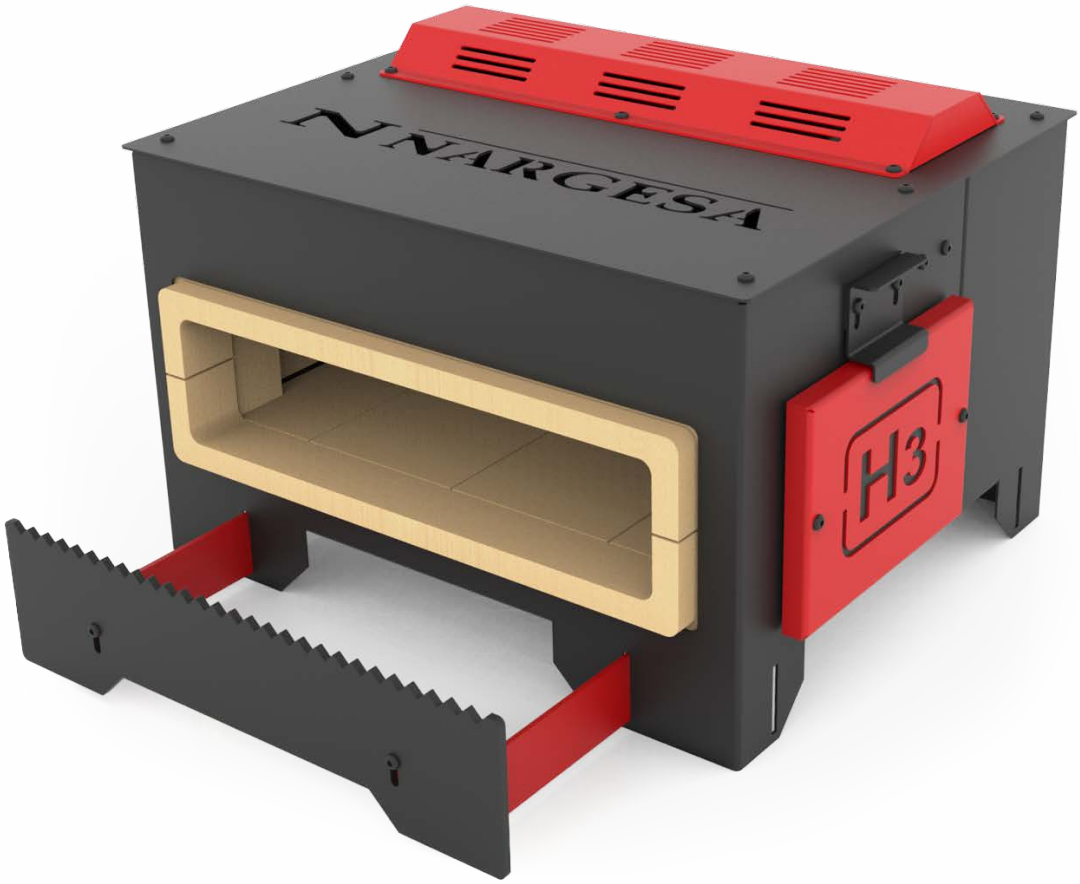
NARGESA®

PROPANE FORGING FURNACE

H3



WARRANTY 3 THREE YEARS

MADE IN SPAIN MADE IN

CERTIFICATE Nº 18 RG014

AENOR
R&D&I MANAGEMENT
UNE 166002

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

Talgo · AIRBUS · NISSAN · TOYOTA · American Chopper · Gestamp · Schneider Electric · Red Beard's Garage · equinor

