

AFGB SUPERPAVE™ Gyrotory Compactor

Fast Take

- Portable, weighs only 350 lb
- Fits easily into a small truck or minivan
- Rugged design
- Reliable industrial electronics
- Performance Test Specimens
- Built in specimen extruder
- AASHTO T312, ASTM D6925, EN12697-31

Lightweight but Powerful

The AFGB is a completely self-contained SGC that weighs only 350 pounds. Just roll it into the bed of a pickup or into a minivan and take it anywhere. Ideal for onsite testing and mobile labs, this SGC can handle design an QC/QA work with equal ease.

Angle of Gyration Display

The AFGB Superpave Gyrotory Compactor measures the mold angle during compaction. This angle, along with the consolidation pressure, gyration number, and specimen height is displayed throughout the compaction process. The tubular frame design and patented method of inducing gyrotory motion ensures an accurate angle every time.

Designed for Ease of Use

An integrated industrial computer controls the compaction of the specimen from start to finish. Simply enter the compaction parameters, lower the prepared mold into the compaction chamber, secure the gyrotory head, and press Start. The system then applies the consolidation pressure, induces the angle, and gyrates the mold until the specified number of gyrations or specified height is reached. Extrude the specimen after compaction with the same hydraulic ram used to compact the specimen.

Performance Test Specimens

The 215mm of internal height available in the AFGB molds is enough for most performance testing specimens.

Data Management

During compaction, the specimen height is sent (once per gyration) to a printer or directly to a computer through the serial port. In addition, the compactor stores the data from last 10 tests, marking each with the date and time. These saved results can be sent to a printer or transferred to a computer as needed.



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Model AFGB1 Specifications:

Power Requirements:	AFGB1A: 115 VAC(±10%), 15Amp, 60 Hz, 1 ph AFGB1C: 230 VAC(±10%), 10 Amp, 50/60 Hz, 1 ph
Dimensions:	760 mm wide x 540 mm deep x 1410 mm high (~30.0 inch x ~21.3 inch x ~55.4 inch)
Weight:	Approx. 138 kg (304 lb)
Applied Pressure:	300 kPa - 1000 kPa
Angle of Gyration:	0.82° Internal; 1.16° Internal, or 1.25° External Specify at time of order.
Speed of Gyration:	30 ±0.5 gyrations per minute
Number of Gyration:	0-299
Mold Dimensions:	150.0mm +0.0/-0.1 mm ID x 280 mm tall (215mm internal height) 10.0 mm minimum specimen height Maximum Mold Temperature 200°C
Mode of Operation:	Compact to Number of Gyration Compact to Specified Height
Data Acquisition:	Gyration Number Specimen Height (mm)
Data Output Options:	rs232 Serial Communication Serial Printer Kit (optional)
Additional Features:	Built-in extruder function
Internal Data Storage:	Results from ten (10) tests are retained in memory
Software:	PINEPAVE™ software (requires <i>Microsoft™ Excel™ 2003 or later</i>)

* These specifications are subject to change without notice. 061509 *

The Pine Instrument Company AFG2 Superpave Gyrotory Compactor may be protect by one or more of the following U.S. Patents: #5,546,118; #5,606,133; #5,817,946; #5,824,913; #6,026,692; #6,622,569; #6,889,558.

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