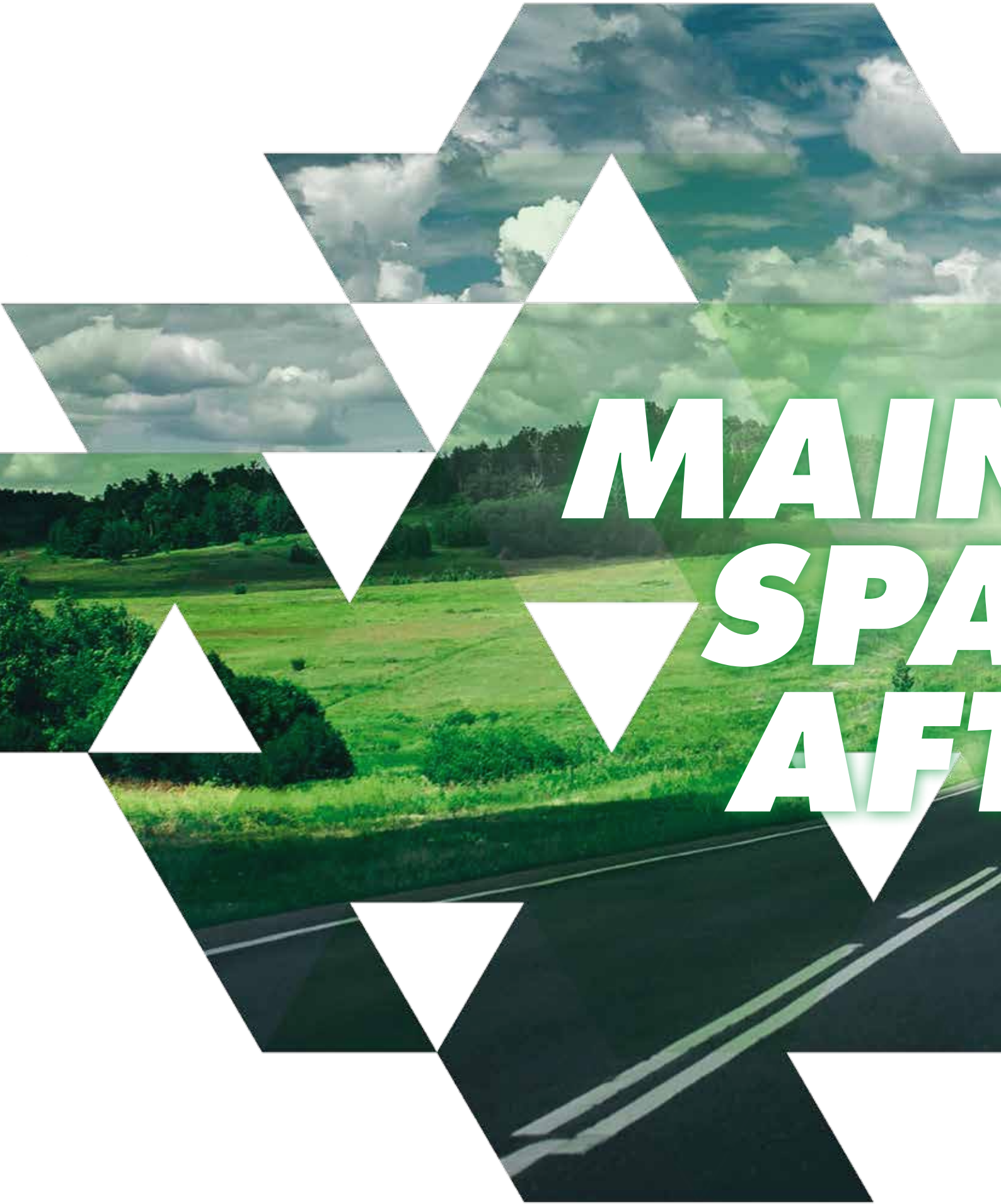


450018 Y-shape double gas fitting D. 19x12x12 mm



450024 Y-shape gas fitting D. 19x19x19 mm





**MAIN  
SPA  
AFT**

# MAINTENANCE SPARE PARTS AFTER-SALES

 **LOVATO**  
LET THE BLUE DRIVE YOU

MAINTENANCE / SPARE PARTS

CONFIGURATION TOOLS

HOSES AND PIPES

PROMOTIONAL ITEMS

SALE / WARRANTY



## MAINTENANCE PARTS FOR LPG AND CNG SYSTEMS

### LPG REDUCER MAINTENANCE

CODE

1294011 RGJ reducer maintenance kit - filter



674000476 RGJ-3/3 DD/3.2/HP/SHP maintenance kit - filter



674000100 RGJ-3.2L/3.2L DD maintenance kit - filter



674000417 RGJ UHP reducer maintenance kit - filter



CODE

1294012 RGJ reducer maintenance kit - gas



674000478 RGJ-3/3.2/3.2L maintenance kit - gas



674000479 RGJ-3 DD/3.2L DD maintenance kit - gas



CODE

1294013 RGJ maintenance kit - water/solenoid lock-off valve



674000477 RGJ-3/3 DD/3.2/3.2L/3.2L DD reducer maintenance kit - water/solenoid lock-off valve



674000475 RGJ HP/SHP/UHP reducer maintenance kit - gas and water/solenoid lock-off valve



CODE		
621506K	Vacuum RG80, RGV090 reducer maintenance kit	
621509K	Electronic RGE92, RGE090/140 reducer maintenance kit	
621514	Electronic RGE170 reducer maintenance kit	
621515	Electronic RGE220 reducer maintenance kit	
674000382	Solenoid lock-off valve RGJ-3/3 DD/3.2/3.2L/3.2L DD maintenance kit	
1294009	Solenoid lock-off valve RGE090/140/Turbo reducer maintenance kit	

CODE	
674703000	HGJ heater maintenance kit

## LPG/PETROL SOLENOID LOCK-OFF VALVE MAINTENANCE

CODE		
1294008	EVG2 LPG solenoid lock-off valve maintenance kit	
1294005	EVB petrol solenoid lock-off valve maintenance kit	
319028	Cartridge filter for EVG1 & EVG2 LPG solenoid lock-off valve	

## CNG REDUCER MAINTENANCE

CODE		
674000363	RMJ C reducer maintenance kit	
1294022	RMJ-3 (code 1620003) reducer maintenance kit	
674800000	RMJ-3 (code 536896000) reducer maintenance kit	
674709000	RMJ-3.2/HP reducer maintenance kit	
674000315	RMJ-3.2S/HP reducer maintenance kit	



CODE

629003 Electronic M230/M230 Super reducer maintenance kit

