

SPECIFICATIONS



CM Model 1516 GSH2FL

FULL SYSTEM INCLUDES FURNACE WITH

- Total System Packaged in Common, Compact Frame
- Hanging Molybdenum Elements for Reducing and Reducing/Inert Atmospheres
- High Purity Alumina Fiber Insulation Package for Efficiency and Rapid Response
- Programmable Ramp and Soak Control - 16 segments per recipe, 4 recipes
- Atmosphere Mixing Panel
- Hydrogen Safety System and Burn Off
- Guaranteed Purges
- Independent Overtemperature Thermocouple and Instrument
- Type "B" Thermocouples
- Allen-Bradley PLC with Touch Screen
- Phase Angle-Fire SCR Power Controller
- Step-Down Transformer
- Water-Cooled Door Seal and Element Terminals
- CE Compliant Systems Available
- Atmosphere Humidifier (Bubbler) Available
- Dewpoint and Oxygen Monitors Available

SPECIFICATIONS FOR 1500 AND 1700 SERIES HYDROGEN ATMOSPHERE BATCH FURNACES

STANDARD SIZES (ADDITIONAL SIZES AVAILABLE)

MODEL	1512GSH2FL/BL	1516GSH2FL/BL	1712GSH2FL/BL	1716GSH2FL/BL
Maximum Operating Temperature	1450°C / 2640°F	1450°C / 2640°F	1700°C / 3100°F	1700°C / 3100°F
Chamber Dimensions W x H x D	13 x 11 x 12 in 330 x 280 x 305 mm	16 x 16 x 16 in 406 x 406 x 406 mm	13 x 11 x 12 in 330 x 280 x 305 mm	16 x 16 x 16 in 406 x 406 x 406 mm
Door Opening W x H	10 x 10 3/4 in 254 x 273 mm	14 x 14 3/4 in 355 x 374 mm	10 x 10 3/4 in 254 x 273 mm	14 x 14 3/4 in 355 x 374mm
Outside Dimensions W x H x D (FL)	67 x 81 x 65 in 1.7 x 2.1 x 1.6 m	67 x 81 x 65 in 1.7 x 2.1 x 1.6 m	67 x 81 x 65 in 1.7 x 2.1 x 1.6 m	67 x 81 x 65 in 1.7 x 2.1 x 1.6 mm
Furnace Weight (Pounds)	1750	1900	1850	2000
Number of Elements	6	8	6	8
Power Requirement (MAX) KVA	21	30	21	30
Power Requirement (Nominal) KVA	8.5	12	9.5	14
Standard Voltage Requirement	480 / 3-Phase	480 / 3-Phase	480 / 3-Phase	480 / 3-Phase
Service Entrance Current Requirement	35	60	35	60