

## TAV TPHF 40/45/60 HP

**Kind : Oven - Furnace**  
**Manufacturer : TAV**  
**Model : TPHF 40/45/60 HP**  
**Year : 2011**  
**Serial : 465**  
**Stock : T16251**



### TECHNICAL DETAILS

- Useful dimensions	: 400 x 450 x 600 [mm]
- Volume of the heating chamber	: 96 [dm <sup>3</sup> ]
- Max. load	: 250 [kg]
- Max. temperature	: 1400 [°C]
- Max. operating temperature	: 260 - 1350 [°C]
- Maximum convection heating temperature	: 750 [°C]
- Heating time from 50°C to 1250°C	: 60 [min]
- Chamber cooling time from 1200°C to 200°C	: 2 [min]
<b>PUMP UNIT</b>	
- Mechanical primary pump	: Drystar GV160
* Pumping speed	: 160 [m <sup>3</sup> /h]
* Power	: 7.5 [kW]
- Roots-type pump	: Edwards EH1200
* Pumping speed	: 500 [m <sup>3</sup> /h]
* Power	: 3 [kW]
- Diffusion pump	: Edwards HT16B
* Pumping speed	: 6.500 [l/s]
* Power	: 9 [kW]
<b>GAS</b>	
- Cooling gas	: Argon or Nitrogen
- Power	: 90 [kW]
<b>Water</b>	
- Min. / max. pressure (inlet)	: 2.5 / 3.0 [bars]
- Min. / max. pressure (outlet)	: 0 / 0.5
- Flow rate for heat exchanger during cooling phase	: 400 [lpm]

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- Furnace chamber flow rate : 200 [lpm]  
- Max. inlet temperature : 30 [°C]  
- Max. inlet temperature (DP) : 25 [°C]  
**POWER SUPPLY**  
- Supply voltage : 400 [V]  
- Total installed power : 120 [kVA]  
**WEIGHT & DIMENSIONS**  
- Machine floor space : 4.682 x 4.356 [mm]  
- Machine height : 3.242 [mm]  
- Machine weight : 5000 [kg]  
- Vacuum level : 10-5  
- Cooling pressure level : 11.5 bar abs

**EQUIPMENT**

- CNC : Siemens S7