

PROPANE FORGING FURNACE

H3



50 years
manufacturing industrial machinery



VIDEO MACHINE OPERATION

Machine performance video



REQUEST QUOTATION

Please fill up the following form. We will contact you in less than 24 hours.

Working days

**REQUEST ADJUSTED
QUOTATION**

SOME OF OUR CUSTOMERS

Our customer's endorsement is our best business card



CERTIFICATES AND ACCREDITATIONS

Some of the certificates that support our processes and benefit our customers



INNOVATIVE SME

Valid until May 31st 2026



**CONCESSION
OF AUTHORIZED
EXPORTER
AUTHORIZATION**

ESEAOR23000312

If you're looking for a clean, safe flame which makes you turn steel into its red hot point so you can shape it, the Propane Furnace Nargesa is the one. It will be for sure your best choice!



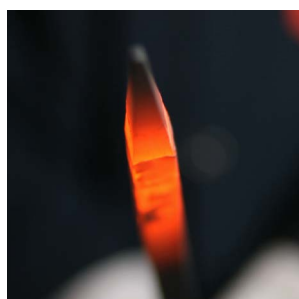
Horseshoes



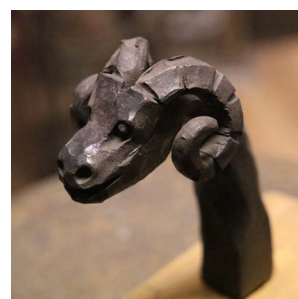
Forging
decoration



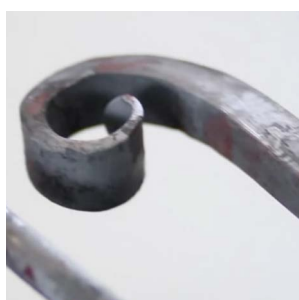
Knives
Swords
Axes



All sort of
designs for
artistic forging



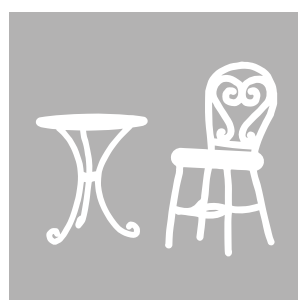
Iron garden
furniture



Sculptures
in iron



Wrought iron
chairs and
tables

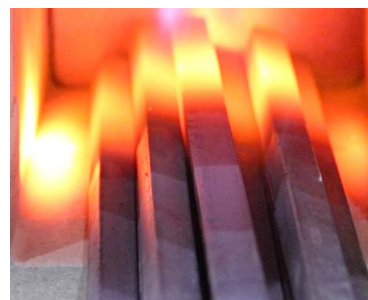


It is a good
substitute for
the old Forge,
much cleaner,
faster and more
efficient



+info H1

1 BURNER



+info H2

2 BURNERS



+info H3

3 BURNERS

PROPANE FORGING FURNACES

NEW Propane forging furnaces Nargesa are equipped with one, two or three burners to heat the iron and work it: molding, bending, piercing, welding, tempering, forging, shoeing horses...



SAFER

It has got new security systems for the operator. Fulfilling the regulation RD919/2006. Certified by the Technological Center APPLUS, General Laboratory for Testing and Investigation.



MORE EFFICIENT

Consume up to 75% less gas and reach a higher temperature than any oven in its category. More than 1300°C.



RESPECTFUL WITH THE ENVIRONMENT

Emissions below 0.002% of CO. Internal vermiculite coating, 100% natural and recyclable.



SAFETY OF THE OPERATOR

The safety of the operator is one of the main premises when designing all Narges machines. The H3 forging furnace has got all the necessary safety devices for the well-being of the operator that will handle it and it is according to the Regulation of appliances that use gas as fuel RD919 / 2006.

Automatic electronic ignition Prevents the operator from inserting his hands in the combustion chamber to turn on the gas. No tool is necessary to generate the spark.

Gas system integrated in the oven structure The components were totally protected from impacts that could damage and cause leaks.

