



TPS
Thermal Product Solutions

»Gruenberg

Cabinet Ovens

Cabinet Ovens

Gruenberg designs and manufactures a complete line of standard and custom industrial cabinet ovens to accommodate a variety of thermal processing applications up to 1200°F, which are ideally suited for annealing, aging, core hardening, drying, preheating, curing, and component testing.

With additional options, they can also be used for applications such as epoxy, plastic, and rubber curing; paint and varnish baking; textile drying; and sterilizing.

► Gruenberg Industrial Oven Features

- Heavy-duty, fully welded structural steel frame
- CHIL construction ensures minimal heat transfer from oven chamber to the exterior
- Removable side and back walls for easy clean-up and maintenance
- Lid is constructed using a structural steel frame to ensure sealing integrity
- Insulation is moisture-proof, non-combustible, non-settling, and asbestos-free
- Energy-efficient, Incoloy® sheathed, seamless tubular heaters
- Heating elements are suspended in the plenum, which is adjacent to the process chamber so there is no radiant influence on the work in process



THERMAL PRODUCT SOLUTIONS

»Blue M »Gruenberg »Lindberg MPH »Tenney

Temperatures to 450°F

Capacity ft ³	Maximum Temperature	Air flow	Interior Dimensions W x D x H inches (cm)	Exterior Dimensions W x D x H inches (cm)	Circulation CFM	Heater Wattage (kW)	Insulation Thickness (Inches)	Shipping Weight	Model Number
12	450°F	Horizontal	24 x 24 x 36 (61 x 61 x 91.4)	54 x 38 x 81 (137.2 x 96.5 x 205.7)	600	9	4-low	1000	C45H120
12	450°F	Vertical	24 x 24 x 36 (61 x 61 x 91.4)	54 x 38 x 81 (137.2 x 96.5 x 205.7)	600	9	4-low	1000	C45V120
24	450°F	Horizontal	24 x 36 x 48 (61 x 91.4 x 121.9)	54 x 50 x 93 (137.2 x 127 x 236.2)	1200	12	4-low	1200	C45H240
24	450°F	Vertical	24 x 36 x 48 (61 x 91.4 x 121.9)	54 x 50 x 93 (137.2 x 127 x 236.2)	1200	12	4-low	1200	C45V240
31	450°F	Horizontal	30 x 30 x 60 (76.2 x 76.2 x 152.4)	60 x 44 x 105 (152.4 x 111.8 x 266.7)	1550	15	4-low	1350	C45H310
31	450°F	Vertical	30 x 30 x 60 (76.2 x 76.2 x 152.4)	60 x 44 x 105 (152.4 x 111.8 x 266.7)	1550	15	4-low	1350	C45V310
36	450°F	Horizontal	36 x 36 x 48 (91.4 x 91.4 x 121.9)	66 x 50 x 93 (167.6 x 127 x 236.2)	1800	18	4-low	1550	C45H360
36	450°F	Vertical	36 x 36 x 48 (91.4 x 91.4 x 121.9)	66 x 50 x 93 (167.6 x 127 x 236.2)	1800	18	4-low	1550	C45V360
45	450°F	Horizontal	36 x 36 x 60 (91.4 x 91.4 x 152.4)	66 x 50 x 105 (167.6 x 127 x 266.7)	2250	22.5	4-low	1900	C45H450
45	450°F	Vertical	36 x 36 x 60 (91.4 x 91.4 x 152.4)	66 x 50 x 105 (167.6 x 127 x 266.7)	2250	22.5	4-low	1900	C45V450
54	450°F	Horizontal	36 x 36 x 72 (91.4 x 91.4 x 182.9)	66 x 50 x 118 (167.6 x 127 x 299.7)	2700	24	4-low	2200	C45H540
54	450°F	Vertical	36 x 36 x 72 (91.4 x 91.4 x 182.9)	66 x 50 x 118 (167.6 x 127 x 299.7)	2700	24	4-low	2200	C45V540
72	450°F	Horizontal	36 x 48 x 72 (91.4 x 121.9 x 182.9)	66 x 62 x 118 (167.6 x 157.5 x 299.7)	3600	27	4-low	2700	C45H720
72	450°F	Vertical	36 x 48 x 72 (91.4 x 121.9 x 182.9)	66 x 62 x 118 (167.6 x 157.5 x 299.7)	3600	27	4-low	2700	C45V720
96	450°F	Horizontal	48 x 48 x 72 (121.9 x 121.9 x 182.9)	78 x 62 x 120 (198.1 x 157.5 x 304.8)	4800	30	4-low	3000	C45H960
96	450°F	Vertical	48 x 48 x 72 (121.9 x 121.9 x 182.9)	78 x 62 x 120 (198.1 x 157.5 x 304.8)	4800	30	4-low	3000	C45V960

