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Core Lab

Auto Saturator, AST-300

Datasheet

**Special Core Analysis Laboratory (SCAL)/
Core Saturation**

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Auto Saturator, AST-300



AST-300 AUTO SATURATOR is a computer controlled single cylinder saturator for unattended saturation of samples up to 5 inches diameter. An onboard vacuum system allows for programmed vacuum, fill, and pressurization and de-pressurization modes. Short and long cycle vacuum cycles of 4 or 12 hours are available, dependent upon the samples average expected permeability with pneumatic metering valves allowing control of build up and bleed down rates. Samples can be pressured up to 2,000 psi (133 BAR) and maintained at this pressure independent of temperature fluctuations.

Available accessories include plastic sample containers and dead volume sets. Use of sample containers is recommended to help minimize grain loss and to insure complete saturation of samples by keeping them immersed in saturating fluid when removing them from the Auto Saturator. Dead volume sets reduce the amount of saturate required to fill the Auto Saturator when there are insufficient samples to completely fill the system.