

Forced-air convection oven

S-OV36 / S-OV80 / S-OV150

Model	S-OV36	S-OV80	S-OV150
Capacity (L)	36	80	150
Operating temperature (°C)	40-200 (RT ≤25)	40-200 (RT ≤25)	40-200 (RT ≤25)
Maximum temperature (°C)	250	250	250
Temperature uniformity	120°C: ±1.5°C; 200°C: ±3.0°C	120°C: ±1.5°C; 200°C: ±3.0°C	120°C: ±1.5°C; 200°C: ±3.0°C
Internal W×D×H (mm)	300×300×400	430×400×470	550×450×600
External W×D×H (mm)	440×605×716	570×708×786	690×763×916
Heater rating (kW)	1	1.5	2
Power / maximum current	220V single-phase Max. 5A	220V single-phase Max. 7A	220V single-phase Max. 10A
Weight (kg)	46.5	62	79

Construction, control and configuration

Digital PID control; forced convection.

RT = ambient temperature. Uniformity is stated at the indicated test temperature. Confirm final configuration, electrical supply and performance conditions with GHT.

Forced-air convection oven

S-OV252 / S-OV410 / S-OV640

Model	S-OV252	S-OV410	S-OV640
Capacity (L)	252	410	640
Operating temperature (°C)	40-200 (RT ≤25)	40-200 (RT ≤25)	40-200 (RT ≤25)
Maximum temperature (°C)	250	250	250
Temperature uniformity	120°C: ±2°C; 200°C: ±3°C	120°C: ±2°C; 200°C: ±3°C	120°C: ±2°C; 200°C: ±3°C
Internal W×D×H (mm)	700×600×600	700×650×900	800×800×1000
External W×D×H (mm)	959×782×1055	1010×1100×1329	1110×1247×1452
Heater rating (kW)	2.6	4.5	6
Power / maximum current	220V single-phase Max. 12A	220V single-phase Max. 21A	380V 3-phase Max. 17A
Weight (kg)	145	235	300

Construction, control and configuration

Digital PID control; forced convection.

RT = ambient temperature. Uniformity is stated at the indicated test temperature. Confirm final configuration, electrical supply and performance conditions with GHT.

High-temperature oven

S-HOV90 / S-HOV150 / S-HOV252

Model	S-HOV90	S-HOV150	S-HOV252
Capacity (L)	90	150	252
Operating temperature (°C)	40-320 (RT ≤25)	40-320 (RT ≤25)	40-320 (RT ≤25)
Maximum temperature (°C)	350	350	350
Temperature uniformity	200°C: ±3°C; 300°C: ±4°C	200°C: ±3°C; 300°C: ±4°C	200°C: ±3°C; 300°C: ±4°C
Internal W×D×H (mm)	450×450×450	500×500×600	700×600×600
External W×D×H (mm)	1005×648×780	1055×698×930	1255×798×930
Heater rating (kW)	2.6	3.3	4.5
Power / maximum current	220V single-phase Max. 12.5A	220V single-phase Max. 15A	220V single-phase Max. 21A
Weight (kg)	119	145	180

Construction, control and configuration

Forced convection with digital PID control. Maximum temperature, power and heater rating differ between HOV, SHOV and UHOV. GHT selects the model for your operating temperature and installation conditions.

RT = ambient temperature. Uniformity is stated at the indicated test temperature. Confirm final configuration, electrical supply and performance conditions with GHT.

High-temperature oven

S-SHOV90 / S-SHOV150 / S-SHOV252

Model	S-SHOV90	S-SHOV150	S-SHOV252
Capacity (L)	90	150	252
Operating temperature (°C)	40-450 (RT ≤25)	40-450 (RT ≤25)	40-450 (RT ≤25)
Maximum temperature (°C)	500	500	500
Temperature uniformity	300°C: ±3°C; 450°C: ±4°C	300°C: ±3°C; 450°C: ±4°C	300°C: ±3°C; 450°C: ±4°C
Internal W×D×H (mm)	450×450×450	500×500×600	700×600×600
External W×D×H (mm)	1270×753×1480	1320×803×1630	1520×903×1630
Heater rating (kW)	4.5	6	9
Power / maximum current	380V 3-phase Max. 7.5A	380V 3-phase Max. 10A	380V 3-phase Max. 15A

Construction, control and configuration

Forced convection with digital PID control. Maximum temperature, power and heater rating differ between HOV, SHOV and UHOV. GHT selects the model for your operating temperature and installation conditions.