Insulation of the combustion chamber These elements are formed by a 100% natural material, compacted vermiculite, not harmful to health. 100% recyclable as it does not include glass fibers or ceramics.

Thermocouple safety valve This device closes the passage of the gas when the combustion chamber cools due to an anomaly, avoiding any possible leak.

Anti-return valve This valve regulates the direction of the gas flow preventing it from being addressed to the cylinder.



ENERGY EFFICIENCY

Saving energy is another topic that our R & D department takes into account for the furnace.

Fuel consumption The consumption of Narges furnaces has been reduced in a 75%, that is to say, it consumes 1/4 of the fuel used by the same furnaces in its category. With a LPG propane gas cylinder of 35Kg, the H3 Furnace will operate 35 hours with its three burners at full operation. If we only use one burner, then performance will triplicate.

Gas losses There is no fuel, all the propane gas that enters the combustion chamber burns, without any sort of waste. This process has been possible due to the new burners, which have been designed and manufactured by Narges.



RESPECT FOR THE ENVIRONMENT

It is totally infeasible to manufacture machinery and not to take into consideration the planet we inhabit.

New generation insulating material The insulating material of the combustion chamber, the compacted vermiculite, is a 100% recyclable material and does not generate waste, increasing the heating (thermic) power of the cavity, over 1300°C.

CO Emissions The emissions emitted by the furnace are 0.002%. In normal environment this value is between 0 and 2. Certified by the General Laboratory of Tests and Investigations: APPLUS Technology Center.

Applus⁺
certification

TECHNICAL FEATURES

All burners can operate independently

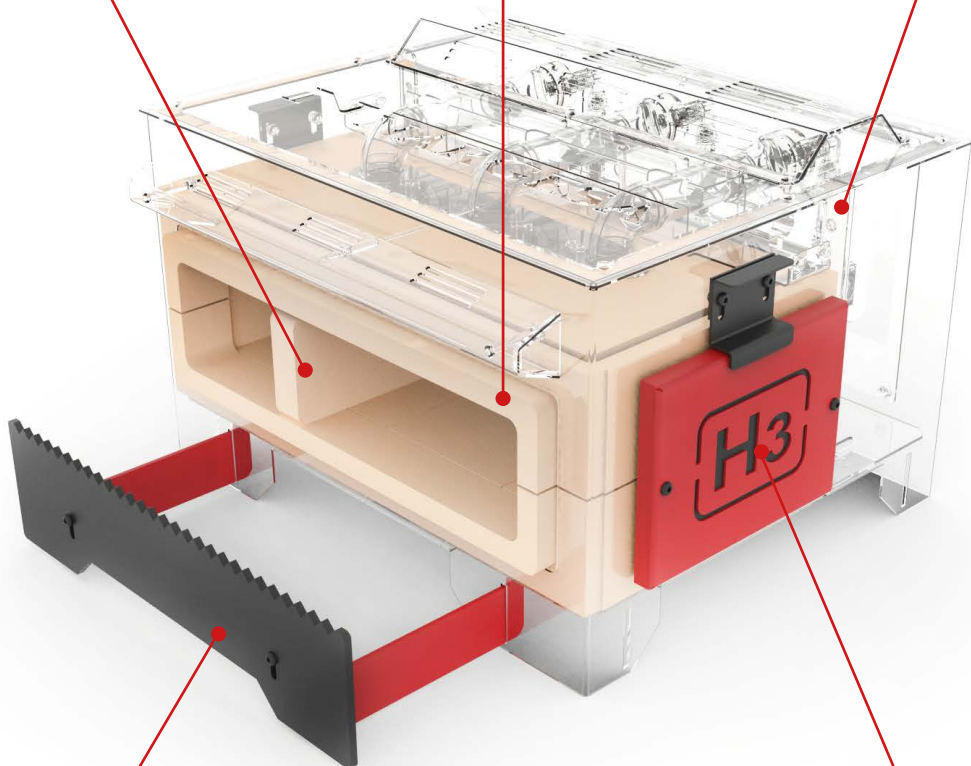
A vermiculite separator is supplied with the Oven to reduce the size of the combustion chamber and thus the heat is not dispersed.