Temperatures to 650°F

Capacity ft ³	Maximum Temperature	Air flow	Interior Dimensions W x D x H inches (cm)	Exterior Dimensions W x D x H inches (cm)	Circulation CFM	Heater Wattage (kW)	Insulation Thickness (Inches)	Shipping Weight	Model Number
12	650°F	Horizontal	24 x 24 x 36 (61 x 61 x 91.4)	54 x 38 x 81 (137.2 x 96.5 x 205.7)	900	12	4-low	1100	C65H120
12	650°F	Vertical	24 x 24 x 36 (61 x 61 x 91.4)	54 x 38 x 81 (137.2 x 96.5 x 205.7)	900	12	4-low	1100	C65V120
24	650°F	Horizontal	24 x 36 x 48 (61 x 91.4 x 121.9)	54 x 50 x 93 (137.2 x 127 x 236.2)	1500	18	4-low	1300	C65H240
24	650°F	Vertical	24 x 36 x 48 (61 x 91.4 x 121.9)	54 x 50 x 93 (137.2 x 127 x 236.2)	1500	18	4-low	1300	C65V240
31	650°F	Horizontal	30 x 30 x 60 (76.2 x 76.2 x 152.4)	60 x 44 x 105 (152.4 x 111.8 x 266.7)	1800	22.5	4-low	1450	C65H310
31	650°F	Vertical	30 x 30 x 60 (76.2 x 76.2 x 152.4)	60 x 44 x 105 (152.4 x 111.8 x 266.7)	1800	22.5	4-low	1450	C65V310
36	650°F	Horizontal	36 x 36 x 48 (91.4 x 91.4 x 121.9)	66 x 50 x 93 (167.6 x 127 x 236.2)	2400	24	4-low	1650	C65H360
36	650°F	Vertical	36 x 36 x 48 (91.4 x 91.4 x 121.9)	66 x 50 x 93 (167.6 x 127 x 236.2)	2400	24	4-low	1650	C65V360
45	650°F	Horizontal	36 x 36 x 60 (91.4 x 91.4 x 152.4)	66 x 50 x 105 (167.6 x 127 x 266.7)	3000	27	4-low	2000	C65H450
45	650°F	Vertical	36 x 36 x 60 (91.4 x 91.4 x 152.4)	66 x 50 x 105 (167.6 x 127 x 266.7)	3000	27	4-low	2000	C65V450
54	650°F	Horizontal	36 x 36 x 72 (91.4 x 91.4 x 182.9)	66 x 50 x 118 (167.6 x 127 x 299.7)	3250	30	4-low	2300	C65H540
54	650°F	Vertical	36 x 36 x 72 (91.4 x 91.4 x 182.9)	66 x 50 x 118 (167.6 x 127 x 299.7)	3250	30	4-low	2300	C65V540
72	650°F	Horizontal	36 x 48 x 72 (91.4 x 121.9 x 182.9)	66 x 62 x 118 (167.6 x 157.5 x 299.7)	4200	36	4-low	2800	C65H720
72	650°F	Vertical	36 x 48 x 72 (91.4 x 121.9 x 182.9)	66 x 62 x 118 (167.6 x 157.5 x 299.7)	4200	36	4-low	2800	C65V720
96	650°F	Horizontal	48 x 48 x 72 (121.9 x 121.9 x 182.9)	78 x 62 x 120 (198.1 x 157.5 x 304.8)	5500	36	4-low	3100	C65H960
96	650°F	Vertical	48 x 48 x 72 (121.9 x 121.9 x 182.9)	78 x 62 x 120 (198.1 x 157.5 x 304.8)	5500	36	4-low	3100	C65V960

