

Reference Fuel Blending System for Octane/Cetane Rating Engine

automatic reference fuel blending unit

The Koehler Automatic Reference Fuel Blending Unit with 6 tanks, is used for the automated preparation of cetane and octane reference fuels and standardization fuels for Octane Test Engine and Cetane Test Engine according to ASTM D2699, ASTM D2700, ASTM D2885, and ASTM D613.

features and benefits

- Suitable for long-lasting, error-free octane/cetane rating operation.
- A high precision balance is used for gravimetric measurement to improve precision of octane/cetane results.
- The touch screen panel with easy to use software simplifies the blending operation process.
- Automatic calculation program controls the entire blending process to eliminate human error and improve efficiency of cetane/octane number tests.
- Fuel temperature and blending material level in tank are monitored in real time.

automatic blending by weight

The Koehler Reference Fuel Blender prepares the reference fuel blends by weight using a precision balance based on the ASTM test methods. With the automatic calculation and control program, a high precision balance delivers an accurate and reliable fuel blend value with the precision of 0.01g.

fuel blending software

The professional software controls all blending process and makes blending operation simple. The operator just needs to select the standard method, input the target octane/cetane number and sample volume, start blending. The fuel blend is delivered automatically. The blend data is automatically saved on the computer. A free blending function is offered for special fuel blending for special engines.

ordering information

catalog no.	description
K90900-B	Automatic Reference Fuel Blending Unit, 6-Place, 220V 50/60Hz
K90900-BN	Automatic Reference Fuel Blending Unit, 6-Place, with Nitrogen Pressure Auto-Filling, 220V 50/60Hz
K90901-B	Automatic Reference Fuel Blending Unit, 6-Place, 115V 60Hz
K90901-BN	Automatic Reference Fuel Blending Unit, 6-Place, with Nitrogen Pressure Auto-Filling, 115V 60Hz



K90900-B Automatic Reference Fuel Blending Unit

specifications

Conforms to the specifications of:

ASTM D2699, ASTM D2700, ASTM D2885, ASTM D613

Application: For Cetane and Octane Measurement

Measurement Mode: Gravimetric Measurement by

Precision Balance

Fuel Blending Mode: Automatic Fuel Blending Unit with Software

Operating Mode: Built-in Touch Screen Control Panel

Tank Quantity: 6 tanks

Accuracy: ± 0.01 ON/CN

Speed: 2 min / 500 mL

Monitoring System: Real-time Monitoring for Fuel Temperature and Liquid Level in Tank

Calibration Function: Precision Balance and Pumps

Blend Data: Auto-Saved Data including Date & Time, Serial

Number, Test Method, Blending Components, Blend Parameters

Power Supply: 220V, 50/60Hz, 2kW

Safety System: Electrical Protection Devices and Temperature Monitoring

Dimensions WxDxH, in. (cm)

33.5 x 25.6 x 66.15 (85 x 65 x 168)

Net Weight: 364 lb (165 kg) (with empty tanks)