**Laboratory electric superkanthal furnace**

**Equipment: Laboratory electric superkanthal furnace Model 2017S**

**No. of Equipment: UFCH17**

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**Equipment Description**

**Description of equipment:**

Furnace for preparation and heat treatment of ceramics, glass phases and metals/metal alloys up to 1700°C under air or an inert atmosphere.

**Specifications and technical features:**

Equipped with programmable controller CLARE

Chamber:

Inside w-h-d [mm]: 250-200-400

Volume [litre]: 20

Voltage [V]: 400

Power [kW]: 8

**Specification of expertise relevant to NanoEnviCz workpackages:**

**WP3**d,f,g, **WP4a**-c, **WP5a,**c, **WP6**a,e, **WP7**g

**Detailed description of expertise**

**Please, specify the main research topics connected with equipment**:

Preparation of catalysts

**Please, specify the secondary research topics connected with equipment**:

Preparation of sorbents, preparation of membranes and membrane reactors

**Keywords describing research area:**

catalysis, sorption, inorganic membranes

**Competence**

**Relevance for applied and industrial research:** Yes

**Relevance for fundamental studies:** Yes