1294001 Electronic RME090/140 reducer maintenance kit



1294002 Electronic RME180 reducer maintenance kit

674000485 Solenoid cut-off valve electronic RME reducer maintenance kit



## FSU FILTER MAINTENANCE

CODE

1294021 FSU filter maintenance kit (cartridge + OR set)



## INJECTOR MAINTENANCE

CODE

674700000 LP/EP rail maintenance kit type "A" every 30.000 km (optional)



674702000 LP rail maintenance kit type "B" 120.000 km (optional)



674000311 EP rail maintenance kit type "B" - 120.000 km (optional)

674701000 LP/EP calibration tool kit



## MULTIVALVE MAINTENANCE

CODE

674000486 Multivalve model 305 III maintenance kit



# SPARE PARTS FOR LPG AND CNG SYSTEMS

## LPG REDUCERS

536795000



536778000



536700060



CODE

536795000	RGJ-3.2L reducer (up to 140 kW)
536778000	RGJ-3.2L DD reducer (up to 140 kW)
536700060	RGJ UHP reducer (up to 260 kW)

1628001



1625001



CODE

1628001	Vacuum RGV090 reducer (power 20 - 90 kW)
1628002	Vacuum RGV140 reducer (power 90 - 140 kW)
1625001	Electronic RGE090 reducer (power 20 - 90 kW)
1625002	Electronic RGE140 reducer (power 90 - 140 kW)
704906	Electronic RGE220 reducer (power 170 - 220 kW)

536700013



536700015



CODE

536700013	Small vacuum RSGV D. 1,7 reducer
536700014	Small vacuum RSGV D. 2 reducer
536700015	Small electronic RSGE D. 1,7 reducer



## CNG REDUCERS

536800080



536800088



### CODE

536800080	RMJ C reducer (up to 140 kW)
536800088	RMJ-3.2S reducer (up to 140 kW)
536800087	RMJ-3.2S HP reducer (up to 200 kW)

### CODE

1621001	Electronic RME090 reducer (power 10 - 90 kW)
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1621002	Electronic RME140 reducer (power 90 - 140 kW)
1621003	Electronic RME180 reducer (power 140 - 180 kW)

## LPG AND CNG REDUCER SPARE PARTS

### CODE

421521	First stage cover for all LPG vacuum & electronic reducers
3770002	Oil drain plug with O-Ring for all electronic RGE reducers
521017	12V electric starter for all vacuum RGV reducers
421549K	Separated idle adjusting screw for all electronic RGE reducers
421543	90° water elbow for electronic RGE170/220 reducer