THERMAL PRODUCT SOLUTIONS

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Temperatures to 800°F

Capacity ft ³	Maximum Temperature	Air flow	Interior Dimensions W x D x H inches (cm)	Exterior Dimensions W x D x H inches (cm)	Circulation CFM	Heater Wattage (kW)	Insulation Thickness (Inches)	Shipping Weight	Model Number
12	800°F	Horizontal	24 x 24 x 36 (61 x 61 x 91.4)	54 x 38 x 81 (137.2 x 96.5 x 205.7)	1000	15	3-low, 1-high	1250	C80H120
12	800°F	Vertical	24 x 24 x 36 (61 x 61 x 91.4)	54 x 38 x 81 (137.2 x 96.5 x 205.7)	1000	15	3-low, 1-high	1250	C80V120
24	800°F	Horizontal	24 x 36 x 48 (61 x 91.4 x 121.9)	54 x 50 x 93 (137.2 x 127 x 236.2)	1600	22.5	3-low, 1-high	1450	C80H240
24	800°F	Vertical	24 x 36 x 48 (61 x 91.4 x 121.9)	54 x 50 x 93 (137.2 x 127 x 236.2)	1600	22.5	3-low, 1-high	1450	C80V240
31	800°F	Horizontal	30 x 30 x 60 (76.2 x 76.2 x 152.4)	60 x 44 x 105 (152.4 x 111.8 x 266.7)	2100	24	3-low, 1-high	1650	C80H310
31	800°F	Vertical	30 x 30 x 60 (76.2 x 76.2 x 152.4)	60 x 44 x 105 (152.4 x 111.8 x 266.7)	2100	24	3-low, 1-high	1650	C80V310
36	800°F	Horizontal	36 x 36 x 48 (91.4 x 91.4 x 121.9)	66 x 50 x 93 (167.6 x 127 x 236.2)	2500	27	3-low, 1-high	1800	C80H360
36	800°F	Vertical	36 x 36 x 48 (91.4 x 91.4 x 121.9)	66 x 50 x 93 (167.6 x 127 x 236.2)	2500	27	3-low, 1-high	1800	C80V360
45	800°F	Horizontal	36 x 36 x 60 (91.4 x 91.4 x 152.4)	66 x 50 x 105 (167.6 x 127 x 266.7)	3100	30	3-low, 1-high	2150	C80H450
45	800°F	Vertical	36 x 36 x 60 (91.4 x 91.4 x 152.4)	66 x 50 x 105 (167.6 x 127 x 266.7)	3100	30	3-low, 1-high	2150	C80V450
54	800°F	Horizontal	36 x 36 x 72 (91.4 x 91.4 x 182.9)	66 x 50 x 118 (167.6 x 127 x 299.7)	3400	36	3-low, 1-high	2450	C80H540
54	800°F	Vertical	36 x 36 x 72 (91.4 x 91.4 x 182.9)	66 x 50 x 118 (167.6 x 127 x 299.7)	3400	36	3-low, 1-high	2450	C80V540
72	800°F	Horizontal	36 x 48 x 72 (91.4 x 121.9 x 182.9)	66 x 62 x 118 (167.6 x 157.5 x 299.7)	4300	36	3-low, 1-high	2950	C80H720
72	800°F	Vertical	36 x 48 x 72 (91.4 x 121.9 x 182.9)	66 x 62 x 118 (167.6 x 157.5 x 299.7)	4300	36	3-low, 1-high	2950	C80V720
96	800°F	Horizontal	48 x 48 x 72 (121.9 x 121.9 x 182.9)	78 x 62 x 120 (198.1 x 157.5 x 304.8)	5600	45	3-low, 1-high	3250	C80H960
96	800°F	Vertical	48 x 48 x 72 (121.9 x 121.9 x 182.9)	78 x 62 x 120 (198.1 x 157.5 x 304.8)	5600	45	3-low, 1-high	3250	C80V960

