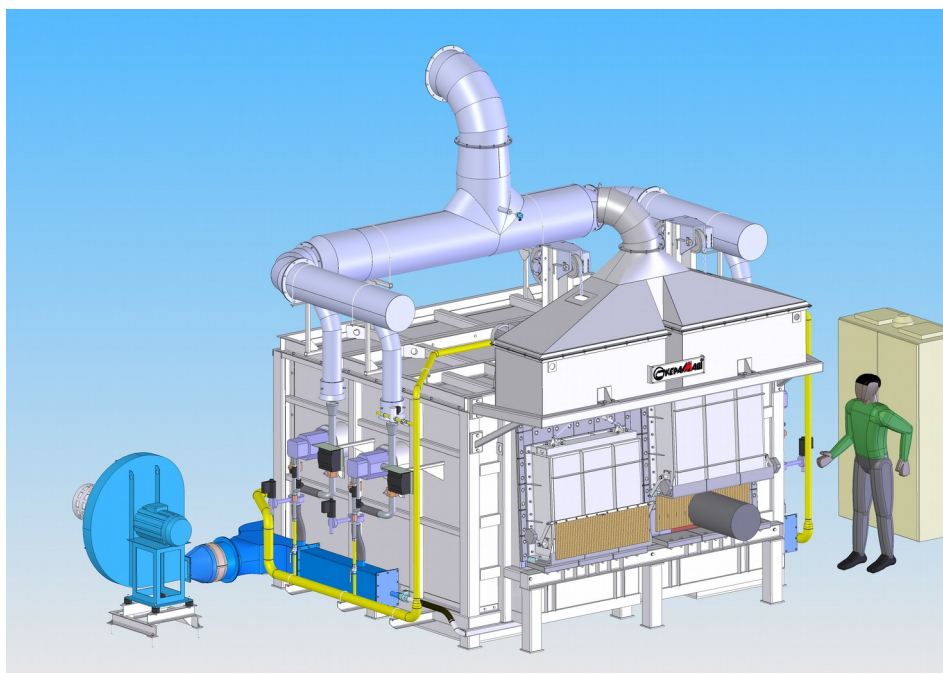


CHAMBER HEATING FURNACE with stationary hearth gas heated series Rc.



Industrial heating gas furnace with stationary hearth ("forging furnace") type **ТермоГаз® - ГО (ThermoGas)** are designed for intermediate steel products and steel blanks heating for forging and press forming. Furnaces are simple in design, universal in application. Heated products may vary in shape and weight, besides the special modification allows working with half-open damper,

heating only the ends of long workpieces. Furnaces are equipped with high-efficiency recuperative burners Recumat® produced by WS Wärmerprocesstechnik Company. The burners provide the combustion air preheating and are equipped with all the necessary valve train, sensors, automatic control and fan control. The burners control is pulse firing. Most of the flue gas are evacuated through the burner due to the eductor function, a small portion of the flue gases is removed through an additional opening in the furnace isolation that allows maintaining a slight excessive pressure in the furnace.

Special burner modification allows us to provide the flameless fuel oxidation in FLOX operation - which reduces significantly the formation of nitrogen oxides in flue gases (modification Rcf). Furnaces with Rch modification have the greatest efficiency due to the use of the burners with the best characteristics of combustion air heating.

Furnaces have highly efficient fiber insulation allowing reduce significantly furnace heat saturating time from the cold state, to provide a significant reduction in gas consumption.

By design features the forging furnaces are divided into single-chamber furnaces (modification "-HO-") or two-chamber with two separate dampers (modification "-2NO-").

Operating furnace temperature is 1300°C.

The name	Furnace dimensions*, mm			Nominal load, kg	Number of burners/The installed capacity, pieces/KW	Efficiency, kg/hour*
	Width	Length	Height			
ТермоГаз® - HO-8.6.5/1300 - Rch	800	600	600	200	1/100	260
ТермоГаз® - HO-9.10.5/1300 - Rc	900	1000	500	400	1/170	400
ТермоГаз® - HO-9.10.5/1300 - Rch	900	1000	500	400	2/200	520
ТермоГаз® - HO-9.15.6/1300 - Rc	900	1500	600	600	2/200	520
ТермоГаз® - HO-9.15.6/1300 - Rc	900	1500	600	600	2/340	780
ТермоГаз® - HO-12.16.8/1300 - Rc	1200	1600	800	900	2/340	780
ТермоГаз® - HO-15.15.9/1300 - Rc	1500	1500	900	900	2/340	780
ТермоГаз® - HO-20.20.8/1300 - Rc	2000	2000	800	900	4/800	2000
ТермоГаз® - 2HO-8.15.6/1300 — Rc (2 chambers)	800	1500	600	600 for one chamber	2 groups 2/340	1040
ТермоГаз® - 2HO-12.16.8/1300 — Rc (2 chambers)	1200	1600	800	900 for one chamber	2 groups 2/340	1560
ТермоГаз® - 2HO-22.18.11/1300 — Rcf (two dampers)	2200	1800	1100	200	4/600	2000

* the efficiency is counted for the load place into a saturated furnace with the heating up to 1250 °C

Furnaces features **series ТермоГаз® - HO- (-2NO, -N2O):**

- minimal cost of gas and electricity consumption for heating;
- Automation for the heating process;
- full compliance with all the safety requirements (EU, Russia, Ukraine, Belarus)
- low maintenance costs;
- warranty period for 3 years (see. "Warranty Program").

Technologies applied:

- high-quality fiber insulation for walls, arch and furnace dampers.
- Up-to-date heating systems, with a combustion air temperature preheating of 600 ° C;
- Pulse power control;
- The microprocessor control system; furnace system start-up the with one button;
- Single or double chamber furnace modification;

Additional equipment and design features

- SCADA system and furnace control
- Gas distributing unit for furnace and gas flow meter;
- Hearth made of heat resistant castable.

All application features and Customer's wills as for furnace components or additional options are discussed at the Order opening. Please, contact our specialists for further consultations.