CODE	
521520	12V electric coil for solenoid lock-off valve for all electronic RME reducers
406035	Wiring harness with AMP connector for all electronic RME reducers
3770001	Oil drain plug with O-Ring for all electronic RME reducers
3460001	First stage piston for all electronic RME reducers
407105	Separated idle adjusting screw for all electronic RME reducers
314504	Spring for idle adjusting screw for all electronic RME reducers

CODE	
3530003	Water connection with O-Ring for all reducers
3530001	Plastic gas outlet with O-Ring for all reducers D. 19 mm
3600001	Idle adjusting screw for all reducers - RGE170/220 excluded
321032	Spring for idle adjusting screw for all reducers
4530002	M6 fitting for rubber pipe connection D. 6 mm
322006	M6 fitting for vacuum rubber pipe connection D. 5,5x10 mm

## INJECTOR RAILS

CODE		
237000019	Single EP injector	
238000064	Complete EP 2-cylinder rail	
238636000	Complete EP 4-cylinder rail with ALU nozzles	
237113000	Single KP injector	
238606000	Complete KP 2-cylinder rail	



CODE

238607000	Complete KP 3-cylinder rail
237000007	Single DP injector
238000021	Complete DP 2-cylinder rail
238000050	Complete DP 3-cylinder rail
232027000	Single LP injector (outside of the range, available only as spare parts)
238603000	Complete LP 2-cylinder rail (outside of the range, available only as spare parts)
237112000	Single JP injector (outside of the range, available only as spare parts)
1040022	Complete JP 2-cylinder rail (outside of the range, available only as spare parts)



238604000	Complete JP 3-cylinder rail (outside of the range, available only as spare parts)
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## FILTERS AND SENSORS

CODE

161522000	Disposable in-line filter
1205005	Filter without sensors
463532000	PTM sensor
161511000	FSU filter with sensors (without MAP)
1205010	FSU filter with PTM sensors
612544000	Eltek wiring harness interface - FSU PT



## ECUs

### CODE

616000167 4-cylinder E-GO ECU



616497000 4-cylinder Smart ECU

616000291 4-cylinder Smart ExR ECU



4720016 4-cylinder Easy Fast OBDII ECU

4720017 5/6/8-cylinder Easy Fast OBDII ECU

616000273 4-cylinder Easy Fast C-OBDII ECU



616000301 5/6-cylinder Easy Fast C-OBDII ECU

616000335 8-cylinder Easy Fast C-OBDII ECU



616972000 4-cylinder Easy Fast D.I. ECU



616000268 4-cylinder Easy Fast D.I. ExR ECU



616000267 5/6/8-cylinder Easy Fast D.I. ExR ECU



616000170 Dual Fast ECU



616967000 Loveco 4-EU PLUS II ECU





## ECU WIRING HARNESS

### CODE

612000011	4-cylinder E-GO wiring harness
612509000	4-cylinder Smart wiring harness (FSU filter)
612000125	4-cylinder Smart ExR wiring harness (PTM sensor)
612000079	4-cylinder Smart ExR wiring harness (FSU filter)
4080050	4-cylinder Easy Fast OBDII black wiring harness
4080051	4-cylinder Easy Fast OBDII grey wiring harness
4080052	5/6/8-cylinder Easy Fast OBDII wiring harness
612000060	4-cylinder Easy Fast C-OBDII wiring harness
612000066	5/6-cylinder Easy Fast C-OBDII wiring harness
612000084	8-cylinder Easy Fast C-OBDII wiring harness
4080038	4-cylinder Easy Fast D.I. wiring harness
612000047	4/5/6/8-cylinder Easy Fast D.I. ExR (60 pin) wiring harness
612989000	5/6/8-cylinder Easy Fast D.I. ExR (48 pin) additional wiring harness
612979000	Loveco 4-EU PLUS II wiring harness

## FUEL SWITCHES

### CODE

425000012	Switch 3.0
620500210	Round switch
425000006	CL1.1 switch with reserve indicator
1110013	M200-DC switch with level indicator (std 1050)
1110014	M200-DI switch with level indicator (std 1050)
1110003	Switch for Loveco 4-EU and 4-EU PLUS
616968000	Switch for Loveco 4-EU PLUS II



## STEPPER MOTOR

### CODE

2040006 Flow actuator AF2 with resin body

## SENSORS

### CODE

421053 NTC sensor 4K7 with AMP connector M10x1



203850000 NTC sensor 4K7 without AMP connector M10x1



421051 NTC sensor M5 with faston

620700778 NTC sensor for installation on water pipe 15x15 mm

530076000 NTC sensor for installation on rail with fitting

## MULTIVALVE AND VAPOUR BOX SPARE PARTS

### CODE

620700933 Rubber protection for external multivalve model 305

133157300 Protection box for cover of external toroidal multivalve model 305 III

118046000 11W coil with AMP connector for multivalve model 305 & 305 III

118000012 11W coil with faston for multivalve model 305 & 305 III and for EVG2 LPG solenoid lock-off valve