Insulation of vermiculite

Double insulation of compacted vermiculite, to avoid heat loss. Insulating flange in the material inlets to keep the heat inside the combustion chamber.

Painting

The furnace is covered with heat painting to protect.



Integrated bar support and adjustable to the different lengths of material

Its shape prevents the material from sliding laterally.

Removable side doors

To work in the center of the iron bars. The doors are installed without using tools.

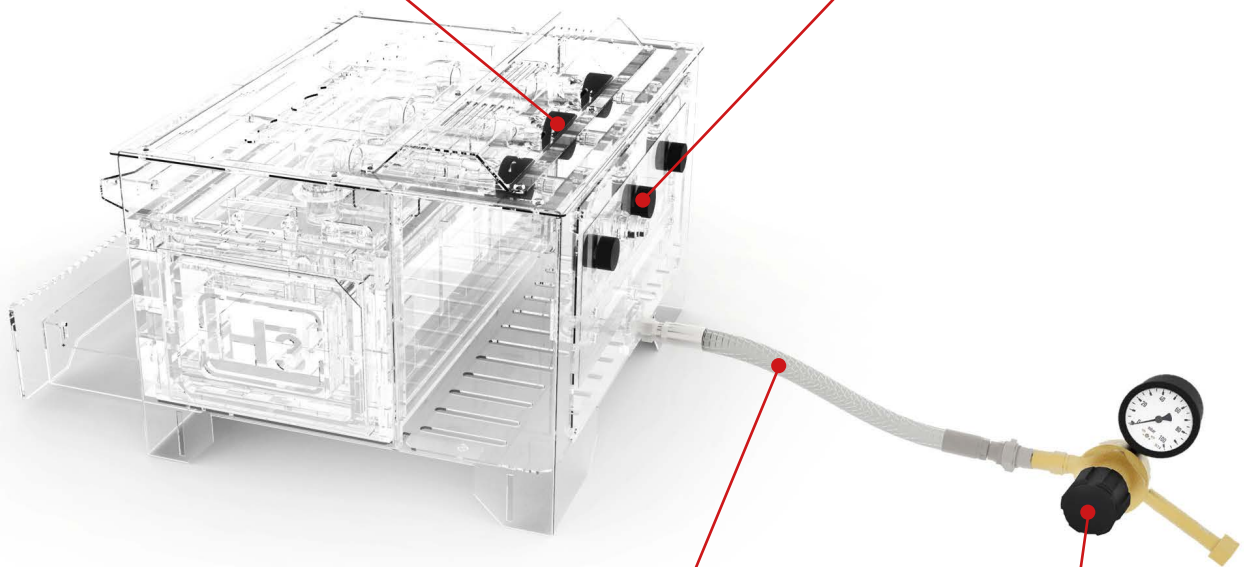
All components are standard and easy to find in any warehouse or hardware store

Air flow regulator

To adjust this size to the different altitudes. Depending on the work place of the furnace and its altitude regarding the sea, the air flow for the mixture of gas and marine air will be regulated, the suitability for a good combustion.

Needle flow regulation valves

Allow the accurate regulation of gas flow.



Gas hose made of stainless steel

This characteristic prevent it from collapsing and burning. This hose does not expire, so it is not necessary to replace it.

Precision pressure regulator with built-in pressure gauge

Allows to adjust the gas pressure more precisely.

To regulate the performance of Furnace H3 we have a control panel that enables us to keep the whole operation of the machine in a simple and intuitive way

Gas valve

The Control panel has got three valves for the opening of the gas entrance to the Burners. The operator controls them in order to obtain more or less gas flow.

Electronic switching

Is the one that activates the spark plug and generates the spark to light up the Burner.