CERTIFICATES AND ACCREDITATIONS

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

AENOR
R&D&I MANAGEMENT
UNE 166002

INNOVATIVE SME
Valid until May 31st 2026
GOBIERNO DE ESPAÑA · MINISTERIO DE CIENCIA E INNOVACIÓN

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





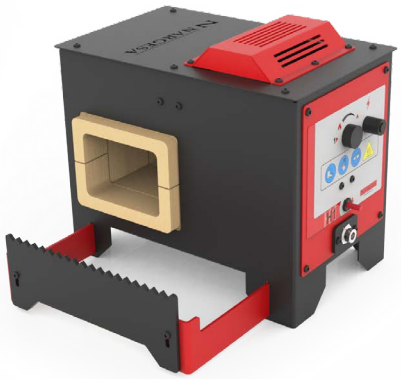
Sculptures in iron



Wrought iron chairs and tables

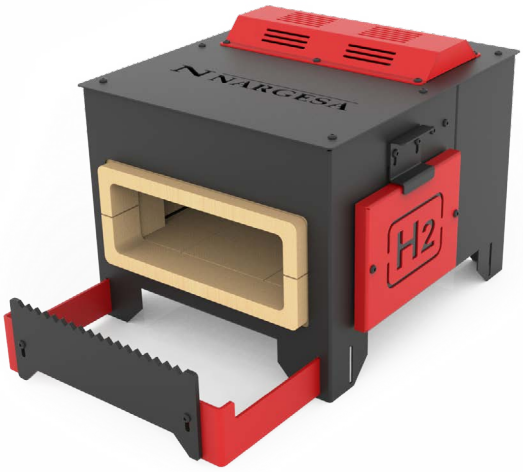


It is a good substitute for the old Forge, much cleaner, faster and more efficient



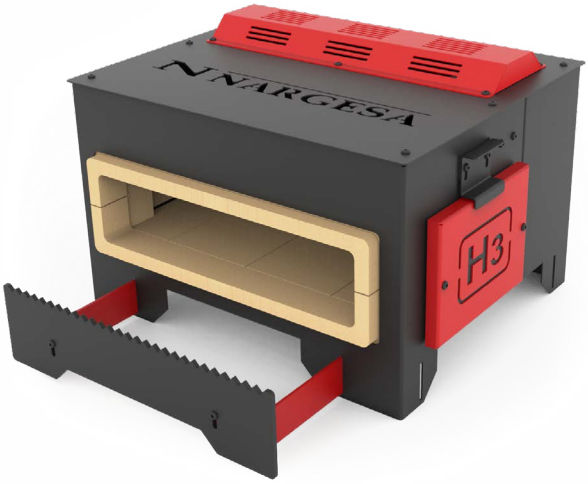
+info H1

1 BURNER



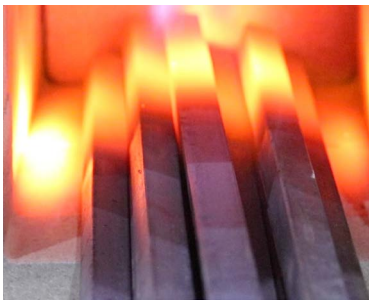
+info H2

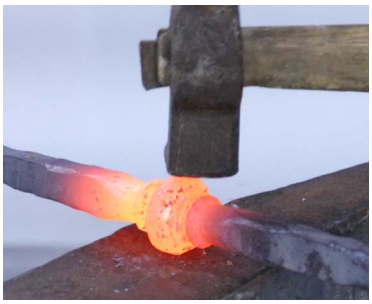
2 BURNERS

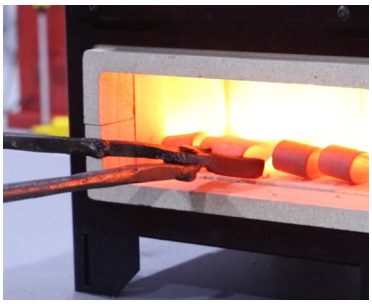


+info H3

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 1300ºC.



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 Nargesa 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 Nargesa 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 Nargesa.

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 1300ºC.

