ENRICO BRUNO s.r.l.
APPARECCHI SCIENTIFICI
SANITARI – INDUSTRIALI

1960 50° 2010

Over 50 years in cooperation with the health world, the scientific research, the environmental and quality control world

THERMOSTATIC OVENS

SCN NATURAL AIR CONVECTION

SCF FORCED AIR CIRCULATION

FOR DRYING, STERILISATION JOBS, TESTS ON MATERIALS WITH DIGITAL PID CONTROLLER

Vers. 10/26



Key Features

- Full stainless steel construction, internal walls AISI 430, external structure AISI 304 “Scotch Brite”, allows maximum corrosion resistance and easy cleaning
- Internal chamber with laminar air circulation and uniform warmth distribution offered by two lateral convection ducts with perforated walls and by resistors position in pre-warming chamber
- Motor with fan for air circulation fixed in lateral position, allows an horizontal and diagonal air flow among all the volume of the chamber (only mod. SCF/DG)
- Thermal insulation by high quality mineral fiber in adequate thickness
- Front door with thermal insulation (one or two according to the model), with silicone rubber gasket
- Perforated stainless steel AISI 430 lean shelves, extractable and fixable on different heights
- Pass-through port (on the back wall) for exhaust air external probes
- Rubber antiskid feet adjustable in height.

Standard thermal equipment

- Digital microprocessor-based PID touchscreen temperature controller with auto-tuning and PT100 platinum probe
- Temperature range from +10°C above ambient temperature to +250°C
- Sensitive Touch keypad with full front-panel protection against dust and liquids (IP65 rating)
- Integrated 99h 59’ digital timer; countdown/continuous operation and delayed start functions
- Independent, adjustable over-temperature safety thermostat (Class 3.1 – DIN 12880); activates in the event of main temperature controller or probe failure, with visual alarm
- Chamber temperature uniformity: ± 2.0°C at 150°C (SCN model)
  ± 1.5°C at 150°C (SCF model)
- Temperature stability (over time): ± 0.3°C at 150°C
- Compliant with European Council Directives 2006/42/EC (Machinery Directive), 2014/35/EU (Low Voltage Directive), 2014/30/EU (Electromagnetic Compatibility Directive), and EN 6101-1:(2001) standards.
- Temperature calibration certificate issued via an ACCREDIA-certified thermometric chain





Optional

Code	Description
8843201	Touch screen programmer 8 segments (4 ramps + 4 permanencies) / Digital Timer 99h, 59'.
8843203	Touch screen programmer 8 programs up to 12 segments (6 ramps + 6 permanencies) / Digital Timer 99h, 59'.
8843224	3.5 "color touch screen programmer, LED backlight, max. 24 segments, 20 programs, hour/ minute and minute/second setting, delayed start, program repeat, exportable stored data, internal micro USB port
8843251	Programmer 200 segments, 90 programs in memory, Real Time Clock, with USB port
8844101	USB port with RS 485 converter, for data recording (management software occurs)
8845315	Digital daily / weekly Timer 24 h / week days, allows working cycles on 24h o weekly basis
8849318	Acoustic / Visual end of cycle indicator (with pilot light)
8845340	Videographic colours Recorder 5,7" TFT IP65 LCD display, internal memory data storage and compact flash 512 MB, USB port, independent PT100 probe, complete with data analysis software
8853624	By-pass duct for external thermometric probes

	Stainless Steel AISI 304 Floor Stand	Supplementary Perforated Stainless Steel Shelves AISI 430	Temperature Upgrade Kit Max +300°C
Model	Code	Code	Code
SCN/SCF 21	8853202	8853502	-
SCN/SCF 40	8853204	8853504	8851304
SCN/SCF 58	8853206	8853506	8851306
SCN/SCF 96	8853210	8853510	8851310
SCN/SCF 162	8853216	8853516	8851316
SCN/SCF 245	8853225	8853525	8851325

SCN/SCF 400	8853340 Varnished steel Floor Stand (assembly kit)	8853540	8851340
SCN/SCF 760	8853375 Varnished steel Floor Stand with feet	8853575	-
	8853475 Painted steel base 4 pivoting wheels (2 with brake)		

On request:

- Serial interface RS485 – RS232
- Management software (reporting, graphics, alarms, running process visualization)
- 4-wheel floor stand kit (2 with brake)

We produce ovens on special measures and/or on Customer demand and for continuous work from 250 to 350°C.

SCN Natural air convection	Internal Dimensions (mm)			External dimensions (except for opening knob) (mm)			Cap.	Shelves supplied/max	Doors	Weight	Power (230V 50-60Hz) (**)
Model Code	W	H	D	W	H	D	Litres	n.	n.	Kg	W
SCN 21 9051002	310	260	250	610	575	410	20	1 / 5	1	25	800
SCN 40 9051004	430	310	300	730	610	460	40	1 / 6	1	36	1000
SCN 58 9051006	460	360	350	760	660	460	58	2 / 8	1	42	1200
SCN 96 9051010	540	440	420	840	760	555	100	2 / 9	1	58	1500
SCN 162 9051016	600	600	450	900	900	565	162	2 / 9	1	70	2000
SCN 245 9051025	650	700	550	950	1020	665	250	2 / 10	1	78	2400
SCN 400 9051040	830	830	600	1130	1130	715	413	2 / 10	2	90	2800
SCN 760 9051075	1000	1200	630	1300	1520	755	756	3 / 18	2	127	4100 (400V 3ph+N – 50-60Hz)

(**) on request execution 115 V

SCF Forced air circulation	Internal Dimensions (mm)			External dimensions (except for opening knob) (mm)			Cap.	Shelves supplied/max	Doors	Weight	Power (230V-50Hz) (**)
Model Code	W	H	D	W	H	D	Litres	n.	n.	Kg	W
SCF 21 9054002	310	260	250	610	575	410	20	1 / 5	1	26	800
SCF 40 9054004	430	310	300	730	610	460	40	1 / 6	1	37	1000
SCF 58 9054006	460	360	350	760	660	460	58	2 / 8	1	43	1200
SCF 96 9054010	540	440	420	840	760	555	100	2 / 9	1	60	1500
SCF 162 9054016	600	600	450	900	900	565	162	2 / 9	1	72	2000
SCF 245 9054025	650	700	550	950	1020	665	250	2 / 10	1	80	2400
SCF 400 9054040	830	830	600	1130	1130	715	413	2 / 10	2	92	2800
SCF 760 9054075	1000	1200	630	1300	1520	755	756	3 / 18	2	131	4100 (400V 3ph+N – 50-60Hz)

(**) on request other voltage/tension