

BF series: For the incubation of large amounts

The new incubators with forced convection distinguish themselves from all others through their superior temperature accuracy. The advantage of the BF series lies in very accurate temperature distribution in the usable space also in case of high load density of the incubator and fast temperature recovery time after door openings. The incubators fulfil all quality requirements for constant reproducible incubation conditions. Perfect cleaning facilities, disinfection at 99 °C and easy handling ensure full reliability of the units. Due to the broad temperature range and their high-quality fittings, the units of the BF series can be used for all incubation tasks in research, production and quality control.



► Operative ranges:

Pharmaceutical and chemical industry ·
Cosmetics industry, biotechnology,
foodstuffs industry (food and beverage),
animal Food industry, paper and textile
industry, academic research at universi-
ties, academies, research institutes: bio-
logy, medicine, pharma science, educa-
tion at schools, hygienics and water
analysis (fresh water and sewage), envi-
ronmental technology, state-accredited
control institutes

► Performance features:

- Temperature range: from 5 °C above ambient temperature up to 100 °C
- Maximum temperature precision ± 0,4 °C
- Fastest temperature recovery time 1 min (at 30 sec. open door, at 37 °C, measuring at a 53l-chamber)
- Minimal set value fluctuation at the whole temperature spectrum
- Stable incubator conditions, independent from external climatically fluctuations, outstanding isolation
- Very low energy consumption
- can be used for certified laboratories

► Equipment:

- Patented APT-Line® preheating chamber technology
- Microprocessor controller with LED-display and integrated timer

- Numerous temperature and time functions
- Digital temperature setting with tenth of a degree accuracy
- One ramp function
- Adjustable fan speed (0 - 100%)
- Interface RS 422 for communication software APT-COM® 3 DataControl System
- Inner glass door
- Temperature safety device class 3.1 (DIN 12880)
- Optical temperature alarm
- Adjustable ventilation by means of rear exhaust duct Ø 50 mm with ventilation flap and front ventilation slide
- 2 chrome-plated shelves
- Inner chamber volume in litres: 53; 115; 240; 400; 720

BF series	BF 53	BF 115	BF 240	BF 400	BF 720
Exterior dimensions					
Width (mm)	634	834	1034	1234	1234
Height (inclusive feet/casters) (mm)	617	702	822	1030	1530
Depth (mm)	575	645	745	765	865
plus door handle (mm)	85	85	85	85	85
Interior dimensions					
Width (mm)	400	600	800	1000	1000
Height (mm)	400	480	600	800	1200
Depth (mm)	330	400	500	500	600
Interior volume (l)	53	115	240	400	720
Shelves, chrome-plated (number standard/max)	2/4	2/5	2/7	2/10	2/16
Load per shelf (kg)	15	20	30	35	45
Permitted total load (kg)	40	50	70	90	120
Temperature range, 5 °C above ambient up to (°C)					
Temperature range	100	100	100	100	100
Temperature variation ¹⁾ at 37 °C (± °C)	0.4	0.4	0.5	0.3	0.4
Temperature fluctuation 37 °C (± °C)	0.1	0.1	0.1	0.1	0.1
Nominal voltage (± 10 %) 50/60 Hz (V)	230	230	230	230	230
Nominal power (W)	400	400	680	850	1250
Number of doors	1	1	2	2	2
Optional					
Shelves, chrome-plated resp. stainless steel	●	●	●	●	●
Lockable door	●	●	●	●	●
Access ports with silicone plug	●	●	●	●	●
Waterproof interior socket	●	●	●	●	●
Printer Hybrid for numerical and graphical temperature registration	●	●	●	●	●
Additional PT100 temperature sensor, fix or flexible with external connection	●	●	●	●	●
Measuring protocol acc. to DIN 12880, Part 2	●	●	●	●	●
Calibration certificate	●	●	●	●	●
Acoustic alarm can be switched off in case of over temp.	●	●	●	●	●
Analogue outputs for temperature 4 to 20mA with DIN bushing 6 poles	●	●	●	●	●
Rubber pads for save stacking	●	●	●	●	●

All technical data are specified for units with standard equipment at an ambient temperature of +22 °C and a voltage fluctuation of ±10 %. The temperature data are determined in accordance to DIN 12880, part 2 respecting the recommended wall clearances of 10 % of the height, width and depth of the inner chamber. All indications are average values, typical for units produced in series. We reserve the right to alter technical specifications at all times.

¹⁾ without glass door

²⁾ up to 98 % of the set value

- Optional
- not available

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