



H-1741H

H-1741V

**Digital Vacuum Pressure Regulators,  
 (Solid-State, Use no Mercury)**

**Horizontal— H-1741H**

**Horizontal, 220V 50/60 Hz— H-1741H.4F**

**Vertical— H-1741V**

**Vertical, 220V 50/60 Hz— H-1741V.4F**

(Cannon DVR-1000 Series)

For precise measurement and control of vacuum at 300mm Hg below atmospheric pressure. Use with Cannon-Manning, Asphalt Institute, or Modified Koppers vacuum viscometers for measurement of asphalt cement and in other laboratory applications where accurate measurement and control of vacuum is required.

In normal mode, the amount of vacuum in mm Hg is displayed on the LCD screen. Or, user may select from nine other units of measurement via a membrane touchpad. Internal set points are preset to regulate vacuum at 300 +/-0.5mm Hg below atmospheric pressure. Set points may be altered to fit user's specific needs within the operating range of 1 to 410mm Hg below atmospheric pressure.

Reading accuracy: ±0.05% of reading ± the least significant digit (includes combined effects of linearity, repeatability, hysteresis, and temperature). NIST certification is supplied. Vacuum regulation accuracy: ±0.5mm HG. Operating temperature: 0 to 40°C (32 to 104°F). Upper/lower safety limit: 746mm HG below atmospheric pressure. Choice of horizontal: 18.5" w x 18" d x 6.75" h (470 x 457 x 171mm) or vertical: 6.75" w x 18" d x 18.5" h (171 x 457 x 470mm).

**NOTE: Prices and delivery on Cannon-Manning, Cannon-Fenske, Lantz-Zeitfuchs, Modified Koppers and other viscometers are available upon request.**



H-1746.7



H-1747.1

**Zeitfuchs® Cross-Arm Viscometer and Holder**

These models are used to determine kinematic viscosity of liquid asphalts, road oils and distillation residues of liquid asphalts at 140°F (60°C) and of asphalt cements at 275°F (135°C), requiring a charge of only 1 to 3ml can easily be filled and cleaned while immersed in a temperature bath and need not be removed. Requires a liquid depth of 9" (229mm). Includes round metal holder for 2" (51mm) dia. hole and certificate of calibration. Meets ASTM D2170; AASHTO T201.

**Seitfuchs® Cross-Arm Viscometer and Holder**

Approximate Constant Cs/Sec.	Range of Centistokes	Model
0.003	0.6 to 3	H-1746.1
0.01	2 to 10	H-1746.2
0.03	6 to 30	H-1746.3
0.1	20 to 100	H-1746.4
0.3	60 to 300	H-1746.5
1.0	200 to 1,000	H-1746.6
3.0	600 to 3,000	H-1746.7
10	2,000 to 10,000	H-1746.8
30	6,000 to 30,000	H-1746.9
100	20,000 to 100,000	H-1746.10

**Asphalt Institute Vacuum Viscometer**

Designed for highly viscous materials, such as asphalt cement, viscometer contains a graduated capillary instead of timing bulbs. Requires 7" (178mm) bath depth and 3ml sample size. Includes

**Asphalt Institute Vacuum Viscometer**

Viscometer Size/No.	Viscosity Range (Poise)	Model
25	42 to 800	H-1747.1
50	180 to 3,200	H-1747.2
100	600 to 12,800	H-1747.3
200	2,400 to 52,000	H-1747.4
400R	9,600 to 140,000	H-1747.5
800R	38,000 to 5,800,000	H-1747.6