

Tubular Furnace

► General Information

3 Zone tube furnaces are designed to provide uniform thermal zone for sample treatment. Each zone is individually control with help of master slave configuration of controllers. Furnace are available upto maximum temperature 1700°C.

Tubular Furnace 3Z

Maximum Temperature	: 1200°C
Heating Tube	: High density alumina 90(OD) X 80(ID) X 600(L) mm
Working tube*	: 60(OD) X 50(ID) X 800(L) mm
Uniform hot zone	: 250mm
Tube material	: High density alumina/quartz
Controller	: PID based programmable controller for individual heating zone
Controlling sensor	: Thermocouple "N" type for individual heating zone
Heating element	: Kanthal A1/APM heating element wound on alumina heating tube .
Insulation	: Multiple layers of high temperature fiber insulation boards ensure minimum heat loss
Time to reach max	: 1 Hr temperature
Temperature uniformity	: approx +/- 1°C
End Flange	: Flange made of SS at both end with gas/vacuum provision with ball valve. Leak proofing ensured with rubber/viton O ring
Outer Construction	: CRCA sheets duly powder coated.
Power supply	: 230VAC, 50 Hz

* Customized tube size available on request.



Tubular Furnace 3Z

Maximum Temperature	: 1700 °C
Heating Tube	: High density alumina 90(OD) X 80(ID) X 600(L) mm
Working tube*	: 60(OD) X 50(ID) X 800(L) mm
Uniform hot zone	: 250mm
Tube material	: High density alumina
Controller	: PID based programmable controller for individual heating zone
Controlling sensor	: Thermocouple "B" type for individual heating zone
Heating element	: "U" shaped MoSi ₂ heating element
Insulation	: Multiple layers of high temperature fiber insulation boards ensure minimum heat loss.
Time to reach max	: 1 Hr temperature
Temperature uniformity	: approx +/- 2 °C
End Flange	: Flange made of SS at both end with gas/vacuum provision with ball valve. Leak proofing ensured with rubber/viton O ring
Outer Construction	: CRCA sheets duly powder coated.
Power supply	: 230VAC, 50 Hz

* Customized tube size available on request.

