



Sample Concentrator

Concentrating multiple samples

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.

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A sample concentrator is a fast and convenient way of concentrating multiple samples in a block heater at once. Utilising a simple gas delivery system the sample concentrator passes an inert gas over the surface of your samples via stainless steel needles. This in combination with the heat from the block heater below produces ideal conditions for fast, efficient evaporation.

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 gas delivery needles are inserted into a silicon membrane, in virtually any configuration. The Sample Concentrator's gas reservoir is mounted on a fully adjustable stand for accurate height control. It is also compatible with a Techne® DB-3, DB-3D or DB-3DL Dri-Block® heater and inserts.

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-Block® units
Dimensions (L x W x H), mm	295 x 240 x 530
Shipping weight, kg (gas chamber and stand)	5



Ordering Information

Product code	Description
FSC400D	Sample Concentrator gas reservoir and stand only (for use with test tubes, cuvettes and small containers)
FSC496D	Sample Concentrator gas reservoir and stand only (for use 96-wells plates)
6101604	Gas chamber sealing pad

Note: A DB-3 Dri-Block® heater and insert blocks are also required.

Note: Needles are not included with the Sample Concentrator.

Product code	Description
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