314502 Filter float for all multivalves

317076 Gasket for multivalve body

4080035 1050 standard level sensor wiring harness with integrated solenoid lock-off valve control

201010 Vapour box cover with O-Ring for multivalves model 305 & 305 III

201008 Vapour box cover with O-Ring for multivalves model 318 & LOV00

316008 Plastic ventilation hole D. 30 mm



## SOLENOID LOCK-OFF VALVES



### CODE

1171002 10 piece pack of EVG1 LPG solenoid lock-off valves (AMP connector)

4065004 8W coil for EVG1 LPG solenoid lock-off valve (AMP connector)

1171003 10 piece pack of EVG2 LPG solenoid lock-off valves (faston)

519006K 8W coil for EVG2 LPG solenoid lock-off valve (faston)

1170002 10 piece pack of EVB petrol solenoid lock-off valves

520001 12V coil for EVB petrol solenoid lock-off valve

1860005 CNG solenoid cut-off valve



## LPG FILLING VALVE SPARE PARTS

### CODE

3770004	Plastic cap for in-bumper filling valve (code 525005K)
287125000	Plastic cap for filling valve for petrol filling compartment
287000029	Plastic cap for in-bumper filling valve



## SYSTEM CONFIGURATION TOOLS

### CONFIGURATION TOOLS

#### CODE

203000036 USB 2.0 serial cable

1685001 Wireless interface kit



1570000 Calibration software CD-ROM

203950000 Expert level calibration software USB (direct and indirect injection)

612508000 Loveco adapter

616000191 OBDII tester

612000124 12V power unit for wireless interface kit on E-GO and Smart ExR

### SPARE PARTS

#### CODE

1155006 USB wireless device

1155007 ECU wireless device



## HOSES AND PIPES

### AIR PIPES

CODE

135002 Vacuum rubber pipe D. 5x10,5 mm (100 m roll)

### PETROL PIPES

CODE

135004 Petrol rubber pipe D. 7x13 mm (100 m roll)

### WATER PIPES

CODE

135006 Water rubber pipe D. 15x23 mm (60 m roll)

7831024 Water rubber pipe D. 7x13 mm (100 m roll)

### VENTILATION PIPES FOR VAPOUR BOXES

CODE

135007 Flexible ventilation pipe D. 30 mm (30 m roll)

299156351 Extendible ventilation up to 70 cm D. 30 mm

### GAS PIPES

CODE

299000124 LPG rubber pipe D. 6x13 mm (50 m roll)

299000127 LPG rubber pipe D. 19x27 mm (50 m roll)

299000147 LPG rubber pipe D. 12x19 mm (50 m roll) - E67R1-110

434001 LPG copper pipe D. 4x6 mm (50 m roll)

434004 LPG copper pipe D. 4x6 mm (5,5 m long)

434007 LPG copper pipe D. 6x8 mm (50 m roll)

434008 LPG copper pipe D. 6x8 mm (1,5 m long)

434009 LPG copper pipe D. 6x8 mm (2,5 m long)

6832001 LPG copper pipe D. 6x8 mm (6,5 m long)

7832001 CNG steel pipe D. 4x6 mm (6 m long) - ISO 15500

408204 CNG steel pipe D. 4x6 mm (6 m long) - ECE R110

620700944 Thermoplastic pipe kit  
equiv. D. 4x6 mm (5,5 m long)



620700945 Thermoplastic pipe kit  
equiv. D. 6x8 mm (1,5 m long)












CODE	
620700947	Thermoplastic pipe kit equiv. D. 6x8 mm (6 m long)
299765401	Thermoplastic pipe equiv. D. 4x6 mm (50 m roll)
299766401	Thermoplastic pipe equiv. D. 6x8 mm (50 m roll)

## PIPE ACCESSORIES

CODE		
322010	Inlet fitting for copper pipe D. 4x6 M10x1 15 mm	
325086	Inlet fitting for copper pipe D. 6x8 M14x1 18 mm	
309004	Inlet fitting for steel pipe D. 4x6 M12x1 24 mm	
322001	Ferrule for copper pipe D. 4x6 mm	
323004	Ferrule for copper pipe D. 6x8 mm	
309005	Ferrule for steel pipe D. 6 mm	
325110	Mushroom-ferrule for copper pipe D. 6x8 mm	
406038	T-fitting for copper pipe D. 6x8 mm	
406012	T-fitting for copper pipe D. 4x6 mm	
322014	Plastic T-fitting for water pipe D. 15x15x15 mm	
309007	Plastic T-fitting for water pipe D. 16x8x16 mm	
322015	Water T-fitting D. 16x16x16 - 19x19 mm (double diameter)	
5530004	Plastic T-fitting for water pipe D. 19x16x19 mm	
668007000	Outlet fitting for copper pipe D. 6 mm	
668005000	Outlet fitting for copper pipe D. 8 mm	
668119000	30 piece pack of standard fittings for thermoplastic pipe D. 4x6 mm	
668120000	30 piece pack of standard fittings for thermoplastic pipe D. 6x8 mm	
668121000	30 piece pack of 90° fitting adapters for thermoplastic pipe D. 4x6 mm	
668122000	30 piece pack of 90° fitting adapters for thermoplastic pipe D. 6x8 mm	
620700942	150 piece pack of retain clamps D. 10 mm	
620700943	50 piece pack of retain clamps D. 12 mm	