RT = ambient temperature. Uniformity is stated at the indicated test temperature. Confirm final configuration, electrical supply and performance conditions with GHT.

High-temperature oven

S-UHOV90 / S-UHOV150 / S-UHOV252

Model	S-UHOV90	S-UHOV150	S-UHOV252
Capacity (L)	90	150	252
Operating temperature (°C)	40-700 (RT ≤25)	40-700 (RT ≤25)	40-700 (RT ≤25)
Maximum temperature (°C)	720	720	720
Temperature uniformity	450°C: ±4°C	450°C: ±4°C	450°C: ±4°C
Internal W×D×H (mm)	450×450×450	500×500×600	700×600×600
External W×D×H (mm)	1320×787×1693	1380×837×1843	1560×937×1843
Heater rating (kW)	7.2	10.8	15
Power / maximum current	380V 3-phase Max. 12A	380V 3-phase Max. 17A	380V 3-phase Max. 23A

Construction, control and configuration

Forced convection with digital PID control. Maximum temperature, power and heater rating differ between HOV, SHOV and UHOV. GHT selects the model for your operating temperature and installation conditions.

RT = ambient temperature. Uniformity is stated at the indicated test temperature. Confirm final configuration, electrical supply and performance conditions with GHT.

Large-capacity industrial oven

S-IOV864 / S-IOV1152 / S-IOV2250

Model	S-IOV864	S-IOV1152	S-IOV2250
Capacity (L)	864	1152	2250
Operating temperature (°C)	40-200 (RT ≤25)	40-200 (RT ≤25)	40-200 (RT ≤25)
Maximum temperature (°C)	250	250	250
Temperature uniformity	120°C: ±2°C; 200°C: ±3°C	120°C: ±2°C; 200°C: ±3°C	120°C: ±2°C; 200°C: ±3°C
Internal W×D×H (mm)	900×800×1200	1200×800×1200	1500×1000×1500
External W×D×H (mm)	1460×1364×1743	1760×1365×1728	2060×1600×2032
Heater rating (kW)	7	12	18
Power / maximum current	380V 3-phase Max. 11.5A	380V 3-phase Max. 19.5A	380V 3-phase Max. 29.5A

Construction, control and configuration

Forced convection with digital PID control. Dimensions, power and other specifications for S-IOV2250B are confirmed separately.

RT = ambient temperature. Uniformity is stated at the indicated test temperature. Confirm final configuration, electrical supply and performance conditions with GHT.

Drum drying oven

S-IOVDR-2 / S-IOVDR-4

Model	S-IOVDR-2	S-IOVDR-4
Capacity (L)	1666	2744
Operating temperature (°C)	40-120 (RT ≤25)	40-120 (RT ≤25)
Maximum temperature (°C)	150	150
Internal W×D×H (mm)	1400×850×1400	1400×1400×1400
External W×D×H (mm)	1662×1049×2163	1680×1618×2167
Heater rating (kW)	6	9
Power / maximum current	380V 3-phase Max. 9.2A	380V 3-phase Max. 14A

Construction, control and configuration

Forced convection; digital PID. Polished SUS304 interior and powder-coated steel exterior. Fans Ø200×100H: 2 / 3; ½HP motors: 2 / 3 (S-IOVDR-2 / -4 respectively). Window: -2 none; -4 two 250×500mm windows. No shelves. Leakage breaker and overtemperature protection.

RT = ambient temperature. Uniformity is stated at the indicated test temperature. Confirm final configuration, electrical supply and performance conditions with GHT.

