

Technical datasheet

Brick-Chamber Laboratory Muffle Furnaces

2-30 L laboratory muffle furnaces with molded refractory-brick chambers, fixed-temperature control and model-specific maximum use temperatures of 900, 1100 or 1200 °C.



Image shows PT-MUF-009. Other models differ in chamber dimensions and cabinet size.

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

Molded refractory-brick chamber and door, with fixed-temperature control. Heating-element material is selected for the model. The 1000/1200 °C control classes use fiber/perlite insulation; the 1300 °C class uses fiber-board insulation. 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 are optional. Confirm heating-element selection, loading accessories, electrical frequency and final delivery. Communication software and validation services are not listed as standard.

Technical Information

Model	Chamber volume (L)	Voltage (V)	Input power (W)	Maximum use (°C)	Control limit (°C)
PT-MUF-002	2	220	2500	900	1000
PT-MUF-009	7.2	220	4000	900	1000
PT-MUF-010	16	380	8000	900	1000
PT-MUF-011	30	380	12000	900	1000
PT-MUF-012	2	220	2500	1100	1200
PT-MUF-013	7.2	220	5000	1100	1200
PT-MUF-014	16	380	10000	1100	1200
PT-MUF-015	30	380	12000	1100	1200
PT-MUF-016	3.8	220	4000	1200	1300
PT-MUF-017	6.8	380	6000	1200	1300
PT-MUF-018	18	380	8000	1200	1300

Technical Information

Model	Chamber dimensions (mm)	External dimensions (mm)
PT-MUF-002	120 × 200 × 80	400 × 580 × 600
PT-MUF-009	200 × 300 × 120	470 × 670 × 610
PT-MUF-010	250 × 400 × 160	570 × 790 × 660
PT-MUF-011	300 × 500 × 200	610 × 900 × 750
PT-MUF-012	120 × 200 × 80	400 × 580 × 600
PT-MUF-013	200 × 300 × 120	470 × 670 × 610
PT-MUF-014	250 × 400 × 160	570 × 790 × 660
PT-MUF-015	300 × 500 × 200	610 × 900 × 750
PT-MUF-016	150 × 250 × 100	505 × 685 × 645
PT-MUF-017	150 × 300 × 150	505 × 685 × 645
PT-MUF-018	250 × 400 × 180	680 × 790 × 860

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.