

Sampling/Preparation

Sample Concentrator, SC-200

Cole-Parmer®
an antylia scientific company

Patent No. 1484356

A modular system comprising gas reservoir with accessory block heater, blocks and needles.

- ◆ Choice of block temperature ranges: ambient + 5 to 100°C, ambient +5 to 200°C
- ◆ Rapid concentration of up to 90 samples simultaneously

Widely used in the preparation of samples for analytical techniques including drug screening, hormone assay, chromatographic analysis and scintillation counting.

Each concentrator comprises an adjustable gas reservoir mounted on an accessory block heater which will accept three insert blocks. As the samples are being heated gas is passed via the unique patented gas reservoir through hypodermic needles on the surface of the test solution, so providing the environment for rapid evaporation and sample concentration. The accessory hypodermic needles are set in a silicone rubber matrix enabling their positions to be changed to accommodate different tube configurations. The concentrators can be placed in a fume cupboard when toxic vapours are being evaporated.

Gas reservoir and stand, SC-200, Cole-Parmer

As described. Suitable for most common gases. Pressure must not exceed 14kN/m² (2psi). Requires a gas supply and block heater. Without block heater, insert blocks (three required) or needles.

SD300-31 Gas reservoir and stand. Requires block heater, needles and blocks

Needles, plain

- SD304-08** 76mm long, pack of 100
SD304-12 127mm long, pack of 100

Needles PTFE coated

- SD304-16** 76mm long, pack of 100
SD304-20 127mm long, pack of 100

Block heaters

- BK340-40** BH-250-3, ambient + 5 to 100°C
BK340-52 BH-250D-3-HT, ambient + 5 to 200°C

Aluminium Insert blocks

Overall 95 x 76 x 51mm, hole depth 48mm, mass 0.7kg.

- BK360-04** For 30 x 6mm tubes
BK360-08 For 20 x 10mm tubes
BK360-12 For 20 x 12mm tubes
BK360-16 For 20 x 13mm tubes

BK360-20 For 12 x 15mm tubes
BK360-24 For 12 x 16mm tubes
BK360-28 For 8 x 19mm tubes
BK360-32 For 6 x 24mm tubes

BK360-36 For 6 x 25mm tubes
BK360-40 For 6 x 26mm tubes
BK362-04 For 2 x 10mm cuvettes
BK364-04 For 20 x 1.5ml Eppendorf tubes

BK364-06 For 30 x 0.5ml Eppendorf tubes
BK366-04 Solid for user to drill
BK368-04 Solid but with thermometer hole

Block heater specifications

Catalogue No.	BK340-40	BK340-52
Model	BH-250-3	BH-250D-3-HT
Temperature range	°C ambient + 5 to 100	ambient + 5 to 200
Control	Analogue	Digital
Temperature stability at 100°C	°C ± 0.15 — both models	
Nominal heater power at 240V	W 650 — both models	
Timer, 1minute to 99hours, 59minutes	no	yes
Electrical supply	230V 50/60Hz – both models	
Overall L x W x H		
Concentrator stand	mm 295 x 240 x 530	
Block heater	mm 279 x 260 x 105	



SD300-31 in use with BK340