

ECONOMIC GROUNDING FOR THE PROFITABILITY OF A COMPLETE ASSEMBLY OF METHANE LPG SYSTEM WITH A BRAND **BRC**

Dear Sirs,

My name is Lubo Ganev – manager of Remix Bulgaria LTD Company, which is exclusive agent for Bulgaria of the Italian company **BRC** for methane LPG system. I would like to offer you economic grounding of a complete assembly methane LPG system. First, I would like to specify the proportion of each characteristics of the compressed natural gas at 200 bar/g :

1. Selling price of an end customer at a gas filling station – 1,30 lv/kg

1 m³ methane = 4 liters methane = 0,71 kg methane = 0,923 lv with included VAT (selling price at a gas filling station)

1 kg methane = 5,6 liters methane = 1,4 m³ methane = 1,30 lv with included VAT (selling price at a gas filling station)

1 liters methane = 0,25 m³ methane = 0,178 kg methane = 0,231 lv with included VAT (selling price at a gas filling station)

The proportion methane – gasoline and methane - propane-butane is as follows:

3,2 liters methane = 0,571 kg methane = 1 liter gasoline = 0,742 lv with included VAT (selling price at a gas filling station)

3 liters methane = 0,535 kg methane = 1 liter propane-butane = 0,695 lv with included VAT (selling price at a gas filling station)

1 kg methane = 5,6 liters methane = 1,750 liters gasoline= 1,30 lv with included VAT (selling price at a gas filling station)

1 kg methane = 5,6 liters methane = 1,867 liters propane-butane = 1,30 lv with included VAT (selling price at a gas filling station)

Example: A car with an expense of 9 litres/100 km gasoline or 11 litres/100 km propane-butane. LPG system BRC at a price of **857 lv no VAT added** with a methane cylinder with capacity **58 liters – 10,32 kg** compressed by pressure of 200 bar/g is fixed on the car. The car is able to pass **200 km** with this cylinder with one filling only. With methane system you can save **4,87 lv/100 km** or 10,80 lv for the whole run compared to propane-butane system. Comparing methane system to gasoline expense, it appears that the saving is **13,12 lv/100 km** or 26,24 lv for the whole run of 200 km. Therefore, the payment of the system shall be after a run of **6532 km** or about **2-3 months**.

Fuel	Expense	Price	Price per 100 km
Gasoline	9 liters/100 km	2,20 lv/kg	19,80 lv
Propane-butane	11 liters/100 km	1,05 lv/kg	11,55 lv
Methane	28,8 l or 5,143 kg/100 km	1,30 lv/kg	6,68 lv

For any further information you can contact me at tel. **0888-330053** or at my office tel/fax: **02-8629057**.

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Yours faithfully:

Lubo Ganev