# PROMOTIONAL ITEMS

## CLOTHING



CODE

183313 Cap



CODE

999902001 T-shirt size S

999903001 T-shirt size M

999904001 T-shirt size L

999905001 T-shirt size XL

999906001 T-shirt size XXL



CODE

999898001 Dungarees size M

999899001 Dungarees size L

999900001 Dungarees size XL

999901001 Dungarees size XXL



CODE

999894001 Short sleeve polo size M

999895001 Short sleeve polo size L

999896001 Short sleeve polo size XL

999897001 Short sleeve polo size XXL



**CODE**

**999890001** Gilet size M

**999891001** Gilet size L

**999892001** Gilet size XL

**999893001** Gilet size XXL



**CODE**

**999886001** Sweatshirt size M

**999887001** Sweatshirt size L

**999888001** Sweatshirt size XL

**999889001** Sweatshirt size XXL



**CODE**

**999908001** Working overalls size L

**999909001** Working overalls size XL

**999910001** Working overalls size XXL

**999907001** Working overalls size XXXL





## GADGETS



CODE

999925000 USB key



CODE

234217001 Filling valve bag

## PROFESSIONAL & TRAINING



CODE

183332 Lovato magnetic cover



CODE

999000203 Lovato GasPoint rectangular sign



CODE

999913001 Floor stand flag white background  
H. 300 cm (with support)

999914001 Floor stand flag blue background  
H. 300 cm (with support)



**CODE**

**999911001** Flag white background 120x70 cm

**CODE**

**999912001** Flag blue background 120x70 cm

**A - VERSION**



**B - VERSION**



**CODE**

**999000201** Van customized artwork - Italian version

**999000200** Van customized artwork - English version

**999000202** Van customized artwork - Russian version



## PROFESSIONAL & TRAINING



### CODE

- 999000212 Vision roll up artwork - Italian version
- 999000210 Vision roll up artwork - English version
- 999000213 Vision roll up artwork - Russian version
- 999000211 Vision roll up artwork - Spanish version



### CODE

- 999000208 Institutional roll up artwork - Italian version
- 999000206 Institutional roll up artwork - English version
- 999000209 Institutional roll up artwork - Russian version
- 999000207 Institutional roll up artwork - Spanish version



### CODE

- 977707440 Set of 3 posters - 70x100 cm



**CODE**

**977000137** Vision poster artwork Italian version

**977000136** Vision poster artwork English version

**977000138** Vision poster artwork Russian version

**CODE**

**977000134** Follow our road poster artwork Italian version

**977000133** Follow our road poster artwork English version

**977000135** Follow our road poster artwork Russian version

**STANDS, DEPLIANTS AND BROCHURES**



**CODE**

**999922000** Expositive totem



**CODE**

**999000205** Smart ExR stand

**999000204** Easy Fast Direct Injection ExR stand



# GENERAL TERMS AND CONDITIONS OF SALE

## ART. 1 - INTRODUCTION

These General Terms and Conditions, available on the web site of Lovato Gas [www.lovatogas.com](http://www.lovatogas.com), regulate the sales agreements between the same Lovato Gas S.p.A. - Italian company with registered seat in Vicenza (Italy), Strada Casale no. 175, VAT number and fiscal code 03328680248, enrolled at the Chamber of Commerce of Vicenza under the no. 0316445 - and the professional customers (Business to Business).

## ART. 2 - ORDERS, DRAWINGS AND TECHNICAL INFORMATION

**2.1** The sale of Lovato Gas products is exclusively governed by these Sales General Terms and Conditions, as well as by those particular placed on single orders, if any.

In case of discrepancy between these Sales General Terms and Conditions and the particular conditions placed on single orders accepted by Lovato Gas, these latter shall prevail.

These conditions are applicable only to sales made through the traditional channels of Lovato Gas commercial network, while online sales are regulated according to the conditions specified on a specific address that may be adopted by Lovato Gas in the future.

