

## ***K11415 Reid Vapor Pressure Bath, 21-Unit***

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### **Test Method**

Vapor pressure is a critical factor in the handling and performance of liquid petroleum and liquefied petroleum gas (LPG) products. The vapor pressure of automotive gasolines is subject to governmental regulation for pollution control purposes.

### **Features and Benefits**

- Conforms to ASTM D323, 1267 and related specifications
- Digital electronic temperature control
- Automatic water level control maintains proper immersion depth

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### **K11415 Reid Vapor Pressure Bath, 21-Unit**

Constant temperature water bath immerses twenty-one test cylinders for vapor pressure tests on liquid products and liquefied petroleum gas (LPG). Electronic level control automatically maintains the proper immersion depth per ASTM specifications. Heating system employs a 6kW stainless steel heat exchanger with a heavy duty circulating pump to provide rapid heat-up, even heat distribution and ease of servicing. Convenient digital setpoint and display permits rapid selection of any bath liquid temperature within the operating range. A built-in over-temperature limit control protects against accidental overheating. Bath interior and internal components are constructed of heavy gauge stainless steel. Control panel is shielded by a hinged acrylic cover. Includes sturdy angle-iron base with corrosion resistant polyurethane finish. Order pressure gauges and cylinders separately.

#### *Test apparatus for liquid products (ASTM D323) requires:*

Test Cylinders, one or two-opening type  
Pressure Gauges  
Constant Temperature Bath  
Bath Thermometer  
Transfer Connection  
Manometer  
Manometer Adapter

#### *Test apparatus for liquefied petroleum gases (ASTM D1267) requires:*

Test Cylinders, two-opening type  
Bleeder Valve Assemblies  
Pressure Gauges  
Constant Temperature Bath  
Bath Thermometer  
Flexible Tubing



170 Shields Court Unit 2  
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### Specifications

Conforms to the specifications of: ASTM D323, D1267; GPA 2140; IP 69, 161; ISO 3007, 4256; DIN 51616, 51754; FTM 791-1201

Testing Capacity: 21 vapor pressure test cylinders

Temperature Range: 212°F (100°C)

Temperature Control Stability: ±0.2°F (±0.1°C)

Heater Range: 0-6000W

Bath Medium: 58 gal (219.5L) water

### Electrical Requirements

220-240V 50Hz, Single Phase, 28A

220-240V 60Hz, Single Phase, 28A

### Dimensions lwxh,in.(cm)

Overall: 48x22x36 (122x56x91)

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## ◀ Ordering Information

Catalog Number	Product Description	Electrical Requirements
K11415	Reid Vapor Pressure Bath, 21-Unit	220-240V 50Hz
K11416	Reid Vapor Pressure Bath, 21-Unit	220-240V 60Hz

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## ◀ Accessories (available at additional cost)

Catalog Number	Product Description
250-000-18F	ASTM 18F Thermometer Range: 94 to 108°F
250-000-18C	ASTM 18C Thermometer Range: 34 to 42°C
250-000-65F	ASTM 65F Thermometer Range: 122 to 176°F
250-000-65C	ASTM 65C Thermometer Range: 50 to 80°C
K11810	Transfer Connection Consists of threaded brass cup, delivery tube, and sampling tube. Use for removing liquid from the sample container in accordance with ASTM specifications.
371-000-002	Mercury Manometer Graduated in cm (1mm div.) and inches (0.1" div.). For checking pressure gauge reading up to 15psi.
K112B-1-0-12	Manometer Adapter Attaches to pressure gauge for checking with mercury



	manometer.
<b>AS568-210</b>	O-Ring Seal For coupling between air and gas chambers on K11500 and K11201 vapor pressure bombs.
<b>AS568-113</b>	O-ring Seal For gauge and bleeder valve assembly connections on K11500 and K11201 vapor pressure bombs.
<b>K40100</b>	Flexible Tubing Sulfur-free plastic lined tubing with 1/4" stainless steel and aluminum connectors. For charging LPG test cylinder.

*When inquiring about NIST traceable certified thermometers, please refer to the catalog number for the corresponding thermometer and replace the middle three zeros in the catalog number with 004. Example: 251-000-01C ASTM 1C Thermometer would be 251-004-01C ASTM 1C Certified Thermometer.*



**Labequip**

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