Clean drying oven

S-CLOV90 / S-CLOV150

Model	S-CLOV90	S-CLOV150
Capacity (L)	90	150
Operating temperature (°C)	40-200 (RT ≤25)	40-200 (RT ≤25)
Maximum temperature (°C)	210	210
Internal W×D×H (mm)	450×450×450	600×500×500
External W×D×H (mm)	614×855×1015	764×905×1063
Heater rating (kW)	1.2	2
Power / maximum current	220V single-phase Max. 6A	220V single-phase Max. 9A

Construction, control and configuration

Forced convection; digital PID. Polished SUS304 interior, powder-coated steel exterior. Ø180×80H fans: 1 / 2; 90W motors: 1 / 2 (90L / 150L). Two perforated stainless shelves. HEPA efficiency 99.97% at 0.3µm applies to the filter, not a guaranteed chamber cleanliness class. Leakage breaker and overtemperature protection.

RT = ambient temperature. Uniformity is stated at the indicated test temperature. Confirm final configuration, electrical supply and performance conditions with GHT.

Natural convection oven

S-NOV80 / S-NOV150 / S-NOV252

Model	S-NOV80	S-NOV150	S-NOV252
Capacity (L)	80	150	252
Operating temperature (°C)	40-200 (RT ≤25)	40-200 (RT ≤25)	40-200 (RT ≤25)
Maximum temperature (°C)	250	250	250
Internal W×D×H (mm)	430×400×470	550×450×600	700×600×600
External W×D×H (mm)	570×587×826	690×637×956	840×788×949
Heater rating (kW)	1.2	2	2.6
Power / maximum current	220V single-phase Max. 5.5A	220V single-phase Max. 9.2A	220V single-phase Max. 12A

Construction, control and configuration

Natural convection; digital PID; contactless SSR control. Timer up to 99h59min, with min-sec selection. Polished SUS304 interior, powder-coated steel exterior. Two perforated stainless shelves. Window: S-NOV80 100×300mm; S-NOV150/252 150×300mm. Leakage breaker and overtemperature protection.

RT = ambient temperature. Uniformity is stated at the indicated test temperature. Confirm final configuration, electrical supply and performance conditions with GHT.

Indirect-heating vacuum oven

S-VAC08 / S-VAC27 / S-VAC64

Model	S-VAC08	S-VAC27	S-VAC64
Capacity (L)	8	27	64
Operating temperature (°C)	40-200 (RT <25)	40-200 (RT <25)	40-200 (RT <25)
Maximum temperature (°C)	210	210	210
Internal W×D×H (mm)	200×200×200	300×300×300	400×400×400
External W×D×H (mm)	348×323×509	598×532×777	698×632×877
Heater rating (kW)	0.4	1.2	1.95
Power / maximum current	220V single-phase Max. 1.8A	220V single-phase Max. 5.4A	220V single-phase Max. 8.8A

Construction, control and configuration

Acid-finished SUS304 interior; powder-coated steel exterior. Digital PID, contactless SSR control and timer up to 99h59min (min-sec selectable). Leakage breaker and overtemperature protection. Pump, trap and valve configuration is confirmed for the process. Shelves: 3T removable aluminium; S-VAC08/27 two, S-VAC64 three. The 0–760mmHg vacuum-resistance notation is not a guaranteed ultimate absolute pressure. Target pressure is confirmed separately.

RT = ambient temperature. Uniformity is stated at the indicated test temperature. Confirm final configuration, electrical supply and performance conditions with GHT.

High-temperature vacuum oven

S-HVAC27 / S-HVAC64

Model	S-HVAC27	S-HVAC64
Capacity (L)	27	64
Operating temperature (°C)	40-300 (RT <25)	40-300 (RT <25)
Maximum temperature (°C)	350	350
Internal W×D×H (mm)	300×300×300	400×400×400
External W×D×H (mm)	598×532×777	698×632×877
Heater rating (kW)	2.4	4.5
Power / maximum current	220V single-phase Max. 11A	220V single-phase Max. 20.4A

Construction, control and configuration

Acid-finished SUS304 interior; powder-coated steel exterior. Digital PID, contactless SSR control and timer up to 99h59min (min-sec selectable). Leakage breaker and overtemperature protection. Pump, trap and valve configuration is confirmed for the process. Shelves: removable SUS 3T; 27L two, 64L three. The 0–760mmHg vacuum-resistance notation is not a guaranteed ultimate absolute pressure. Target pressure is confirmed separately.

