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Thermcraft Marshall™ Furnaces

The Marshall Furnace is a unit for horizontal operation, which give the operator a furnace with an extremely long and stable and flat temperature zone for a furnace of such compact design. Available in six (6) temperature ranges:

Features

- Uniformity
- Rugged Design
- Variable Shunt Taps
- Multi-Zone Winding
- High Purity Ceramic Muffles
- Versatility
- Convenience
- Wide Range of Sizes
- Thermocouple Ports
- Full Length Temperature Monitoring

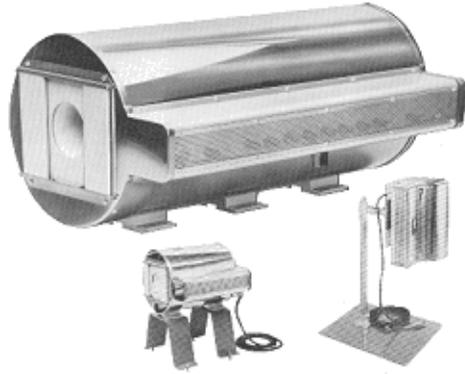
The Marshall Furnace is available in varying ID and Lengths, click on the series required in the chart above for a complete chart of the sizes available.

SERIES	MAXIMUM OPERATING TEMPERATURE	ELEMENT TYPE
1000	To 1100°C (2000°F)	Heavy gage Nickel-Chrome wire wrapped around a ceramic tube
1100	To 1200°C (2200°F)	Heavy gage Iron-Chrome-Aluminum wire wrapped around a ceramic tube
1200	To 1300°C (2370°F)	Exposed heavy gage Iron-Chrome-Aluminum
1300	To 1425°C (2000°F)	Platinum (20%) Rhodium wire wrapped around a ceramic tube
1400	To 1540°C (2800°F)	Four (4) strands of Platinum (40%) Rhodium wire wrapped around a ceramic tube
1500	To 1700°C (3100°F)	Six (6) strands of Platinum (40%) Rhodium wire wrapped around a ceramic tube

The spec sheets on the Marshall Furnaces are in a PDF format. You will need the Adobe Acrobat Reader to view these files. If you would like to download it, please [click here](#).

Shunt Tap Operation

The length of the uniform temperature zone and the temperature variation allowable. By placing a suitable length of resistance wire from one shunt tap to another, a parallel circuit is created, reducing the amount of current through the windings at this point. The amount of current bypassed will depend on the amount of resistance wire used.



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