Temperatures to 1000°F

Capacity ft ³	Maximum Temperature	Air flow	Interior Dimensions W x D x H inches (cm)	Exterior Dimensions W x D x H inches (cm)	Circulation CFM	Heater Wattage (kW)	Insulation Thickness (Inches)	Shipping Weight	Model Number
12	1000°F	Horizontal	24 x 24 x 36 (61 x 61 x 91.4)	56 x 40 x 83 (142.2 x 101.6 x 210.8)	1200	18	3-low, 2-high	1400	C100H120
12	1000°F	Vertical	24 x 24 x 36 (61 x 61 x 91.4)	56 x 40 x 83 (142.2 x 101.6 x 210.8)	1200	18	3-low, 2-high	1400	C100V120
24	1000°F	Horizontal	24 x 36 x 48 (61 x 91.4 x 121.9)	56 x 52 x 95 (142.2 x 132.1 x 241.3)	1800	24	3-low, 2-high	1600	C100H240
24	1000°F	Vertical	24 x 36 x 48 (61 x 91.4 x 121.9)	56 x 52 x 95 (142.2 x 132.1 x 241.3)	1800	24	3-low, 2-high	1600	C100V240
31	1000°F	Horizontal	30 x 30 x 60 (76.2 x 76.2 x 152.4)	62 x 46 x 107 (157.5 x 116.8 x 271.8)	2300	27	3-low, 2-high	1750	C100H310
31	1000°F	Vertical	30 x 30 x 60 (76.2 x 76.2 x 152.4)	62 x 46 x 107 (157.5 x 116.8 x 271.8)	2300	27	3-low, 2-high	1750	C100V310
36	1000°F	Horizontal	36 x 36 x 48 (91.4 x 91.4 x 121.9)	68 x 52 x 95 (172.7 x 132.1 x 241.3)	2700	30	3-low, 2-high	1950	C100H360
36	1000°F	Vertical	36 x 36 x 48 (91.4 x 91.4 x 121.9)	68 x 52 x 95 (172.7 x 132.1 x 241.3)	2700	30	3-low, 2-high	1950	C100V360
45	1000°F	Horizontal	36 x 36 x 60 (91.4 x 91.4 x 152.4)	68 x 52 x 107 (172.7 x 132.1 x 271.8)	3200	33	3-low, 2-high	2300	C100H450
45	1000°F	Vertical	36 x 36 x 60 (91.4 x 91.4 x 152.4)	68 x 52 x 107 (172.7 x 132.1 x 271.8)	3200	33	3-low, 2-high	2300	C100V450
54	1000°F	Horizontal	36 x 36 x 72 (91.4 x 91.4 x 182.9)	68 x 52 x 120 (172.7 x 132.1 x 304.8)	3600	36	3-low, 2-high	2600	C100H540
54	1000°F	Vertical	36 x 36 x 72 (91.4 x 91.4 x 182.9)	68 x 52 x 120 (172.7 x 132.1 x 304.8)	3600	36	3-low, 2-high	2600	C100V540
72	1000°F	Horizontal	36 x 48 x 72 (91.4 x 121.9 x 182.9)	68 x 64 x 120 (172.7 x 162.6 x 304.8)	4500	45	3-low, 2-high	3100	C100H720
72	1000°F	Vertical	36 x 48 x 72 (91.4 x 121.9 x 182.9)	68 x 64 x 120 (172.7 x 162.6 x 304.8)	4500	45	3-low, 2-high	3100	C100V720
96	1000°F	Horizontal	48 x 48 x 72 (121.9 x 121.9 x 182.9)	80 x 64 x 122 (203.2 x 162.6 x 309.9)	5800	45	3-low, 2-high	3400	C100H960
96	1000°F	Vertical	48 x 48 x 72 (121.9 x 121.9 x 182.9)	80 x 64 x 122 (203.2 x 162.6 x 309.9)	5800	45	3-low, 2-high	3400	C100V960