Thermocouple pushbutton

Is the one that opens the valve to get the thermocouple activated. This valve opens the path to the Gas valves

DETAILED FEATURES



H1

Fuel type	Propane gas (GLP) Ad-
justable working pressure	0.1 - 1.5 bar
External dimensions	310x450x370 mm
Size of combustion chamber	140x236x100mm
Weight	27 Kg



H2

Fuel type	Propane gas (GLP) Ad-
justable working pressure	0.1 - 1.5 bar
External dimensions	500x440x370 mm
Size of combustion chamber	324x240x100 mm
Weight	40 Kg



H3

Fuel type	Propane gas (GLP) Ad-
justable working pressure	0.1 - 1.5 bar
External dimensions	510x580x370 mm
Size of combustion chamber	464x240x100 mm
Weight	53 Kg

Maximum temperature



Nr of burners



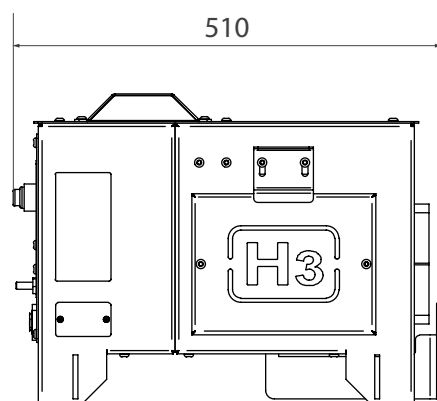
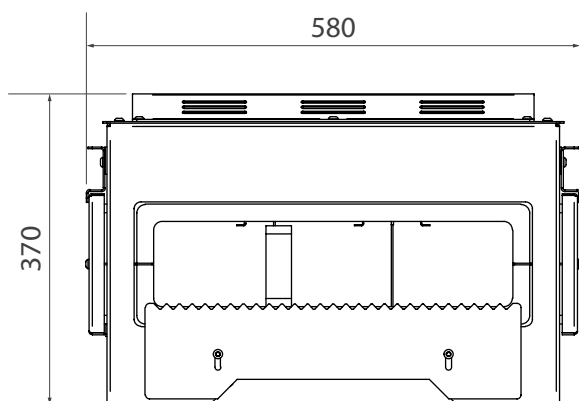
Power (Hi)



Gas intake as 1 per bar
x 1 burner
x 2 burners
x 3 burners



EXTERNAL DIMENSIONS



CHARACTERISTICS OF THE PACKAGING

- Tariff Item Code: 84171000
- Gas furnace is delivered completely mounted.
- Complete wooden packaging NIMF15.

H3

Width	800 mm
Length	600 mm
Height	600 mm
Volume	0,288 m ³
Nett weight	53 Kg
Gross weight	63 Kg

OUR RANGE OF MACHINERY



+info IRON WORKERS



+info SECTION BENDING
MACHINES



+info NON-MANDREL PIPE
BENDER



+info HORIZONTAL PRESS
BRAKES



+info TWISTING/SCROLL
BENDING MACHINES



+info HYDRAULIC PRESS
BRAKES



+info HYDRAULIC SHEAR
MACHINES



+info GAS FORGES



+info IRON EMBOSSING
MACHINES



+info END WROUGHT IRON
MACHINES



+info BROACHING MACHINES



+info POWER HAMMERS



+info PRESSES FOR LOCKS

WARRANTY

Narges machines have 3 years warranty provided that the customer registers it in our website. Otherwise it would be only one year warranty. This one encloses any manufacturing default all along these 3 years for components. Any misuse is excluded from this condition. Labor, back and forth shipping and any eventual repair, are not included in this warranty.

Partner companies



SHIPMENT EVERYWHERE

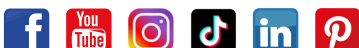
Narges will arrange transport up to final destination, whenever the customers asks for so. There is also the possibility for the customer to arrange the shipment himself with his own agency.

TECHNICAL ASSISTANCE

All our customers have access to technical support quickly and efficiently.

90% of incidences are solved out on the phone, mail, Skype or videoconferencing in less than 24hours. In case of needing presencial technical assistance, we may as well send a technician to the customer's facilities.

Follow us on



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