



Asa Hutchinson
Governor

ARKANSAS DEPARTMENT OF AGRICULTURE

1 Natural Resources Drive, Little Rock, AR 72205
agriculture.arkansas.gov
(501) 225-1598



Wes Ward
Secretary of Agriculture

The Arkansas Bureau of Standards makes unannounced inspections/tests of fuel pumps/dispensers.

**“Arkansas Code Annotated 4-18-312. Powers and duties of the State Plant Board, (i)”, states -
The State Plant Board shall: Have the authority to inspect and test commercial weights and measures kept, offered, or exposed for sale.**

The following is a bullet-point checklist used by the Arkansas Bureau of Standards when inspecting/testing fuel pumps/dispensers.

- Observe surroundings / park in a safe place.
- Show credentials to person in charge.
- Purpose of inspection.
- Check meter security seals.
- Check for leaks and exposed wiring.
- Check filters on dispenser for correct filter size:

Gasoline, Gasoline-Alcohol Blends, Gasoline-Ether Blends, Ethanol Flex Fuel, and M85 Methanol Dispensers - 10 micron or smaller nominal pore-sized filter.

Biodiesel, Biodiesel Blends, Diesel, and Kerosene dispensers - 30 micron or smaller nominal pore-sized filter.

- Check face of dispenser for correct labeling and operation of all displays.
- For blend pumps, pump 5 gallons of lowest grade and 5 gallons highest grade at full-flow rate.

Then pump 5 gallons of midgrade at slow-flow rate.

- For non-blend pumps, pump 5 gallons at full-flow rate and 5 gallons at slow-flow rate for each grade.
- Test Nozzle Anti-Drain Device for proper operation.
- Check for water in product storage tanks using water-detecting paste on tank dipstick.

In Gasoline-Alcohol Blends, Biodiesel Blends, Ethanol Flex Fuel, Aviation Gasoline, and Aviation Turbine Fuel. – No water phase greater than 6 mm (¼ in).

In Gasoline, Diesel, Gasoline-Ether, and Other Fuels. – Water shall not exceed 25 mm (1 in) in depth.

- Check for water coming through nozzle.
- Check latest Bill of Lading/Invoice for each grade to see dispenser labeling agrees.

The items listed above are for quick reference only.

Refer to most current adopted version of the following NIST Handbooks for details:

NIST Handbook 44, Section 1.10. General Code, Section 3.30. Liquid-Measuring Device Code

NIST Handbook 130, Section G, Uniform Engine Fuels and Automotive Lubricants Regulation

NIST Handbook 112, EPO 21 (Retail Motor-Fuel Dispensers Single, Dual and Multi-Product)

NIST Handbook 112, EPO 22 (Retail Motor-Fuel Dispensers Blended Product).