

Rotary Tubular Furnace



Temperature Uniformity: Equipped with strategically placed heating elements to achieve exceptional uniformity of $\pm 5^{\circ}\text{C}$ across the entire working zone, critical for consistent results.

Robust Construction: Stainless steel body and angle structure with stiffeners ensure durability and stability, while powder coat painting enhances aesthetics and corrosion resistance.

Precise Temperature Control: TAIE microprocessor-based PID controller-18*8=144 Segments offers precise temperature regulation with an accuracy of $\pm 1^{\circ}\text{C}$, maintaining optimal conditions for your process.

Efficient Heating System: Features APM Kanthal heating element, delivering reliable heating performance up to 1200°C for continuous operation. For 1400 degree it is Silicon Carbide, and from 1600 degree or more than that it is Super Kanthal. We customise according to the requirement

Versatile Operation: Suitable for a wide temperature range from 1200°C to 1800°C , accommodating various industrial applications with flexibility and reliability.

Safety Features: Incorporates phase angle controlled thyristor for power control, ensuring safe and stable operation, complemented by ammeter and indicator lights for real-time monitoring.

Integrated Control Panel: Features an inbuilt control panel box for convenience, reducing footprint and simplifying installation.

Adaptable Design: Customizable internal dimensions (ID and OD) to suit specific customer requirements, offering tailored solutions for diverse applications.

Reliable Temperature Sensing: Pt-Rh13%/Pt 'R' type thermocouples with alumina beads ensure accurate temperature measurement, crucial for precise process control.

Seamless Integration: Compatible with various gas control systems, featuring stainless steel fittings with water cooling arrangement and O-ring seals for controlled atmosphere applications.

User-Friendly Interface: Intuitive control switches for mains and output, along with digital temperature display, facilitate easy operation and monitoring.

Enhanced Safety Measures: Equipped with overcurrent protection via a 32A MCB (Miniature Circuit Breaker) for added safety during operation.

Efficient Material Handling: Includes conical material feeding assembly and exhaust system with cyclone separators at both ends, ensuring smooth material flow and effective exhaust management.

Programmable Rotary Motion: Powered by a 1 HP gear motor with variable frequency drive (VFD), offering programmable speed control (1-10 RPM) for precise rotation as per process requirements.

Model	Max Temperature	Tube Dimensions (mm)	Volume (in liters)	Outer Dimensions	Max Power	Electrical Phase	Weight (in kilos)
RTF 4/70 /12	1200 C	70 ID X 80 OD x1000	4 L	600*600*2000	6 Kw	3 Phase	100
RTF 8/100/12	1200 C	100 ID X110 OD x1000	8 L	700*700*3000	12 Kw	3 Phase	150
RTF 172/270/12	1200 C	270 ID X 280 OD x 3000	172 L	1000*1000*4000	24 kw	3 Phase	250