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PROPANE MELTING FURNACE

MODEL:JHYTDE02/JHYTDE04/JHYTDE05/JHYTDE06/JHYTDE10

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NEED HELP? CONTACT US!

Have product questions? Need technical support? Please feel free to contact us:

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This is the original instruction, please read all manual instructions carefully before operating. VEVOR reserves a clear interpretation of our user manual. The appearance of the product shall be subject to the product you received. Please forgive us that we won't inform you again if there are any technology or software updates on our product.

This propane melting furnace is an excellent choice for your home use. It is safe, efficient and economical. Propane melting furnaces are used in DIY, jewelry processing plants, jewelry stores, gold panning and other industries. It is the inevitable product of metalsmiths, jewelers and refiners. It is used to melt metals with melting points lower than 1350°C, such as copper, gold, silver, aluminum, zinc, and tin.

SAFETY INSTRUCTIONS



CAUTIONS

The product needs to be used in a well-ventilated condition. Read these instructions carefully before assembling the hose and regulator units. Leaking gas can be extremely dangerous.

Note: It is not necessary to force these fittings to the extreme, however, it is important to use the proper wrench size when tightening the parts. Once the unit is assembled, turn the gas pressure on from the tank to the ball valve and use soapy water to check for leaks on all joints.

Precautions for USE:

1. Please ensure the site you are using is open, ventilated, and free of flammable materials.
2. Before using this product, please wear heat-resistant gloves, fire protection masks and other labor protection supplies.
3. Keep a clear escape route in an emergency.
4. Keep the fire extinguisher at hand.
5. The whole smelting process needs to be watched.
6. Prohibit overload smelting to prevent liquid metal from flowing out.
7. Be careful when adding raw materials during the smelting process.
8. The air pipe needs to be connected to the pressure valve and pressure gauge.
9. It is forbidden to melt metals with melting points above 1350°C, such as iron and manganese, otherwise the furnace wall will melt.
10. If used for a long time, the material of the inner wall of the furnace can be replaced.
11. During the melting process, you should not observe the melting state directly,

to prevent heat waves from damaging the body. Must take security measures.

MODEL AND PARAMETERS

Model	JHYTDE02	JHYTDE04	JHYTDE05	JHYTDE06	JHYTDE10
Fuel Type	Propane				
Product Size(mm)	Φ180xH250	Φ280xH365			Φ300xH375
Maximum Furnace Temperature	1400°C±3%				
Crucible Size(mm)	Φ86xH106	Φ110xH13	Φ120xH1	Φ120xH150	Φ140xH180
Melted Metal	Gold, Silver, Aluminum, Copper, Brass, Bronze, Tin K gold and other many metal (Metal with a melting point below 1350°C)				

STRUCTURE DIAGRAM AND COMPONENTS



Packing list:

No.	Name	Qty
1	Furnace	1
2	Detachable Burner	1
3	High Temperature Gloves	1
4	Crucible Tongs	1
5	Gas Hose Pipe	1
6	Valve	1
7	Brick	1
8	Graphite Ingot Mold	1
9	Crucible	1
10	Throat Hoop	2
11	User Manual	1

MOLTEN METAL

Metal Name	Melting Point(°C)	Primary Capacity(KG)			
		4KG	5KG	6KG	10KG
Copper	1083.4	4	5	6	10
Aluminum	660	1.2	1.6	1.9	3.1
Gold	1064.18	8.9	11.1	13.3	22.2
Silver	961.78	4.8	6.0	7.2	12.1
Zinc	419.53	3.3	4.1	4.9	8.2
Tin	231.89	3.4	4.2	5.0	8.4

NOTE: In order to achieve the ideal melting effect, do not melt at full load and do not fill the graphite crucible.

INSTALLATION

1. First, install the gas outlet nozzle to the burner. Note: Screw the nozzle to the red line. Then tighten the screws above.
2. Connect the red trachea to the brass, tighten .



3. Open the air inlet that increases aircirculation. (Make the flame stronger)
4. Link and screw the burner into the furnace.



5. Install the air outlet screw.
6. Connect the red trachea to the brass, tighten the screws.



7. Connect the valve to the propane container.
8. Put the crucible in the furnace, light the paper, put the paper in the crucible, open the propane tank.



IMPORTANT NOTICE:

1. Check for air lacks.
2. Check if the gas valve air valve is open enough.
3. Check if the gas cylinder is enough.

MAINTENANCE

1. Placed in a ventilated and dry place .
2. Do not scratch the surface with sharp and hard objects .
3. It shall be stored on wooden, painted steel shelves or rubber pads and shall be separated from other steel to avoid dust, oil and rust corroding the stainless steel surface.
4. Stainless steel transportation: It is better to use transportation tools and isolation facilities to reduce the corrosion of air and dust on stainless steel products.

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