

LARGE CAPACITY FULLY AUTOMATIC CRITICAL POINT DRYER

AUTOSAMDRI®-815B, Series A



tousimis

The Large Capacity Fully Automatic **Autosamdri®-815B, Series A** was developed by Dr. A. J. Tousimis and our design team to meet active facility needs that process numerous and/or large samples. The **Autosamdri®-815B, Series A** is an instrument that works “with you and for you”. Processing efficiency for either large or multiple smaller samples distinguish the **Autosamdri®-815B, Series A**.

Autosamdri®-815B, Series A

(THE FULLY AUTOMATIC CRITICAL POINT DRYER)
Catalog # 8780B



SOTER™ Condenser

FEATURES

- Extra large process chamber dries very large or numerous smaller samples.
- Microprocessor* control insures reproducible results via our Automatic process.
- Excellent choice for active facility wishing to enhance process CPD capability.
- Chamber Inserts* reduces chamber ID to 3", 2" or 1.25" I.D. maximizing LCO₂ consumption efficiency and process times.
- Precise flow control via Micro Metering valves.
- Vernier handles on metering valves enable reproducible flow settings.
- EZ top loading process chamber.
- Under-lit chamber with view port enables visualization of chamber status.
- Internal 0.5µm particulate filtration* protect samples and valves.
- Internal surfaces inert to LCO₂ and ultra-pure alcohols.
- All electronic and other components meet UL, CE and/or U.S. Military Specifications.
- Tough, solvent resistant cabinet.
- Automatic critical point temperature - pressure regulation for system safety.
- Fast adiabatic chamber cooling* with CO₂ (<3 minutes @ room temperature).
- SOTER™ Condenser* included with system to capture waste alcohol and eliminate PURGE exhaust noise.



Chamber Inserts

External LCO₂ Filter

System Overview

SPECIFICATIONS

- Cabinet Size: 14.25"(W)x 11.75"(H) x 25.0"(L)
36.2cm(W) x 29.8cm(H) x 63.5cm (L)
- System Set-Up Area Requirement: 42"(W) x 30"(D) [107cm(W) x 76cm(D)]
- Process Chamber size: 4.5" I.D. x 1.25" Depth
- Temperature gauge range: -30°C to 60°C, Pressure gauge range: 0 to 2,000 psi.
- 120V / 50-60Hz (Other voltage units also available - Please inquire).

STANDARD ACCESSORIES

- 3 Teflon® chamber inserts. Enables chamber ID to reduce to 3", 2" or 1.25" I.D.
- SOTER™ Condenser captures all alcohol and eliminates exhaust noise. *
- Flexible High-Pressure braided stainless steel inert Teflon® lined LCO₂ Supply Hose, 10ft (approximate 3.0m) long.
- External LCO₂ filtration system (#8784) removes water/oil and particulates down to 0.5µm. Filter Housing (#8784) is conveniently pre-installed onto your LCO₂ High Pressure Hose.
- Static free exhaust tubing for the PURGE/VENT/BLEED and COOL exhaust outlets.
- Flow Meter supplied allows precise periodic BLEED exhaust rate flow control.
- Spare chamber O-ring (2), chamber lamps (2), and 5A slo-blow fuses (2).
- User Manual and Check-Out Data Sheet.
- On Site Start-Up and User Training included! **
- 2 year warranty on all parts and labor.
- **Free lifetime technical support.**



SEM of the internal surface of the carotid (human) artery. This sandried (critical point dried) sample shows not only surface membrane details but also endothelial cell boundaries and their nuclei.



LCO₂ Filter Housing (#8784)
installed onto High Pressure Hose

Visit our web site at tousimis.com or contact us about the various sample holders.

* U.S. patented (# 6,493,964) or patent pending.

Note: Actual delivered model or accessories may vary slightly, as advancements are being constantly applied.