**2.2** Lovato Gas is free to update, integrate or amend these Sales General Terms and Conditions, which modification will come in force and take effect from the day following their publication on the website [www.lovatogas.com](http://www.lovatogas.com), finding instant application for the orders that will follow such publication.

**2.3** These Sales General Terms and Conditions, as well as their additions, changes or updates, if any, are to be considered as always accepted by the Customer with his transmission in any form to Lovato Gas of the purchase order of the products, having to be considered that the Customer had taken full knowledge and awareness of them, even if not listed in the order or expressly countersigned by him, also because of their publicity on the mentioned Lovato Gas's web site.

**2.4** The orders forwarded through agents, brokers or other persons other than the Customer, as well as orders forwarded directly by the Customer, are always held as conditioned to clearance by Lovato Gas, none being authorized, unless specific written mandate, to take binding commitments for Lovato Gas. Orders are irrevocable for a period of five (5) calendar days starting from their receipt and will engage Lovato Gas when accepted or processed by this latter.

**2.5** Each order must state the exact types, models, quantities, technical specifications and any customization of the products, as well as any other data required by the order forms if any prepared by Lovato Gas or its resellers. The Customer assumes any liability for the incorrect or incomplete indication of the above data in orders forwarded by him.

**2.6** The orders will be accepted or processed by Lovato Gas only at the conditions specified therein, so any special condition

not resulting from the orders will not be valid nor binding for Lovato Gas.

**2.7** Once the order is accepted or processed, the Customer cannot modify the object nor cancel the executed sale contract.

**2.8** All drawings and technical documents relating to the products or their manufacturing submitted by Lovato Gas to the Customer, before or after the formation of the contract, shall remain the property of Lovato Gas. Drawings, technical documents or other technical information disclosed by Lovato Gas to the Customer shall not, without Lovato Gas prior consent, be used by the Customer for any purpose other than for the purchase and use of the products. It is in any case forbidden to the Customer, without the prior written consent of Lovato Gas, any different use, any copying, reproduction, transmission or disclosure of the abovementioned drawings, technical documents or other technical information.

## ART. 3 - TERMS AND WAYS OF DELIVERY

**3.1** If not differently provided into particular conditions, the delivery of the products is always made FCA – Seller's address, goods to be loaded at its headquarters or warehouses wherever placed, regardless of the hauler, carrier or forwarder chosen by the Customer. The costs of loading, transport and insurance are always in charge of the Customer, even if the products are traveling on Lovato Gas vehicles, or by carriers other than those specified by the Customer.

**3.2** All the risks are held as transferred to the Customer from the date of the delivery made according to the above.

**3.3** The products always travel at the risk and danger of the Customer; after delivery has taken place Lovato Gas will not be responsible in any way for loss, damage and fate of the products.

**3.4** Lovato Gas is not liable for delays in delivery due to force majeure, fortuitous event or justifiable reason such as, but not limited to, strikes, riots, earthquakes, other natural disasters, lack of raw material, power and/or IT blackouts, fire, stop of machines and any other cause beyond the will and control of Lovato Gas, such as to prevent, in whole or in part, the execution of the contract within the time and manner agreed. For the late delivery of the products, whether justified or not, higher than 1 (one) month, the Customer cannot ask the termination of the contract or compensation of damages. If the delivery must be made within a specified period of time (i.e. within 30 days from formation of the contract), such period shall start to run as soon as the contract is entered into and all agreed preconditions to be fulfilled by the Purchaser have been satisfied, such as, by way of mere example and without exclusion, official formalities, payments due at the formation of the contract or securities.

**3.5** If not differently agreed between the parties inside the order, the delivery terms are indicative and not essential for Lovato Gas. Deliveries will be made compatibly with the needs of production and shipment of Lovato Gas.





**3.6** Lovato Gas reserves the right to split the products of a single contract in multiple deliveries, or to merge into one delivery the products ordered by Customer with multiple orders.

**3.7** From the moment of delivery to Customer of the notice of goods ready to be delivered, Lovato Gas shall guard products without any liability and will charge the Customer with all costs of lodging or storage for not less than 1% of the price of the products for each week of delay, if this will be more than ten (10) days. In the absence of withdrawal, Lovato Gas will arrange the shipment with the tool that it will consider more convenient, or hold the contract of sale as terminated for delays of more than 30 (thirty) days.

**3.8** Should Lovato Gas ships the products, due to non-collection by the Customer or by written agreement between the parties, Lovato Gas will act as agent of the Customer at the expenses and under the responsibility of this latter.

**3.9** Lovato Gas may suspend the delivery of the products in the event of missed or non-regular payment of the price of previous supplies by the Customer.