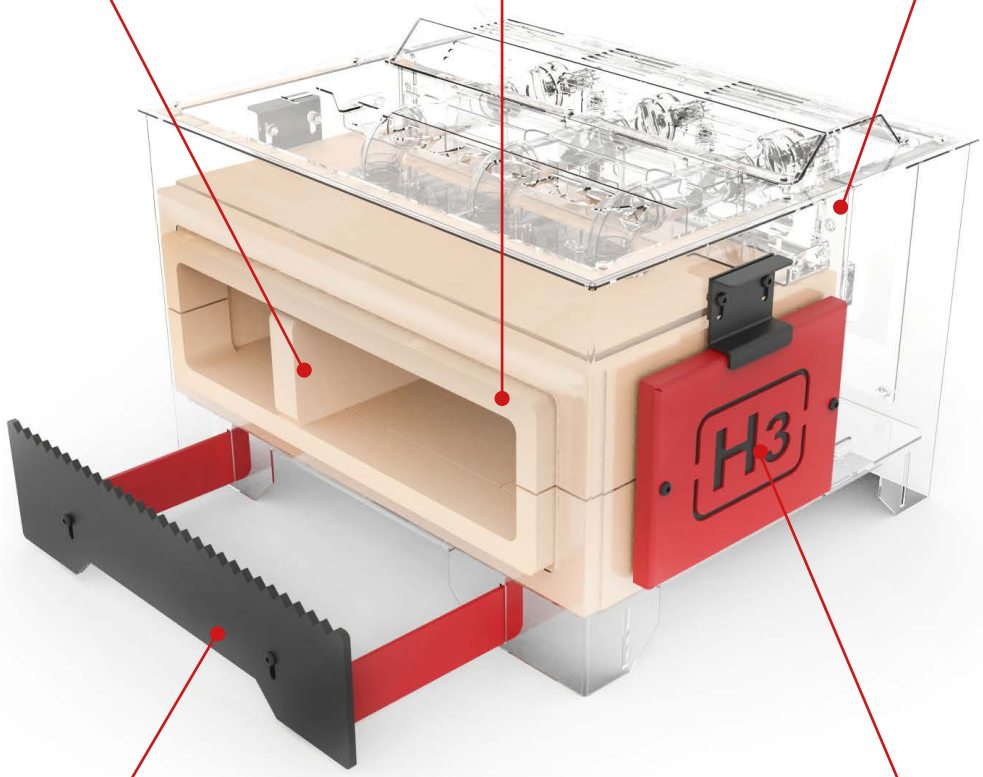
CO Emissions The emissions emitted by the furnace are 0.002%. In normal environment this value is between 0 and 2. Certified by the General Laboratory of Tests and Investigations: APPLUS Technology Center.

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.

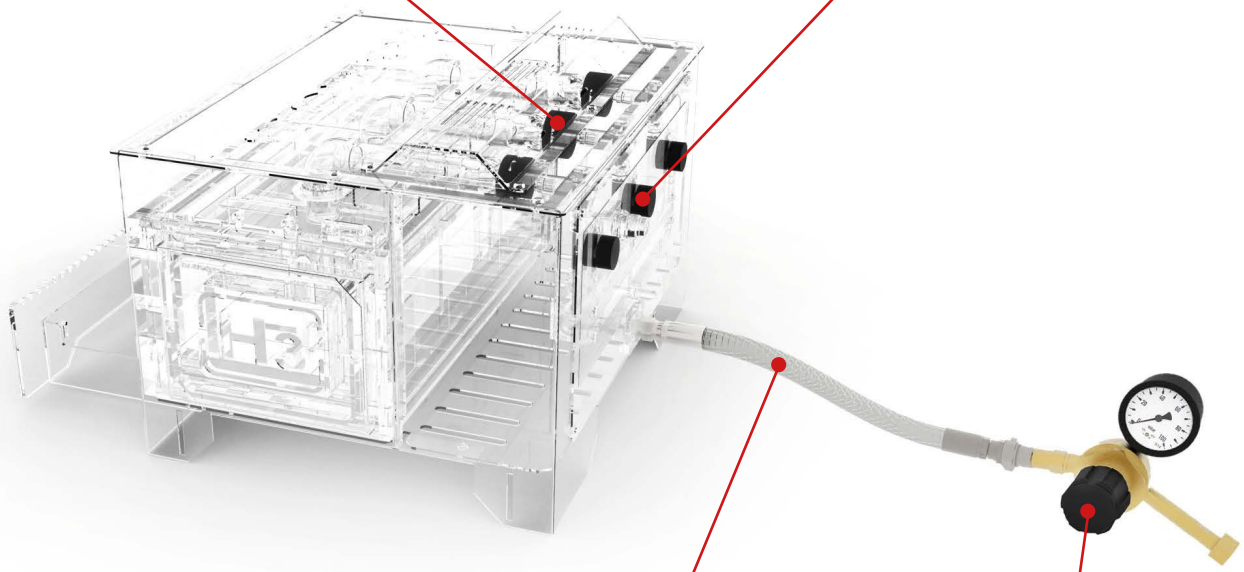
All components are standard and easy to find in any warehouse or hardware store

