



K850 Critical Point Dryer

Quick Overview

The K850 combines versatility and ease of operation. Built-in thermo-electric heating and adiabatic cooling allow precise temperature control. The vertical pressure chamber (32mm diameter x 47mm) has a side viewing port, which allows a clear view of the liquid meniscus during filling.

Key Features

- * **Vertical chamber with top filling and bottom draining**
- * **Side viewing port** - offers good visibility
- * **Built-in adiabatic cooling and thermoelectric heating** - accurate temperature control
- * **Fine control needle valve pressure let down** - precise control of decompression avoids potential damage to specimens by uncontrolled pressure release
- * **Built-in magnetic stirrer** - enhanced solvent exchange
- * **Temperature monitoring and control with thermal cut-out protection**
- * **Pressure monitoring with safety cut-out for over pressure**
- * **Easy to operate valves** - light finger pressure only is needed to open and close
- * **Safe operation** - every K850 Critical Point Dryer is pressure tested to 2,500psi, fitted with a safety bursting disc and issued with a pressure certificate
- * **Three-year warranty**

Product Description

The K850 is fitted with thermo-electronic heating and adiabatic cooling and temperature control of +5°C cooling and +35°C during heating. This allows pre-cooling of the chamber and ensures that the critical point is accurately obtained.

The K850 is fitted with three valves: fluid inlet, flushing and a gas venting system which uses a fine needle valve to give controlled pressure let down. A built-in magnetic stirrer ensures thorough mixing of specimens with circulating fluids.

The standard specimen holder has 12 individual wells (8mm diameter x 8mm high) and allows easy exchange and transfer to and from the K850. For very small specimens CPD800A porous pots are available - see Ordering Information.

Additional Information

Ordering Information

K850	Vertical chamber 32mm Ø x 47mm H, with glass viewing port and safety shield
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Magnetic stirrer located under the base of the chamber
Controllable adiabatic cooling and heating with digital read out
CO₂ inlet valve, flushing valve and venting system and high
pressure CO₂ coupling hose

Specimen holders	AL800019-1 standard 12 specimen holder, with 12 individual specimen wells (each 8mm Ø x 8mm H)
EK4140	TEM grid holder
EK4135	Glass microscope slide holder
EK4150	Holder for bulk specimens (a single large specimen container)
CPD800A	Porous specimen pots
	Operating manual and pressure testing certificate

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