

Technical datasheet

Ceramic-Fiber Laboratory Muffle Furnaces

2-80 L muffle furnaces with ceramic-fiber chambers, fixed-temperature and timed operation, and model-specific maximum use temperatures of 900, 1100 or 1200 °C.



Representative 380 V exterior with three voltage/current display pairs. 220 V versions have one pair; cabinet dimensions vary by model.

Key features

Model-specific chamber size, electrical ratings and use-temperature limit

Ventilated casing and stainless steel inner door liner

Overcurrent, overtemperature and door-open power protection

Standard Configuration

Ceramic-fiber chamber with fixed-temperature and timed operation. 220 V versions have one voltage/current display pair; 380 V versions have three pairs. The 380 V chamber uses sectional construction. Heating elements and insulation vary by temperature class. Ventilated casing, stainless steel inner door liner, overcurrent, overvoltage, overheating, leakage and short-circuit protection, and door-open power cutoff. The lower control setting is ambient temperature +30 °C.

Optional Accessories

Printers, RS-485 interface and communication software are optional. Confirm heating-element selection, loading accessories, electrical frequency and final delivery.

Technical Information

Model	Chamber volume (L)	Voltage (V)	Input power (W)	Maximum use (°C)	Control limit (°C)
PT-MUF-003	2	220	2500	900	1000
PT-MUF-019	7.2	220	4000	900	1000
PT-MUF-020	12	220	4000	900	1000
PT-MUF-021	16	380	8000	900	1000
PT-MUF-022	36	380	8000	900	1000
PT-MUF-023	30	380	12000	900	1000
PT-MUF-024	80	380	12000	900	1000
PT-MUF-025	2	220	2500	1100	1200
PT-MUF-026	7.2	220	4000	1100	1200
PT-MUF-027	12	220	4000	1100	1200
PT-MUF-028	16	380	8000	1100	1200
PT-MUF-029	36	380	8000	1100	1200
PT-MUF-030	30	380	12000	1100	1200
PT-MUF-031	80	380	12000	1100	1200
PT-MUF-032	3.8	220	4000	1200	1300
PT-MUF-033	6.8	380	6000	1200	1300
PT-MUF-034	18	380	8000	1200	1300

Technical Information

Model	Chamber dimensions (mm)	External dimensions (mm)
PT-MUF-003	120 × 200 × 80	560 × 670 × 845
PT-MUF-019	200 × 300 × 120	640 × 770 × 905
PT-MUF-020	200 × 300 × 200	670 × 770 × 965
PT-MUF-021	250 × 400 × 160	690 × 885 × 945
PT-MUF-022	300 × 400 × 300	740 × 890 × 1075
PT-MUF-023	300 × 500 × 200	760 × 985 × 985
PT-MUF-024	400 × 500 × 400	860 × 990 × 1185
PT-MUF-025	120 × 200 × 80	560 × 670 × 845
PT-MUF-026	200 × 300 × 120	640 × 770 × 905
PT-MUF-027	200 × 300 × 200	670 × 770 × 965
PT-MUF-028	250 × 400 × 160	690 × 885 × 945
PT-MUF-029	300 × 400 × 300	740 × 890 × 1075
PT-MUF-030	300 × 500 × 200	760 × 985 × 985
PT-MUF-031	400 × 500 × 400	860 × 990 × 1185
PT-MUF-032	150 × 250 × 100	575 × 785 × 830
PT-MUF-033	150 × 300 × 150	575 × 785 × 830
PT-MUF-034	250 × 400 × 180	800 × 930 × 1065

Selection / Ordering Information

Specify the model, sample type, required working temperature, loading arrangement and electrical supply. Use the listed maximum use temperature when selecting the process.