

First course and international seminar in Italy

23 April– 2 May, 2017

Masonry brick stoves with free gas circulation with participation of Igor Kuznetsov

Good morning to all stove manufacturers, professionals and amateur stove builders!

We would like to invite everyone to a theoretical and practical workshop about the construction of brick stoves with "free gas circulation " by Igor Kuznetsov.

The seminar takes place in the Region of Liguria, near the city of La Spezia, in the village of San Pietro Vara, Italy from 23 April, 2017 for 10-11 days.

During the workshop, we plan to build several stoves with different functions, with a dual combustion chamber (the designs of these models have not been published and are presented during the workshop)

The theory of free gas circulation was invented in Russia during the 20th century by Professor E. V. Grum-Grzhimailo (1864-1928) who developed the theoretical basis. After that S. I. Podgorodnikov (1886-1958) continued his work, and finally Igor Kuznetsov perfected the method that is still under study.

The "Siberian" stoves of Kuznetsov have some special features:

- Dry joint** vertical space of 2-3 cm between fire box and fist bell which allows the gases that do not participate in combustion (nitrogen, etc.: about 70% of air) to separate from the combustion gases (oxygen and hydrocarbon) in the combustion chamber
- this allows the **secondary air of combustion** for clean combustion
- system of **smoke channeling calling double bell**, that allows a slow and optimal transfer of the heat produced. Some stoves, thanks to their mass can also release heat for 2 days after the fire.

Recent tests showed an efficiency of between 92% and 94% and emissions lower than the European standards.

The workshop will include lectures and practice on site to gain experience. The main teacher is an engineer and Russian inventor Igor Kuznetsov. He is known throughout the world for his work on improving masonry stoves (stone and exposed brick, etc.) and masonry boilers.

In addition there will be stove professionals from a non-commercial partnership (Kuznetsov's Stove System Development) who will direct the practical work and show all the details and rules of building a masonry brick stove. We invite manufacturers operating in the stove building, heating



and plumbing industry to present their products and technologies. During the workshop, participants and guests will learn manufacturing techniques and the use of materials in different ways.

The main themes of the seminar-workshop are energy saving and ecology. We will not only cover the topic of stoves, but also that of other appliances: furnaces, boilers, etc., their impact on health and many other issues. We hope that all participants, representatives of producers and teachers will want to share new ideas and exchange experiences.

Place: the workshop will take place in the beautiful Ligurian hinterland in the locality San Michele, Lungoborsa road near the village of San Pietro Vara (La Spezia, Italy)

The program of the seminar:

1. Practical construction and presentation:

- presentation of the different possibilities with thousands of stoves built with this system
- construction of a masonry heating stove that also produces domestic hot water
- construction of a masonry stove + cooking oven
- construction of a masonry boiler which supplies the heating for the radiators
- presentation of projects for outdoor complex stoves (bread oven, economic masonry stoves, barbecue)
- introduction to manufacturers, service providers, traders of products



2. Theoretical seminars

- the free movement of gas in Kuznetsovs stoves
- clean combustion process
- measurements of a masonry stove and energy needs of the house
- optimal positioning of the stove in the house
- common mistakes in the construction of masonry stoves
- chamber of fumes (a system that makes it possible to connect three different stoves that work simultaneously through a single flue)
- fire safety
- the materials for the stove (ceramic, refractory and clay) and their impact on health
- questions and answers



Registration and payment:

Participation fee: € 550

Meals and lodging: € 20 per day (only meals 3+6+6)

Minimum participant 16 max 25 person

For registration you have to make a deposit of 100 eu

Azienda Agricola S. Isidoro di Garbelli Mariachiara

Banco Popolare di Varese Ligure IBAN IT77K050344986000000000526

For Registration, information on how to reach the place, the accommodation, meals:

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Non-commercial partnership " Kuznetsov's Stove System Development"

www.stove.ru

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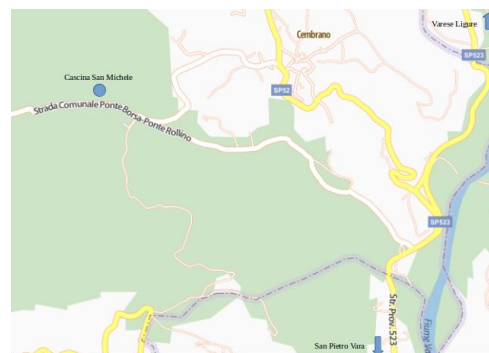
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Partnership



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