THE FULLY AUTOMATIC CRITICAL POINT DRYER

AUTOSAMDRI®-815, Series A

tousimis®

The Fully Automatic **Autosamdri®-815, Series A*** was developed by Dr. A. J. Tousimis and our instrument design team. The **Autosamdri®-815, Series A*** is a fully Automatic Critical Point Dryer that works "with you and for you". Smooth process operation and precise control insuring reproducible results distinguish the Fully Automatic **Autosamdri®-815, Series A**.

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Autosamdri®-815, Series A

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Catalog # 8779B

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

FEATURES

- Automatic CPD processing via microprocessor controller delivers smooth processing and reproducible results.*
- LEDs signal every process mode of operation at a glance.
- Excellent choice for multi-user sites.
- 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_2 and ultra-pure alcohols.
- Tough, solvent resistant cabinet.
- Automatic critical point temperature - pressure regulation for system safety.
- Fast adiabatic chamber cooling* with CO_2 (<1 minute @ room temperature).
- All electronic and other components meet UL, CE and/or U.S. Military Specifications.
- Optional SOTER™ Condenser* may be attached to capture waste alcohol and eliminate PURGE exhaust noise.

Optional SOTER™ Condenser* (Cat# 8777) Quietly captures exhaust alcohol.

SPECIFICATIONS

- Cabinet Size: 14"(W)x 10.25"(H) x 21.50"(L)
  35.6cm(W) x 26.0cm(H) x 54.6cm (L)
- System Set-Up Area Requirement: 20"(W) x 30"(D)
  51cm(W) x 76cm(D)
- Process Chamber size: 1.25" 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

- Flexible High-Pressure braided stainless steel inert Teflon® lined LCO_2 Supply Hose, 5ft (approximate 1.5m) long.
- External LCO_2 filtration system (#8784) removes water/oil and particulates down to 0.5µm. Filter Housing (#8784) is conveniently pre-installed onto your LCO_2 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.
- 2 year warranty on all parts and labor.
- Free lifetime technical support.

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.*

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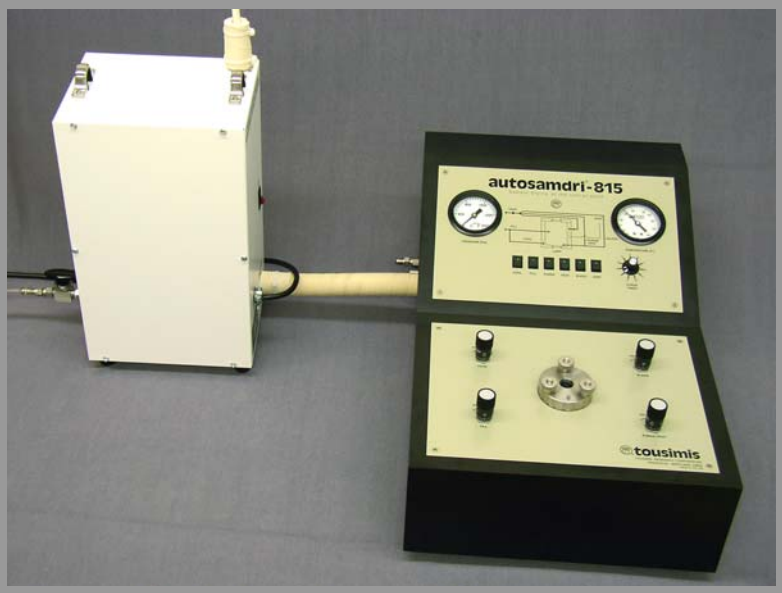
OPTIONAL SOTER™ CONDENSER (#8777)

Note: Overall System Set-Up Area Requirement with optional SOTER™ Condenser:
36”(W) x 30”(D)
92cm(W) x 76cm(D)

8777 SOTER™ Condenser

SOTER™ Condenser capable of quietly separating alcohol(s) from CO_2 exhaust discharge of your SAMDRI® chamber. Standard 120V grounded power source required. Comes complete with 10' static free 1/4" ID exhaust line, insulated exhaust connect from SAMDRI®, and clear drain line tubing.



Optional SOTER™ Condenser Shown Connected to Autosamdri®-815, Series A

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OPTIONAL ACCESSORIES

Catalog #	Description
8777	SOTER™ CONDENSER
8760-01	Knurl Nut
8760-40	5 AMP Fuse
8770-10	Lamp, 120V/60Hz volt
8770-32	High Pressure Hose, 5 ft
8770-33	High Pressure Hose, 10 ft
8770-HPS	High Pressure Hose, Custom Length Up To 10m (33ft)
8770-45	Flow Meter - Use with any 1.25" dia. Samdri® Chamber (20 SCFH)
8770-50	Chamber Lid
8784	LCO_2 Filter Housing for 8784A Filter Element
8784A	Replacement LCO_2 Filter Element for 8784 Filter Housing
8784B	O-Ring for 8784 Filter Housing Seal
8784-05	Gasket for LCO_2 Tank Connect
8770-83	Internal 0.5µm Brass Particulate Line Filter
8770-51	O-Ring for 1.25" Diameter Autosamdri® Chamber
8770-53	Power Cable, three prong, 120V/60Hz
8770-54	LCO_2 Tank Scale, w/ Remote LCD Display (400lb capacity)
8770-55	LCO_2 Tank Heater
8770-56	Step-Down Transformer, 220V → 110V
8770-57	Step-Up Transformer, 100V → 120V, 50/60hz
8761	Grid Holder, holds 12 grids.
8762	12 Sample Holder, each compartment measures 7.5 (dia.) x 6mm (ht.)
8763	24 Sample Holder, each compartment measures 4.5 (dia.) x 6mm (ht.)
8764	4 Sample Holder, each compartment measures 9 (dia.) x 16mm (ht.)
8766	Cover Slip Holder, for 9mm to 13mm diameter Glass Cover Slips
8766-01	Washer for Glass Slip Holder (for use with #8766)
8766-02	Stainless Steel Screens for Cover Slip Holder (for use with #8766)
8767	Cover Slip Holder, for 16mm to 22mm diameter Glass Cover Slips
8767-01	Washer for Glass Slip Holder (for use with #8767)
8767-02	Stainless Steel Screens for Cover Slip Holder (for use with #8767)

Visit tousimis.com for more information.

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