**3.10** The products are packed with standard packing suitable to be loaded on ordinary trucks and to be unloaded with suitable and homologated tools. The Customer must anticipate Lovato Gas with the cost of any special packaging required in the order.

**3.11** Unless otherwise agreed in writing, assembly and installation of the products are always to be paid by the Customer.

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## ART. 4 - PRICES

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**4.1** The prices indicated in the price list or catalogs of Lovato Gas are the NET prices because they do not include any taxes, special packaging, transport and insurance costs.

**4.2** The prices can be changed by Lovato Gas in its sole discretion and without prior notice; the modification will apply to all the orders after the modification.

**4.3** The prices specified in the order already submitted by the Customer may be adjusted by Lovato Gas only in the event of changes in the tax system or sudden and unforeseen increases in the raw materials or labor costs, events which the Customer will be firstly informed of, with its power to revoke the order if the changes would bring increases of more than 10% of the price firstly agreed.

**4.4** For any product test, within or outside Lovato Gas seat, the Customer shall pay the related costs in advance.

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## ART. 5 - PAYMENTS

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**5.1** Unless otherwise provided in the order, the products will be invoiced by Lovato Gas at the time of delivery and must be paid in Euro currency. Lovato Gas may send invoices either by letter or electronically pursuant to Article 21 of the Presidential Decree no. 633/72 on VAT, as amended in compliance with the European Directives 45/10. Invoices not challenged in writing

within five (5) working days from their receipt shall be deemed as accepted by the Customer in all their parts.

**5.2** For supply of special products, to be identified from time to time, the Customer shall pay at least 30% of the price in advance at the moment of the order.

**5.3** The Customer must pay all the products without delay and cannot postpone or suspend it or change its terms, not even if case disputes of whatever kind arise, including those relating to the guarantee or other responsibilities of Lovato Gas.

**5.4** In the event of completely missed or partial payment by the Customer, in addition to the provisions of Article 3.9 above, Lovato Gas may withdraw from any other contract with the Customer and not yet enforced, in any event without prejudice to the compensation of the higher damages.

**5.5** The incomplete or missed payment within the terms agreed in the order will always constitute a serious nonfulfillment of the Customer, with faculty upon Lovato Gas to terminate immediately the contract through registered letter with return receipt requested without the need of prior formal notices or statements. In any case the missed payment even of a single invoice due and anyhow the partial nonfulfillment will be a sufficient condition for the Customer to fall from the benefit of installment payment according to Article 1186 of the Italian Civil Code, with right of Lovato Gas to require the immediate payment of its total credit already due and close to its due date.

**5.6** Are to be considered as payments in full only those made directly to Lovato Gas in the terms agreed, while other forms of payment, postponements or extensions must only be held as facilitation of the fulfillment. Payment made by bank checks, promissory notes or other debt securities shall be always intended as "subject to collection" and with exclusion of any novation of the original obligation.

**5.7** In case of default, without prejudice to greater damages pursuant to Article 1224 of the Italian Civil Code, it will be applied automatically in favor of Lovato Gas interests in the amount established by Legislative Decree no. 231/02.

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## ART. 6 - RETENTION OF OWNERSHIP

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**6.1** In case of sale made on installment basis the products remain in the exclusive property of Lovato Gas until full payment of the price. Failure to pay even one installments equal or higher than the eighth part of the price, or the failure to pay even non-consecutively two or more installments, will entitle Lovato Gas to terminate the sale, claiming the title of the products and holding as indemnification the amounts already collected, or to demand immediate payment of the remaining total price with automatic forfeiture of benefit of payment on installment basis as stated in Article 5.5 above.

**6.2** The Purchaser shall at the request of Lovato Gas assist him in taking any measures necessary, if any, to protect Lovato Gas's reservation of title. The retention of title to Lovato Gas shall not affect the passing of risk under Article 3.2 above.



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## **ART. 7 - MARGINAL TECHNICAL MODIFICATIONS**

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**7.1** Without altering the essential characteristics of the products ordered, Lovato Gas has the faculty to modify, even after the conclusion of the contract, manufacturing details and/or technical specifications of the products without obligation to notice the Customer.

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## **ART. 8 - WARRANTY**

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**8.1** The acceptance of the product by the shipper, the carrier or any other charged of the collection by the Customer, will demonstrate the good condition of the packaging of the products upon delivery.

**8.2** Lovato Gas warrants that the products are compliant to the technical specifications declared, that they are free from faults and defects, as well as about their safety in accordance with the standards in force at the time of their placing on the market.

**8.3** Lovato Gas rejects any liability for any kind of damages, whether direct or indirect, caused to people or things that are not related to the use that it could be reasonably expected at the time when the products were made.

