

# 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**.

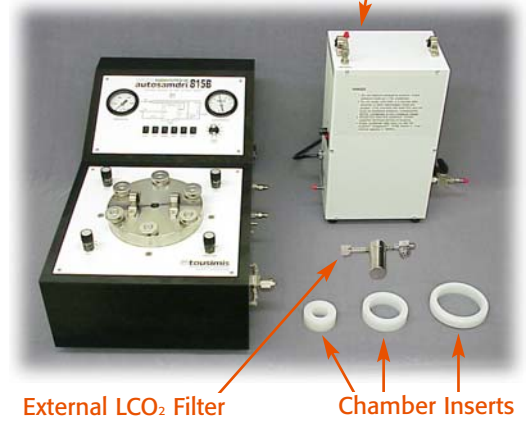
# Autosamdri®-815B, Series A

(THE FULLY AUTOMATIC CRITICAL POINT DRYER)

Catalog # 8780B



SOTER™ Condenser



## System Overview

## 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 LCO<sub>2</sub> 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 LCO<sub>2</sub> 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 CO<sub>2</sub> (<3 minutes @ room temperature).
- SOTER™ Condenser\* included with system to capture waste alcohol and eliminate PURGE exhaust noise.

## 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 LCO<sub>2</sub> Supply Hose, 10ft (approximate 3.0m) long.
- External LCO<sub>2</sub> filtration system (#8784) removes water/oil and particulates down to 0.5µm. Filter Housing (#8784) is conveniently pre-installed onto your LCO<sub>2</sub> 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.



LCO<sub>2</sub> Filter Housing (#8784) installed onto High Pressure Hose

Visit our web site at [tousimis.com](http://tousimis.com) or contact us about the various sample holders.

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

\*\* Available for most countries. Contact tousimis\* for details.

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

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Catalog # **8780B**

## **OPTIONAL ACCESSORIES**

<b>Catalog #</b>	<b>Description</b>
<b>8760-02</b>	Knurl Nut for Autosamdri®-815B
<b>8760-40</b>	5 AMP Fuse
<b>8770-10</b>	Lamp, 120/60Hz volt
<b>8770-32</b>	High Pressure Hose, 5 ft
<b>8770-33</b>	High Pressure Hose, 10 ft
<b>8770-HPS</b>	High Pressure Hose, Custom Length Up To 10m (33ft)
<b>8770-46</b>	Flow Meter - Use with Autosamdri®-815B (60 SCFH)
<b>8770-60</b>	Chamber Lid for Autosamdri®-815B
<b>8784</b>	LCO <sub>2</sub> Filter Housing for 8784A Filter Element
<b>8784A</b>	Replacement LCO <sub>2</sub> Filter Element for 8784 Filter Housing
<b>8784B</b>	O-Ring for 8784 Filter Housing Seal
<b>8784-05</b>	Gasket for LCO <sub>2</sub> Tank Connect
<b>8770-83</b>	Internal 0.5µm Brass Particulate Line Filter
<b>8770-51T/815B</b>	O-Ring for Autosamdri®-815B Chamber
<b>8770-53</b>	Power Cable, three prong, 120V/60Hz
<b>8770-54</b>	LCO <sub>2</sub> Tank Scale, w/ Remote LCD Display (400lb capacity)
<b>8770-55</b>	LCO <sub>2</sub> Tank Heater
<b>8770-56A</b>	Step-Down Transformer, 220V → 110V
<b>8770-57A</b>	Step-Up Transformer, 100V → 120V, 50/60hz
<b>8761</b>	Grid Holder, holds 12 grids.
<b>8762</b>	12 Sample Holder, each compartment measures 7.5 (dia.) x 6mm (ht.)
<b>8763</b>	24 Sample Holder, each compartment measures 4.5 (dia.) x 6mm (ht.)
<b>8764</b>	4 Sample Holder, each compartment measures 9 (dia.) x 16mm (ht.)
<b>8766</b>	Cover Slip Holder, for 9mm to 13mm diameter Glass Cover Slips
<b>8766-01</b>	Washer for Glass Slip Holder (for use with #8766)
<b>8766-02</b>	Stainless Steel Screens for Cover Slip Holder (for use with #8766)
<b>8767</b>	Cover Slip Holder, for 16mm to 22mm diameter Glass Cover Slips
<b>8767-01</b>	Washer for Glass Slip Holder (for use with #8767)
<b>8767-02</b>	Stainless Steel Screens for Cover Slip Holder (for use with #8767)

Visit [tousimis.com](http://tousimis.com) for more information.

\* Most Samdri® Autosamdri® features U.S. patented (# 6,493,964) or patent pending.  
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