

M9106 Automated Saturator

The Grace Instrument M9106 Automated Saturator is a computer controlled saturator used for performing a sequence of vacuum and saturation cycles on both plug and full diameter core samples (option) in an automated mode.

This apparatus uses a vacuum to remove trapped air and a high pressure liquid pump to make sure the core samples are completely saturated.

Designed for Simple Operation and Minimal Maintenance

The Windows®-based program permits the operator to open or close the valves, start and stop the high pressure pump and vacuum pump, and run automatic saturation cycles. Operator involvement is minimal and the robust machine requires a minimal amount of maintenance.



Operational Features:

- *Can perform core flood experiment with saturated rock sample.*
- *Choice of Saturator: Injects water, brine, refined oil, and other fluids* into sample.*
- *Automatic pressure and valve control system.*
- *Saturation cycle parameters can be customized during each step by operator.*
- *Wetted materials are constructed from SS-316 stainless steel.*
- *Control console incorporates PC.*

**Optional add-on to use crude oil is available. Contact Grace Instrument for details.*

Specifications:

Dimensions: 17.5" Height x 22.4" Width x 22" Depth

Weight: 25 lbs. (Just Frame) or 85 lbs. (Total Weight Including Cell)

Core Cell Inside Diameter: 2 to 6 inches

Core Cell Inside Length: 10 Inches or Specified

Pressure: 2,000 psi

Compatible Testing Fluids: Water, Brine, Refined Oil, and Other Fluids*

**Optional add-on to use crude oil is available. Contact Grace Instrument for details.*

Voltage: Either a 110-120V AC OR 220-240V AC configuration (not both).*

**Please check electrical labeling on your unit to verify which voltage configuration applies.*

Wattage: 250 W

Frequency: 50-60 Hz

Wetted Material: SS-316 Stainless Steel

**Other specifications can be done by customized request.*