

# LECOMAT<sup>®</sup>

## Pressure Vessel



Professional material engineers know that the difference between a good specimen and a great specimen largely depends on how the material is mounted. The LECOMAT Pressure Vessel provides the ideal curing environment for LECOSET<sup>®</sup> cold-curing acrylic resins. The LECOMAT is a space-saving, compact unit. The lower housing is made of durable polycarbonate, while the pressure vessel is stainless steel.

The LECOMAT maintains a constant operating pressure of 2.0 bars (29 psi). An analog dial shows the pressure during the curing period and a digital timer is included. A safety valve opens if the pressure exceeds the range of 2.8 to 3.3 bars (40.6 to 47.9 psi).



Easy to use controls

### Specifications

Capacity	Holds up to ten 1.5 inch mounts
Air Requirements	Compressed Air, approx. 80 psi incoming, regulated internally to 2 bars (29 psi)
Height	11.5 inch (292 mm)
Width	13.5 inch (343 mm)
Depth	13.5 inch (343 mm)
Weight	10 lb (4.5 kg)

### Part Number

813-006	LECOMAT Pressure Vessel
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## ACRYLICS

LECOSET 7008 and 100 are LECO's rapid cold-curing acrylics designed for any lab needing fast, dependable, and reproducible results. The liquid (resin monomer) and solid (resin polymer) components are formulated to mix easily for large or small batch sizes. LECOSET is an excellent mounting material for irregularly shaped or fragile sample types when the pressure or heat of a thermosetting plastic would be detrimental. Cured in air for 10 to 12 minutes, LECOSET forms an opaque finish that is conducive to grinding and polishing. Cure the materials in a LECOMAT Pressure Vessel for a transparent mount. Regardless of how LECOSET is cured, it maintains good edge retention and will resist most etching solutions. The liquid and powder components are sold in a variety of quantities, including our extra-large size kits.

For more abrasion resistance and superior edge retention, use LECOSET 7008. LECOSET 7008 is a two-part cold polymerization, made of powder and liquid. It cures in 10 to 12 minutes and forms an opaque mount that resists most cleaning fluids and etching reagents (clear if under pressure).

### LECOSET Cold Curing Consumables

LECOSET 100 Acrylic Kit, Small	812-129-HAZ
LECOSET 100 Acrylic Kit, Medium	812-130-HAZ
LECOSET 100 Acrylic Kit, Extra Large	812-132-HAZ
LECOSET 7008 Acrylic Kit, Medium	813-115-HAZ
LECOSET 7008 Acrylic Kit, Large	813-116-HAZ



**For a complete listing of LECO's high-quality metallographic consumables, call 1-800-292-6141 and request our Metallographic Consumables Catalog (form no. 203-826), or go to [www.leco.com](http://www.leco.com) to download the latest catalog.**

*Specifications and part numbers may change.  
Consult LECO for latest information.*

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Delivering the Right Results