RT = ambient temperature. Uniformity is stated at the indicated test temperature. Confirm final configuration, electrical supply and performance conditions with GHT.

Shelf-heated vacuum oven

S-VAC27-AP / S-VAC64-AP

Model	S-VAC27-AP	S-VAC64-AP
Capacity (L)	27	64
Operating temperature (°C)	40-300 (RT <25)	40-300 (RT <25)
Maximum temperature (°C)	350	350
Internal W×D×H (mm)	300×300×300	400×400×400
External W×D×H (mm)	598×532×777	698×632×877
Heater rating (kW)	0.8	1.2
Power / maximum current	220V single-phase Max. 4A	220V single-phase Max. 6A

Construction, control and configuration

Acid-finished SUS304 interior; powder-coated steel exterior. Digital PID, contactless SSR control and timer up to 99h59min (min-sec selectable). Leakage breaker and overtemperature protection. Pump, trap and valve configuration is confirmed for the process. Shelves: fixed SUS 3T; 27L two, 64L three. The 0–760mmHg vacuum-resistance notation is not a guaranteed ultimate absolute pressure. Target pressure is confirmed separately.

RT = ambient temperature. Uniformity is stated at the indicated test temperature. Confirm final configuration, electrical supply and performance conditions with GHT.

Large-capacity industrial vacuum oven

S-IVAC125 / S-IVAC400 / S-IVAC600

Model	S-IVAC125	S-IVAC400	S-IVAC600
Capacity (L)	125	400	600
Operating temperature (°C)	40-200 (RT <25)	40-200 (RT <25)	40-200 (RT <25)
Maximum temperature (°C)	200	200	200
Internal W×D×H (mm)	500×500×500	710×705×800	710×705×1200
External W×D×H (mm)	1136×762×1458	1355×1061×1823	1555×1076×1734
Heater rating (kW)	3	6	7.6
Power / maximum current	220V single-phase Max. 13.6A 380V 3-phase Max. 4.6A	220V single-phase Max. 27.2A 380V 3-phase Max. 9.1A	380V 3-phase Max. 11.5A 440V 3-phase Max. 10A

Construction, control and configuration

Acid-finished SUS304 interior; powder-coated steel exterior. Digital PID, contactless SSR control and timer up to 99h59min (min-sec selectable). Leakage breaker and overtemperature protection. Pump, trap and valve configuration is confirmed for the process. Shelves: removable SUS 3T; quantity can be discussed. The 0–760mmHg vacuum-resistance notation is not a guaranteed ultimate absolute pressure. Target pressure is confirmed separately.

RT = ambient temperature. Uniformity is stated at the indicated test temperature. Confirm final configuration, electrical supply and performance conditions with GHT.

Type A Industrial Drying Oven

S-IOV864A / S-IOV1152A / S-IOV2250A

Model	S-IOV864A	S-IOV1152A	S-IOV2250A
Capacity (L)	864	1152	2250
Operating temperature (°C)	40-200 (RT ≤25)	40-200 (RT ≤25)	40-200 (RT ≤25)
Maximum temperature (°C)	250	250	250
Temperature uniformity	120°C: ±2°C; 200°C: ±3°C	120°C: ±2°C; 200°C: ±3°C	120°C: ±2°C; 200°C: ±3°C
Internal W×D×H (mm)	900×800×1200	1200×800×1200	1500×1000×1500
External W×D×H (mm)	1460×992×1938	1760×992×1959	2040×1200×2493
Heater rating (kW)	7	12	18
Power / maximum current	380V 3-phase Max. 11.5A	380V 3-phase Max. 19.5A	380V 3-phase Max. 29.5A

Construction, control and configuration

Forced convection with digital PID control. Uniformity refers to the stated test temperature and depends on loading and installation conditions.

RT = ambient temperature. Uniformity is stated at the indicated test temperature. Confirm final configuration, electrical supply and performance conditions with GHT.

