



ATMOSPHERE CONTROLLED CHAMBER FURNACES

ACF SERIES

ACF series are high temperature, floor standing atmosphere controlled chamber furnaces. Available with brick and fiber insulation materials, ACF series are designed for research and production processes for larger volume products under controlled inert atmospheric conditions



MAXIMUM TEMPERATURE

1100 - 1800 °C



CONTINUOUS OPERATING TEMPERATURE

50 °C below Tmax



VOLUME

6 to 16 liters

Furnace properties:

- Dual skin housing for low external temperatures and high inner temperature stability
- Phosphate coated, and epoxy painted steel body outer case stainless steel frame with a water cooling jacket
- High durability brick door skirts & furnace floor
- Sideways opening stainless steel lid with water cooling
- 6 zone water cooling system
- Gas tight system with double stage gas feed-in facility
- Integrated voltmeter, ampere meter and pressure gauge
- Automatized triple vacuum purging system, ensuring non-oxidizing environment
- Door safety switch
- Power driver unit using Silent SSRs or Thyristor module (SCR)
- Leak current circuit breaker providing additional operator safety
- Over temperature alarm relay for furnace protection
- Customized controller options (Page 6)
- Large variety of accessory options (Page 32)
- Easy maintenance design

*For custom sized larger or smaller furnaces please contact us

Model	Maximum Temperature (°C)	Continuous Operating Temperature (°C)	Innner Dimensions (cm)			Volume (L)	Extrenal Dimensions (cm)			Power (kW)	Phase
			H	W	D		H	W	D		
ACF 110/6	1100	1050	14	20	25	7	182	89	93	2.0	1
ACF 110/10	1100	1050	20	20	25	10.0	182	89	93	3.6	1
ACF 160/4	1600	1550	14	14	20	3.9	182	89	93	4.4	1
ACF 160/8	1600	1550	18	18	25	8.1	182	89	93	7.2	3
ACF 160/12	1600	1550	24	20	25	12.0	188	93	98	9.5	3
ACF 160/16	1600	1550	24	22	30	15.8	188	93	98	11.3	3
ACF 170/4	1700	1650	14	14	20	3.9	182	89	93	4.4	1
ACF 170/8	1700	1650	18	18	25	8.1	182	89	93	7.2	3
ACF 170/12	1700	1650	24	20	25	12.0	188	93	98	9.5	3
ACF 170/16	1700	1650	24	22	30	15.8	188	93	98	11.3	3
ACF 180/4	1800	1750	14	14	20	3.9	182	89	93	4.4	1
ACF 180/8	1800	1750	18	18	25	8.1	182	89	93	7.2	3
ACF 180/12	1800	1750	24	20	25	12.0	188	93	98	9.5	3
ACF 180/16	1800	1750	24	22	30	15.8	188	93	98	11.3	3