



Sample Concentrators

The Techne® Sample Concentrator accelerates the concentration of large numbers of samples in a matter of minutes whereas traditional techniques may take several hours.

The Sample Concentrator consists of a fully adjustable gas reservoir which mounts over a precision controlled DB-3 series Dri-Block® heater enabling samples to be heated quickly and efficiently to the required temperature to assist evaporation.

Page 24 - Sample Concentrators

Sample Concentrator

Sample Concentrator

The Techne® Sample Concentrator accelerates the concentration of large numbers of samples in a matter of minutes, where traditional methods can take hours. It is ideal for the life science researcher and chemist alike designed for applications such as sample preparation, drug screening, hormone assays, chromatographic analysis and scintillation counting.

Unique gas chamber

Evaporation is increased by passing an inert gas over the surface of the sample to remove any evaporated solvent molecules, maintaining the concentration gradient. The gas travels through the unique patented gas chamber to the samples via the needles. The needles are inserted into a silicone matrix and can be spaced to fit varying combinations of tubes from 26mm tubes to 0.2ml microcentrifuge tubes.

Compact

The unit is light and compact enough for convenient use in a fume cupboard when toxic solvents are being evaporated.

Needles

The needles are made from high quality stainless steel and are specially designed for use with the Techne® Sample Concentrator. When corrosive solutions are being used, PTFE coated needles are available.

Fully adjustable

The Sample Concentrator's gas reservoir is mounted on a fully adjustable stand for accurate height control.

Technical Specification

Maximum gas pressure	Must not exceed 2 psi
Maximum vertical travel	320mm
Maximum gas usage	15 litres / minute
Gas	Any inert gas (often Nitrogen)
Gas intake nozzle diameter	6.35mm (1/4")
Needle position	Variable to suit Techne® Dri-Blocks®
Dimensions L x W x H (mm)	295 x 240 x 530
Shipping weight (gas chamber and stand) ¹	5kg

Ordering Information

Product Code	Description
FSC400D	Sample Concentrator gas reservoir and stand only ²
FSC496D	Sample Concentrator gas reservoir and stand only (96-wells)

Needles¹

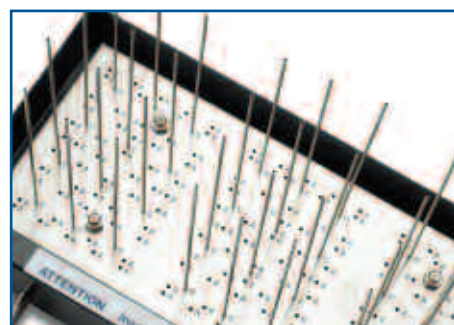
F7209	Pack of 100 needles, 76mm long
F7210	Pack of 100 needles, 127mm long
FSC4NCS	Pack of 100 PTFE coated needles, 76mm long
FSC4NCL	Pack of 100 PTFE coated needles, 127mm long

¹ Needles are not included with the Sample Concentrator and must be ordered separately.

² The Sample Concentrator comes complete with gas chamber and stand. Two models are available, one for test tubes, cuvettes and small containers (FSC400D) and one for 96-well plates (FSC496D). A DB-3 Dri-Blocks® heater and insert blocks are also required.



Standard Sample Concentrator (FSC400D).



Patented gas chamber