

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

FEATURES

- Extra large chamber capable of drying very large or numerous smaller samples.
- Excellent choice for active facility enhancing process CPD capability.
- Chamber Inserts* reduces chamber ID to 3", 2" or 1.25" I.D. maximizing LCO₂ consumption efficiency and process time.
- Vernier handles on all metering valves allow for reproducible settings.
- Indicator control LEDs panel effectively indicate run status.
- Internal filtration* protect samples and valves down to 0.5µm.
- EZ top loading process chamber.
- Under-lit chamber with viewing port aids visualization of chamber status.
- Internal surfaces inert to LCO₂ and ultra-pure alcohols.
- Advanced solid state reliable electronics.
- Microprocessor* controller for repeatable operating parameters insuring reproducibility of results via Automatic process.
- Integrated temperature control.
- Fast adiabatic chamber cooling* with CO₂.
- Static pressure control module for automatic pressure stability.
- Tough, solvent resistant cabinet.
- SOTER™ Condenser* is included with system to capture waste alcohol and deaden PURGE exhaust noise.
- All electronic and other components meet UL, CE and/or U.S. Military Specifications.
- On Site Start-Up and User Training included! **



System Overview

SPECIFICATIONS

- Cabinet: 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 Required: 42"(W) x 30"(D) [107cm(W) x 76cm(D)]
- 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 deadens exhaust noise. *
- Flexible High-Pressure braided stainless steel inert Teflon® lined LCO₂ Supply Hose, 10ft (approximate 3.0m) long.
- External LCO₂ filtration removes water/oil and particulates down to 0.5µm. Filter is conveniently pre-installed onto the 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.
- Free lifetime technical support.
- 2 year warranty on all parts and labor.



Autosamdri®-815B, Series A
4.5" Process Chamber Loading
14 touismis® Sample Holders

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

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

Autosamdri®-815B, Series A

(THE FULLY AUTOMATIC CRITICAL POINT DRYER)

Catalog # **8780B**

OPTIONAL ACCESSORIES

Catalog #	Description
8760-02	Knurl Nut for Autosamdri®-815B
8760-40	5 AMP Fuse
8770-10	Lamp, 120/60Hz 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)
8770-46	Flow Meter - Use with Autosamdri®-815B (60 SCFH)
8770-60	Chamber Lid for Autosamdri®-815B
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
8770-51T/815B	O-Ring for Autosamdri®-815B 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.

* Most Samdri® Autosamdri® features U.S. patented (# 6,493,964) or patent pending.
Note: Actual delivered model or accessories may vary slightly, as advancements are being constantly applied.