High-temperature Industrial Drying Oven

S-HIOV864 / S-HIOV1152 / S-HIOV2250

Model	S-HIOV864	S-HIOV1152	S-HIOV2250
Capacity (L)	864	1152	2250
Operating temperature (°C)	RT+10-320 (RT ≤25)	RT+10-320 (RT ≤25)	RT+10-320 (RT ≤25)
Maximum temperature (°C)	350	350	350
Temperature uniformity	200°C: ±3°C; 300°C: ±4°C	200°C: ±3°C; 300°C: ±4°C	200°C: ±3°C; 300°C: ±4°C
Internal W×D×H (mm)	900×800×1200	1200×800×1200	1500×1000×1500
External W×D×H (mm)	1460×1374×1743	1760×1372×2090	2060×1605×2390
Heater rating (kW)	12	18	24
Power / maximum current	380V 3-phase Max. 19.5A	380V 3-phase Max. 29.5A	380V 3-phase Max. 38.5A

Construction, control and configuration

Forced convection with digital PID control. Uniformity refers to the stated test temperature and depends on loading and installation conditions.

RT = ambient temperature. Uniformity is stated at the indicated test temperature. Confirm final configuration, electrical supply and performance conditions with GHT.

Nitrogen-purge Vacuum Drying Oven

S-VAC27-N / HVAC27-N / S-VAC27AP-N

Model	S-VAC27-N	HVAC27-N	S-VAC27AP-N
Capacity (L)	27	27	27
Operating temperature (°C)	40-200 / 40-300 (options)	40-200 / 40-300 (options)	40-200 / 40-300 (options)
Maximum temperature (°C)	250 / 350 (options)	250 / 350 (options)	250 / 350 (options)
Internal W×D×H (mm)	300×300×300	300×300×300	300×300×300
External W×D×H (mm)	598×532×777	598×532×777	598×532×777
Power / maximum current	220V single-phase	220V single-phase	220V single-phase

Construction, control and configuration

Acid-finished SUS304 interior; powder-coated steel exterior. Digital PID, contactless SSR control and timer up to 99h59min (min-sec selectable). Leakage breaker and overtemperature protection. Pump, trap and valve configuration is confirmed for the process. The 0–760mmHg vacuum-resistance notation is not a guaranteed ultimate absolute pressure. Target pressure is confirmed separately. Maximum 250/350°C and operating 40–200/40–300°C are configuration options. Confirm the model-specific temperature configuration with GHT.

RT = ambient temperature. Uniformity is stated at the indicated test temperature. Confirm final configuration, electrical supply and performance conditions with GHT.

Industrial Shelf-heated Vacuum Drying Oven

S-IVAC125-AP / S-IVAC400-AP / S-IVAC600-AP

Model	S-IVAC125-AP	S-IVAC400-AP	S-IVAC600-AP
Capacity (L)	125	400	600
Operating temperature (°C)	40-200 (RT <25)	40-200 (RT <25)	40-200 (RT <25)
Maximum temperature (°C)	200	200	200
Internal W×D×H (mm)	500×500×500	710×705×800	710×705×1200
External W×D×H (mm)	1136×762×1458	1355×1061×1823	1555×1076×1734
Power / maximum current	220V single-phase 220V 3-phase 380V 3-phase 440V 3-phase	220V single-phase 220V 3-phase 380V 3-phase 440V 3-phase	220V single-phase 220V 3-phase 380V 3-phase 440V 3-phase

Construction, control and configuration

Acid-finished SUS304 interior; powder-coated steel exterior. Digital PID, contactless SSR control and timer up to 99h59min (min-sec selectable). Leakage breaker and overtemperature protection. Pump, trap and valve configuration is confirmed for the process. Shelves: fixed SUS 3T; quantity can be discussed. Shelf heaters 500W–2kW, selected by configuration.

RT = ambient temperature. Uniformity is stated at the indicated test temperature. Confirm final configuration, electrical supply and performance conditions with GHT.