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 threes valves for the opening of the gas entrance to the Burners. The operator controls them in order to obtain more on 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 the get the thermocouple activated. This valve opens the path to the Gas valves

DETAILED FEATURES



H1

Fuel type	Propane gas (GLP)
Adjustable working pressure	0.1 - 1.5 bar
External dimensions	310x450x370 mm
Size of combustion chamber	140x236x100 mm
Entries dimensions	140x100mm
Weight	27 Kg



H2

Fuel type	Propane gas (GLP)
Adjustable working pressure	0.1 - 1.5 bar
External dimensions	500x440x370 mm
Size of combustion chamber	324x240x100 mm
Entries dimensions	280x100mm (front) 140x100mm (side)
Weight	40 Kg

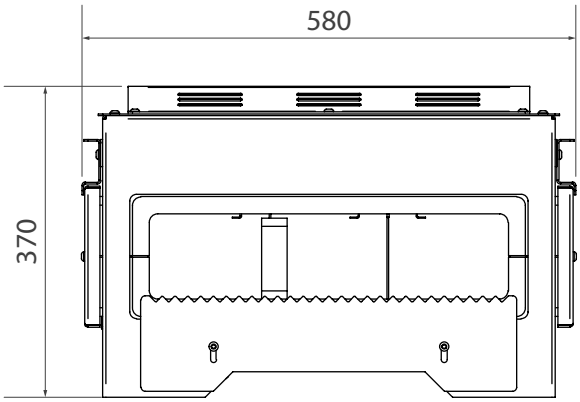


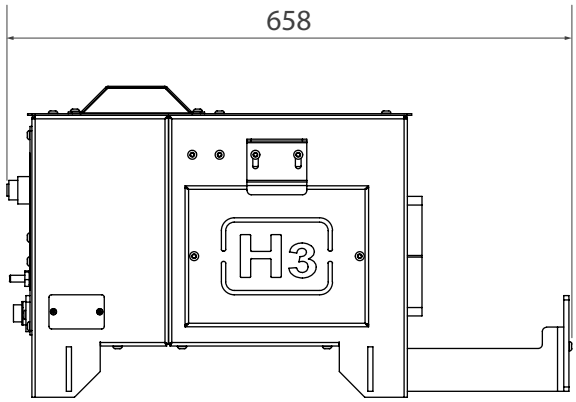
H3

Fuel type	Propane gas (GLP)
Adjustable working pressure	0.1 - 1.5 bar
External dimensions	510x580x370 mm
Size of combustion chamber	464x240x100 mm
Entries dimensions	420x100mm (front) 140x100mm (side)
Weight	53 Kg

Maximum temperature			1300 ºC 1300 ºC 1300 ºC
Nr of burners			1 2 3
Power (Hi)			4 kW 8 kW 12 kW
Gas intake as 1 per bar	x 1 burner x 2 burners x 3 burners		0.35 Kg/h 0.7 Kg/h 1 Kg/h

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 NON-MANDREL PIPE BENDER



+info HORIZONTAL PRESS BRAKES



+info SECTION BENDING MACHINES



+info CNC SECTION BENDING MACHINES



+info LASER WELDING EQUIPMENT



+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 BLACKSMITH FORGING PRESS

WARRANTY

Nargesa 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

Nargesa 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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CE

This information might undergo changes