**8.4** Unless otherwise agreed in written in the particular conditions put in the order, Lovato Gas grants a warranty on mechanical and electronic parts of the products of 24 (twenty-four) months from the date of production marked on the product itself. The efficiency of the guarantee is subject to the timely reporting of the defects within 8 (eight) days from the delivery of products for those defects immediately detectable, and within 8 (eight) days from the discovery for the hidden defects.

**8.5** Upon complaints promptly and justifiably proposed and accompanied by the information required, Lovato Gas will perform its warranty interventions in reasonable time at its registered office or, at its indisputable discretion, at a service center of its trust. To that purpose the products must be sent by the Customer at the headquarters of Lovato Gas or at the service center indicated by the same.

**8.6** Lovato Gas, at its sole discretion, will replace with new or repaired products which recognize defective or non-conforming and inform the Customer about their readiness for dispatch at Lovato Gas headquarter.

**8.7** Repairs carried out under guarantee do not involve any renewal or extension of the term of the guarantee.

**8.8** The guarantee does not apply if the product is combined with components not marketed by Lovato Gas or have not been observed the warnings and prescriptions supplied or expected according to a normal criteria of diligence.

**8.9** During the warranty periods, as set out in Article 8.4 above, Lovato Gas ensures that its products are free from faults or defects in materials and workmanship, provided that the products are in

normal conditions of use and maintenance. The warranty does not cover parts subject to normal wear and tear, defects or non-conformities of functioning and damages caused by improper use or maintenance of the products as provided in the manual or any other warning, education or prescription by Lovato Gas. The guarantee will not even be applied to what originates from any tampering of the products or any fact, conduct or omission attributable exclusively to the Customer or its assignees.

**8.10** Lovato Gas will not be liable in any circumstances for any damage caused by defective products or non-compliant and that in express derogation of Article 1494 of the Italian Civil Code.

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## **ART.9 - RETURNED PRODUCTS**

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**9.1** Any returns of product must be authorized in advance by Lovato Gas, who will assign a return authorization number to which the Customer will make reference in the relevant documents.

**9.2** Lovato Gas will not accept returns of products or accessories not manufactured or marketed by itself and without the authorization reference number.

**9.3** Lovato Gas will not accept returns of products that, due to lack of adequate protective packaging or for other reasons, will result not complete in some of their parts.

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## **ART. 10 - ASSIGNMENT OF THE AGREEMENT**

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**10.1** In case of assignment of the agreement, even if accepted by Lovato Gas, the Customer shall remain jointly and severally liable with the assignee for the payment of the price of the products.

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## **ART. 11 - VENUE AND GOVERNING LAW**

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**11.1** Any dispute concerning these General Conditions as well as the validity, interpretation, execution and termination of any contracts of sale of products regulated by these General Conditions and by those specific indicated in each order, will be the exclusive jurisdiction of the Court of Vicenza (Italy), without prejudice to Lovato Gas's faculty to act before the Court of the place where the Customer has its registered office or its real activity.

**11.2** These General Terms and Conditions as well as the sales contracts governed by them are governed by Italian law, with the exclusion of the Vienna Convention of 1980 about the International Sale of Goods.



## ART. 12 - PRIVACY

**12.1** With the forwarding of the purchase order, it's deemed that the Customer has read the notice pursuant to Article 13 of Legislative Decree no. 30th June 2003 no. 196 (Code for the protection of personal data) also available on the website [www.lovatogas.com](http://www.lovatogas.com) so allowing the processing of personal data by Lovato Gas for the purposes and in the manner specified in that notice.

Acknowledged the General Terms and Conditions of sales listed in this order and available on Lovato Gas web site [www.lovatogas.com](http://www.lovatogas.com), of which it has taken full knowledge, in accordance to articles 1341 and 1342 of the Italian Civil Code the Customer declares to have carefully read and understood and to accept all the terms and conditions of Lovato Gas's General Terms and Conditions of sale and in particular the following articles: 2.1 (applicability of the General Terms and Conditions of sale and particular conditions in the orders), 2.3 (automatic acceptance of the General Terms and Conditions of sale), 2.5 (Customer liability for mistakes in the orders), 3.4 (limitation of liability and actions), 3.7 (costs for late collection of products), 3.9 (suspension of delivery in case of late payments), 4.3 (price increase), 5.1 (acceptance of Lovato Gas's invoices), 5.3 (Customer limitation of claims), 5.4 and 5.5 (Lovato Gas's remedies to Customer missed or late payment), 6.1 (retention of ownership), 8.1 (acceptance of products), 8.3 (Lovato Gas's limitation of liability) 8.4 (timely report of alleged defects), 8.8, 8.9 and 8.10 (exclusion of warranty and Lovato Gas limitation of liability), 10 (assignment of the agreement) and 11 (venue and governing law).





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## NOTES

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## NOTES

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