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Temperatures to 1200°F

Capacity ft ³	Maximum Temperature	Air flow	Interior Dimensions W x D x H inches (cm)	Exterior Dimensions W x D x H inches (cm)	Circulation CFM	Heater Wattage (kW)	Insulation Thickness (Inches)	Shipping Weight	Model Number
12	1200°F	Horizontal	24 x 24 x 36 (61 x 61 x 91.4)	58 x 42 x 85 (147.3 x 106.7 x 215.9)	1500	22.5	4-low, 2-high	1600	C120H120
12	1200°F	Vertical	24 x 24 x 36 (61 x 61 x 91.4)	58 x 42 x 85 (147.3 x 106.7 x 215.9)	1500	22.5	4-low, 2-high	1600	C120V120
24	1200°F	Horizontal	24 x 36 x 48 (61 x 91.4 x 121.9)	58 x 54 x 97 (147.3 x 137.2 x 246.4)	2100	27	4-low, 2-high	1800	C120H240
24	1200°F	Vertical	24 x 36 x 48 (61 x 91.4 x 121.9)	58 x 54 x 97 (147.3 x 137.2 x 246.4)	2100	27	4-low, 2-high	1800	C120V240
31	1200°F	Horizontal	30 x 30 x 60 (76.2 x 76.2 x 152.4)	64 x 48 x 109 (162.6 x 121.9 x 276.9)	2600	30	4-low, 2-high	1950	C120H310
31	1200°F	Vertical	30 x 30 x 60 (76.2 x 76.2 x 152.4)	64 x 48 x 109 (162.6 x 121.9 x 276.9)	2600	30	4-low, 2-high	1950	C120V310
36	1200°F	Horizontal	36 x 36 x 48 (91.4 x 91.4 x 121.9)	70 x 54 x 97 (177.8 x 137.2 x 246.4)	3000	33	4-low, 2-high	2150	C120H360
36	1200°F	Vertical	36 x 36 x 48 (91.4 x 91.4 x 121.9)	70 x 54 x 97 (177.8 x 137.2 x 246.4)	3000	33	4-low, 2-high	2150	C120V360
45	1200°F	Horizontal	36 x 36 x 60 (91.4 x 91.4 x 152.4)	70 x 54 x 109 (177.8 x 137.2 x 276.9)	3600	36	4-low, 2-high	2500	C120H450
45	1200°F	Vertical	36 x 36 x 60 (91.4 x 91.4 x 152.4)	70 x 54 x 109 (177.8 x 137.2 x 276.9)	3600	36	4-low, 2-high	2500	C120V450
54	1200°F	Horizontal	36 x 36 x 72 (91.4 x 91.4 x 182.9)	70 x 54 x 122 (177.8 x 137.2 x 309.9)	4000	45	4-low, 2-high	2800	C120H540
54	1200°F	Vertical	36 x 36 x 72 (91.4 x 91.4 x 182.9)	70 x 54 x 122 (177.8 x 137.2 x 309.9)	4000	45	4-low, 2-high	2800	C120V540
72	1200°F	Horizontal	36 x 48 x 72 (91.4 x 121.9 x 182.9)	70 x 66 x 122 (177.8 x 167.6 x 309.9)	4800	45	4-low, 2-high	3300	C120H720
72	1200°F	Vertical	36 x 48 x 72 (91.4 x 121.9 x 182.9)	70 x 66 x 122 (177.8 x 167.6 x 309.9)	4800	45	4-low, 2-high	3300	C120V720
96	1200°F	Horizontal	48 x 48 x 72 (121.9 x 121.9 x 182.9)	82 x 66 x 124 (208.3 x 167.6 x 315)	6200	48	4-low, 2-high	3600	C120H960
96	1200°F	Vertical	48 x 48 x 72 (121.9 x 121.9 x 182.9)	82 x 66 x 124 (208.3 x 167.6 x 315)	6200	48	4-low, 2-high	3600	C120V960

Economy Cabinet Ovens

Capacity ft ³	Maximum Temperature	Air flow	Interior Dimensions W x D x H inches (cm)	Exterior Dimensions W x D x H inches (cm)	Circulation CFM@70°F	Heater Wattage (kW)	Insulation Thickness (Inches)	Shipping Weight	Model Number
24	400°F	Vertical	30 x 30 x 45 (76.2 x 76.2 x 114.3)	36 x 40.5 x 77 (91.4 x 102.9 x 195.6)	1150	9	3	1500	CG45V240
24	600°F	Vertical	30 x 30 x 45 (76.2 x 76.2 x 114.3)	36 x 40.5 x 77 (91.4 x 102.9 x 195.6)	1150	12	3	1500	CG65V240
46.8	400°F	Horizontal	50 x 30 x 54 (127 x 76.2 x 137.2)	66 x 38 x 74.5 (167.6 x 96.5 x 189.2)	1100	7.5	4	2000	CS40H47
46.8	600°F	Horizontal	50 x 30 x 54 (127 x 76.2 x 137.2)	66 x 38 x 74.5 (167.6 x 96.5 x 189.2)	1100	12	4	2000	CS60H47
58.3	400°F	Horizontal	56 x 30 x 60 (142.2 x 76.2 x 152.4)	72 x 38 x 81 (182.9 x 96.5 x 205.7)	1100	9	4	2500	CS40H58
58.3	600°F	Horizontal	56 x 30 x 60 (142.2 x 76.2 x 152.4)	72 x 38 x 81 (182.9 x 96.5 x 205.7)	1100	15	4	2500	CS50H58

All specifications are subject to change without notice.



TPS
Thermal Product Solutions

Gruenberg, Blue M, Tenney

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Specifications and Product Information are subject to change without notice.