

# Atmosphere Controlled Chamber Furnaces

## ACF Series



ACF series furnaces are specially designed for research and processes for larger volume products under controlled atmospheric conditions.

Standard ACF series furnaces cover a range from 1100°C to 1800°C, with additional standard equipment options.

Use of different heating elements, including Graphite is available for use with different gases.

The unit is equipped with galvanized coating covered epoxy painted structure, providing longer life time and aesthetics.

### System Features

- ✓ Sideways opening door
- ✓ Separate or integrated control system to the furnace
- ✓ High level programmable controller
- ✓ System operation with solid-state-relays
- ✓ High level temperature uniformity
- ✓ High-quality fiber material
- ✓ Intuitive controller user interface
- ✓ Electrical protection
- ✓ Special housing for high temperature stability
- ✓ High quality heating elements ensuring a long service life

Model	Maximum Temperature (°C)	Continuous Operating Temperature (°C)	Inner Volume (liters)	Inner Dimensions (HxWxD) (cm)	External Dimensions (HxWxD) (cm)	Power (kW)	Phase
ACF 110/6	1100	1050	6.3	15x21x20	182x89x93	2.0	1
ACF 110/10	1100	1050	10.0	20x20x25	182x89x93	2.7	1
ACF 100/15	1100	1050	15.0	23x22x30	182x89x93	3.6	1
ACF 160/4	1600	1550	3.9	14x14x20	182x89x93	4.4	1
ACF 160/8	1600	1550	8.1	18x18x25	182x89x93	7.2	3
ACF 160/12	1600	1550	12.0	24x20x25	188x93x98	9.0	3
ACF 160/16	1600	1550	15.8	24x22x30	188x93x98	11.3	3
ACF 170/4	1700	1650	3.9	14x14x20	182x89x93	4.4	1
ACF 170/8	1700	1650	8.1	18x18x25	182x89x93	7.2	3
ACF 170/12	1700	1650	12.0	24x20x25	188x93x98	9.0	3
ACF 170/16	1700	1650	15.8	24x22x30	188x93x98	11.3	3
ACF 180/4	1800	1750	3.9	14x14x20	182x89x93	4.4	1
ACF 180/8	1800	1750	8.1	18x18x25	182x89x93	7.2	3
ACF 180/12	1800	1750	12.0	24x20x25	188x93x98	9.0	3
ACF 180/16	1800	1750	15.8	24x22x30	188x93x98	11.3	3
ACF GR 180/10	1800	1750	9.7	20x22x22	182x93x100	13.0	3

\*For system accessories please check the accessory page for furnaces.

### Optional Features

- ✓ Over-temperature limiter for thermal protection
- ✓ Check valve at gas outlet
- ✓ Gas supply and blend systems for operation
- ✓ Data logger with the software
- ✓ RS422/485 communication

\*For your inquiries and questions please contact us  
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