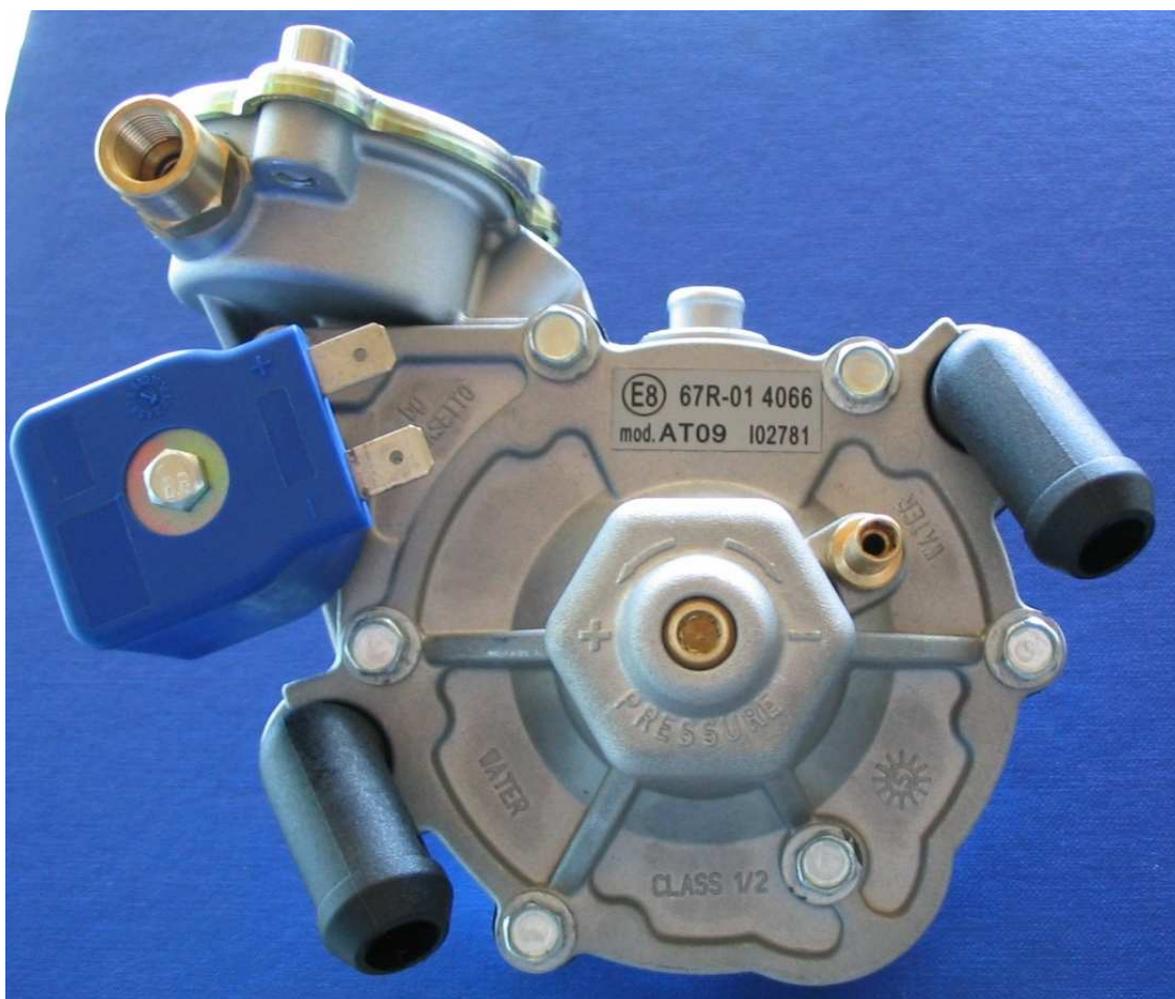


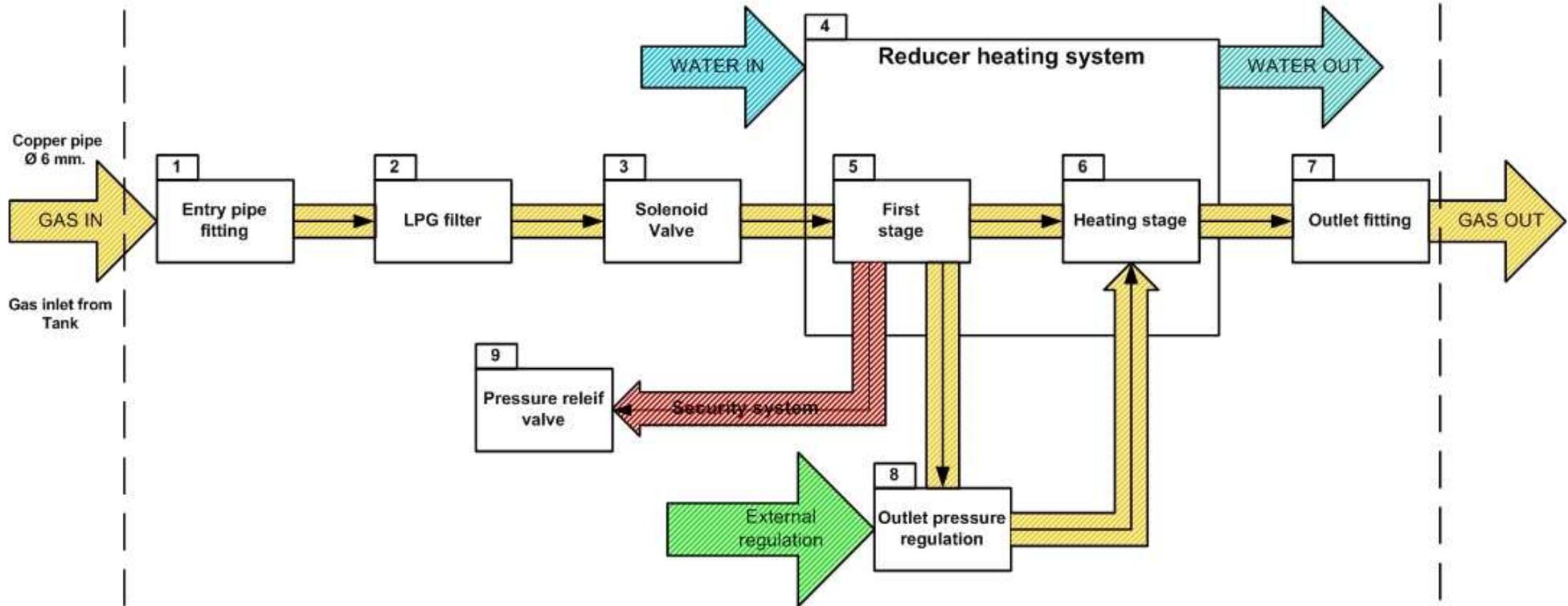
LPG REDUCER AT09 “ALASKA” TYPE

ECE 67R – 01



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Technical description of components

1	Entry pipe fitting	Fitting for copper pipe carrying LPG from tank
2	LPG Filter	Component used to clean the LPG coming from tank
3	Solenoid Valve	Normally closed, has the function to intercept and stop the LPG flow when the engine is not running or powered by petrol.
4	Heating chamber	To prevent the freezing of the LPG, a heating chamber, obtained on the reducer body, is connected to the engine water cooling circuit by two orientable fittings. The warm fluid laps base and walls of the chamber, heating them.
5	Reducer 1° Stage	Chamber that allow a reduction of pressure of the LPG
6	Heating Stage	Additional heating element where the LPG obtain a better evaporation.
7	Outlet fitting	Fitting for copper pipe at the outlet of the reducer, to the engine
8	Outlet pressure regulation	Allows a manual regulation of the outlet pressure in order to meet the requirement of the different automotive engines.
9	Pressure relief valve	Valve with a retaining spring that allows the relief of the LPG in vapour phase from the reducer, in case of overpressure.

Technical data

Material	Die cast aluminium body, CNC machined, with aluminium added heating stage.
Weight	~ 1,50 kg (without accessories)
Max. inlet pressure	3 MPa
Outlet pressure	Variable from 90 to 180) KPa (when tested non connected to the engine)
Solenoid voltage	12 V dc
Solenoid power dissipation	17 W
All other functional and environmental characteristic:	According to Regulation ECE 67R - 01
Engine power	<p>Suitable for medium power engine (from 60KW to 100 KW / 90 to 136 HP) operating at ambient temperature not lower than -10° C.</p> <p>Ambient temperatures lower than the indicated limit could reduce the efficiency of the LPG reducer and the performances of the engine.</p> <p>In case of operation at temperatures permanently higher than the indicated limit, the LPG reducer can be used on engines having power exceeding the range above indicated.</p>

Overall dimension

P	120 mm.
L	150 mm.
A	135 mm.