Industrial Vacuum Drying Oven Set with Integrated Trap

S-IVAC400 SET / S-IVAC600 SET

Model	S-IVAC400 SET	S-IVAC600 SET
Capacity (L)	400	600
Operating temperature (°C)	40-200 (RT <25)	40-200 (RT <25)
Maximum temperature (°C)	200	200
Internal W×D×H (mm)	710×705×800	710×705×1200
External W×D×H (mm)	1355×1061×1823	1555×1076×2125
Power / maximum current	380V 3-phase 440V 3-phase	380V 3-phase 440V 3-phase

Construction, control and configuration

Acid-finished SUS304 interior; powder-coated steel exterior. Digital PID, contactless SSR control and timer up to 99h59min (min-sec selectable). Leakage breaker and overtemperature protection. Pump, trap and valve configuration is confirmed for the process.

RT = ambient temperature. Uniformity is stated at the indicated test temperature. Confirm final configuration, electrical supply and performance conditions with GHT.

Wide Industrial Vacuum Drying Oven Set

S-IVAC400 SET(W) / S-IVAC600 SET(W)

Model	S-IVAC400 SET(W)	S-IVAC600 SET(W)
Capacity (L)	400	600
Operating temperature (°C)	40-200 (RT <25)	40-200 (RT <25)
Maximum temperature (°C)	200	200
Internal W×D×H (mm)	800×705×710	1200×705×710
External W×D×H (mm)	1701×1088×1635	2101×1088×1635
Power / maximum current	380V 3-phase 440V 3-phase	380V 3-phase 440V 3-phase

Construction, control and configuration

Acid-finished SUS304 interior; powder-coated steel exterior. Digital PID, contactless SSR control and timer up to 99h59min (min-sec selectable). Leakage breaker and overtemperature protection. Pump, trap and valve configuration is confirmed for the process.

RT = ambient temperature. Uniformity is stated at the indicated test temperature. Confirm final configuration, electrical supply and performance conditions with GHT.

Muffle Furnace

S-MF01 / S-MF02 / S-MF03

Model	S-MF01	S-MF02	S-MF03
Capacity (L)	3	5	14
Operating temperature (°C)	1000 (RT ≤25)	1000 (RT ≤25)	1000 (RT ≤25)
Maximum temperature (°C)	1200	1200	1200
Internal W×D×H (mm)	130×250×90	150×300×100	250×350×160
External W×D×H (mm)	416×533×555	436×584×565	536×634×625
Heater rating (kW)	1.8	2.8	4.9
Power / maximum current	220V single-phase Max. 8.5A	220V single-phase Max. 13A	220V single-phase Max. 22.5A

Construction, control and configuration

Ceramic-fibre-board insulation; powder-coated steel exterior. KANTHAL A-1 moulded heater. PID/SSR control, timer, leakage breaker and overtemperature protection. Digital PID controller.

RT = ambient temperature. Uniformity is stated at the indicated test temperature. Confirm final configuration, electrical supply and performance conditions with GHT.

Tube Furnace

S-TMF50 / S-TMF80 / S-TMF100 / S-TMF120

Model	S-TMF50	S-TMF80	S-TMF100	S-TMF120
Operating temperature (°C)	1000 (RT ≤25)	1000 (RT ≤25)	1000 (RT ≤25)	1000 (RT ≤25)
Maximum temperature (°C)	1200	1200	1200	1200
External W×D×H (mm)	420×400×600	500×400×570	550×430×600	550×460×630
Heater rating (kW)	3	3	3	3
Power / maximum current	220V single-phase 380V 3-phase	220V single-phase 380V 3-phase	220V single-phase 380V 3-phase	220V single-phase 380V 3-phase
Tube diameter (mm)	50	80	100	120
Heated length (mm)	300	300	300	300

Construction, control and configuration

Ceramic-fibre-board insulation; powder-coated steel exterior. KANTHAL A-1 moulded heater. PID/SSR control, timer, leakage breaker and overtemperature protection. Programmable PID controller.

RT = ambient temperature. Uniformity is stated at the indicated test temperature. Confirm final configuration, electrical supply and performance conditions with GHT.