

K850 Critical Point Dryer

vertical chamber critical point dryer with built in heating and cooling



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efficient built-in heating and cooling

K850X critical point dryer



K850 Critical Point Dryer

The K850 is fitted with thermo-electric heating and adiabatic cooling enabling temperature control of +5°C cooling and +35°C during heating. This ensures the critical point is accurately obtained, avoiding excess pressures or temperatures, or the need to rely on pressure relief valves to control pressure during the heating cycle. The K850 has a vertical chamber which allows top loading of specimens. A side viewing port gives a good view of the liquid meniscus during filling.

See: www.quorumtech.com for full technical specification and additional details.

Features & Benefits

- Vertical chamber with top filling and bottom draining - ensures specimens do not become uncovered during drying
- Adiabatic cooling and thermoelectric heating - accurate temperature control
- Fine control of pressure release
- Illuminated chamber with side viewing port - good visibility
- 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

Standard specimen holder (B5222)

The B5222 has 12 individual specimen wells (8mm diameter x 8mm high). The compact two-level holder allows easy specimen exchange and transfer to and from the K850.



K850 sample holder



The holder has 12 sample wells

Options

- LED temperature display (replaces gauges)

Range of specimen holders:

- EK4140 TEM grid holder
- EK4135 Microscope cover-slip holder
- EK4130 Holder for bulk samples

PRODUCT SPECIFICATIONS

Supplied with	1 x stainless steel specimen holder (12 compartments: 8mm x 8mm), 10 x PTFE porous specimen pots (12.7mm x 15.7mm, pack 10), high pressure CO ₂ hose, operating manual & test certificate
Chamber size	32mm internal diameter x 47mm high
Test pressure	3000psi
Operating temperature	Normal operating temperature 35°C (critical temperature 32°C)
Operating pressure	1350psi (critical pressure 1172psi)
Pressure safety cut-out	1700psi
Dimensions & weight	450mm W x 350mm D x 175mm H. Weight: 12Kg
Site considerations	Requires space for CO ₂ cylinder
Electrical	230V 50Hz (3A max) 115V 60Hz (6A max)



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CRITICAL POINT DRYER