## MULTI-PROCESS UNIVERSAL TUBULAR FURNACE



This multi-process universal tubular furnace sets itself apart for its incomparable reliability, temperature homogeneity, ease of use and maintenance compared to existing market solutions. It is aimed to support very demanding research teams who want high-performances, reliability level compatible with long-term hot mechanical tests. Quality and robustness of built make it an easy to operate furnace that will last for long with low maintenance.



#### **ABOUT US**

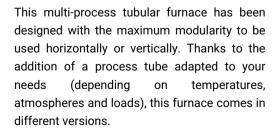
Pyrox Thermal Materials is specialized in the design and manufacturing of electric furnaces for laboratories as well as R&D centers.

Thanks to the expertise it has acquired over the years, it is now the French leader in laboratory furnaces.

With its know-how, Pyrox's solutions are the best fit to support today's & tomorrow's leaders in material conception & treatment.

David D'ATTOMA Chief Sales Officer







Allowing a customization to your needs, optimal integration, and scalability if your needs or your technical teams evolved.



# A color touchscreen 7 inch panel

This HMI ensures the complete management of your equipment. It offers user-friendliness, setting, data acquisition, archiving process.



#### **MULTI-PROCESS**

#### **UNIVERSAL TUBULAR FURNACE**

A multi-process universal tubular furnace that offers the best quality & reliability, ideal for research laboratories that perform demanding heat tests and treatments.



### **Key elements**

- 1700°C Max Temp / Type S or B Thermocouple
- 1 or 3 heating zones
- 50-85mm internal useful diameter
- Max power: 4kW single-phase, 8kW three-phases
- Gas options: up to 3 neutral gas lines (air, nitrogen, argon, helium) option for other gases (H2)
- Vaccum options: primary, secondary vacuum



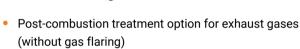
France





After-sales Recognition service of excellence





- Thermal homogeneity ±5°C
- Monozone or trizones (load measurement TC option)
- Thermal screens adapted to process needs
- HMI interface: 7-inch color touchscreen
- TCP/IP Ethernet connection
- Vertical stand available

### **Technical specifications\***

Ref*	Heating zones	Max temp °C	Internal diameter	Heated length (mm)	Speed of heating ramp with alumina tube (°C/min)	Tube length for air process (mm)	Tube length for gas & vacuum process (mm)	External dimensions H+L+D mm without tube**	External dimensions H+L+D mm with tube**	Homogenous length mm <±5°C	Power max (kW)	Tension feeding in V & Hz	Weight (kg)**
UTFH- 1700-01- 150-50	1	1700	50	150	5	400	850	460 x 400 x 560	460 x 900 x 560	> 50	4	230V (1 phase + N + T) 50Hz	30
UTFH- 1700-01- 300-50	1	1700	50	300	5	550	1000	460 x 550 x 560	460 x 1050 x 560	>100	4	230V (1 phase + N + T) 50Hz	35
UTFH- 1700-01- 450-50	1	1700	50	450	5	700	1150	560 x 700 x 560	560 x 1200 x 560	>300	8	400V (3 phases + N+ T) 50Hz	65
UTFH- 1700-03- 450-85	3	1700	85	450	5	700	1150	560 x 700 x 560	560 x 1200 x 560	> 300	8	400V (3 phases + N+ T) 50Hz	65
UTFH- 1700-03- 600-85	3	1700	85	600	5	850	1300	560 x 850 x 560	560 x 1350 x 560	> 450	8	400V (3 phases + N+ T) 50Hz	70

<sup>\*</sup> Subject to technical changes \*\* Without electrical box \*\*\* 1700°C max for the horizontal version / 1600°C max for the vertical version

