

**VOSGES srl**

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**STEPS TO BE TAKEN FOR THE CORRECT INSTALLATION  
AND PROPER PERFORMANCE OF VOSGES SUPER  
CATALYZER**



**NEW FUNCTIONALITY WITH THE APPLICATION OF  
MAGNETIC CATALYZER SUPER CATALYZER**

## **FUEL: GAS METHANE**

1. After checking the equipment on which the Vosges apparatus has to be mounted, the weekly gas consumption and production must be verified at the meters for, at least, four weeks.
2. After having verified the model of the equipment based on the data required by the same (see our technical form), and before installing the Super Catalyzer, make a complete analysis of smoke and combustion and take records of the data, including the instant consumption at the moment.
3. If possible, check the time needed to bring the boiler to its full working capacity.
4. Install the Super Catalyzer on the gas pipe inject, after the stabilizing valves.
5. At this point it must be noted that on account of the strong magnetic field on the fuel, the combustion velocity will increase, and moreover the thermic performance. In view of the above it might be necessary to reduce the amount of gas on the head of the burner or on the modulator, beginning from 10%, consequently it must be reduced the O<sub>2</sub> at the minimum it's possible.
6. Leave the equipment as it is for some time so it may stabilise.
7. Make the analysis of the smoke again and, if necessary, make corrections to obtain the optimal value, including the colour of the flame which should be as near as possible to blue marine.  
In such working conditions the burner and the boiler will give the best performance and therefore the heat obtained will be perfect and total.
8. It must be noted that the theoretical point of absolute combustion is obtained with the following values :

$$\text{CO}_2 + \text{O}_2 = 11.74$$

9. To verify the previous data check again the time necessary to obtain the best value.
10. Check again, at the meters and with the same weekly frequency, the consumption and the production, compare them with the consumption and the production before the installation of Vosges Super Catalyzer.