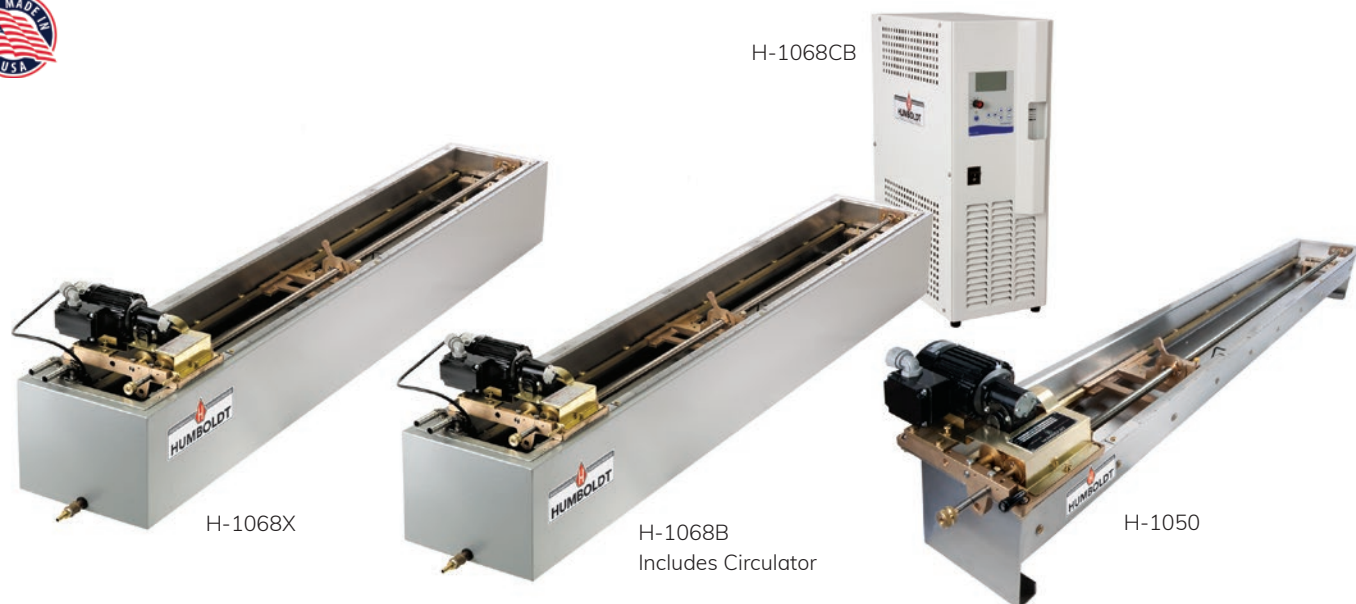




Humboldt Ductilometer

ASTM D113, D5892, D6084, AASHTO T51

Humboldt Ductilometers determine ductility of formed asphalt/cement or semi-solid bitumen by measuring the distance of elongation before reaching the breaking point of a briquette sample, which is pulled apart at a specific speed and temperature. The H-1068X is a three-speed machine designed for standard and force ductility tests. The unit tests three briquettes simultaneously and its DC, direct-drive motor maintains constant speed, entirely vibration-free. Speeds of 1/4, 1 or 5cm per minute are selected via lever shift on mechanical gear box.

A single stainless steel lead screw mounted above water level prevents agitation of water and premature rupture of specimens. A traveling pointer adjusts to zero starting position and indicates exact position of carriage on a linear centimeter scale attached to trough's front edge. Maximum carriage travel (elongation) is 150cm with an automatic stop.

The Unit has a stainless steel interior with an overflow connection, and a baked enamel stainless steel-wrapped exterior. Gears are bronze or brass; all other parts are solid brass to prevent rusting. Finned stainless steel tubes beneath a false bottom provide efficient thermal transfer. Includes a 6' (183cm) cord, feed-through switch and 3-prong plug. Includes 3 standard H-1080 briquette molds with H-1090 plates. Trough overall dimensions: 11.75" x 74" x 6.375"H (30 x 188 x 16cm). H-1068PC Acrylic Cover is recommended to maintain constant tank temperatures.

Humboldt Ductilometer

Humboldt Ductilometer, 120V 60Hz H-1068X
Humboldt Ductilometer, 220V 60Hz H-1068X.2F
Humboldt Ductilometer, 220V 50Hz H-1068X.5F

Shipping wt. 240 lbs (108.8kg)

Ductilometer, Temperature-Controlled

ASTM D113, D5892, D6084, AASHTO T51

The H-1068 Ductilometer builds on the H-1068X machine and adds a circulating temperature-control unit. Solid-state thermostatically controlled bath and circulator maintain water temperature within a $\pm 0.18^\circ\text{F}$ ($\pm 0.1^\circ\text{C}$). The H-1068B is a three-speed machine designed for Standard and Force Ductility tests. The unit tests three briquettes simultaneously and its DC, direct-drive motor maintains constant speed, entirely vibration-free. Speeds of 1/4, 1 or 5cm per minute are selected via lever shift on mechanical gear box.

A single stainless steel lead screw mounted above water level prevents agitation of water and premature rupture of specimens. A traveling pointer adjusts to zero starting position and indicates exact position of carriage on a linear centimeter scale attached to trough's front edge. Maximum carriage travel (elongation) is 150cm with an automatic stop.

The Unit has a stainless steel interior with an overflow connection, and a baked-enamel, stainless steel-wrapped exterior. Gears are bronze or brass; all other parts are solid brass to prevent rusting. Finned stainless steel tubes beneath a false bottom provide efficient thermal transfer. Includes a 6' (183cm) cord, feed-through switch and 3-prong plug. Includes 3 standard H-1080 briquette molds with H-1090 plates. Trough overall dimensions: 11.75" x 74" x 6.375"H (30 x 188 x 16cm). H-1068PC Acrylic Cover is recommended to maintain constant tank temperatures.

Ductilometer, Temperature Controlled

Ductilometer, 120V 60Hz H-1068B
Ductilometer, 220V 60Hz H-1068B.2F
Ductilometer, 220V 50Hz H-1068B.5F

Shipping wt. 410 lbs (185.9kg)

Ductility Machine, Basic

ASTM D113, D5892, D6084, AASHTO T51; EN 13398

The H-1050 is a three-speed machine designed for standard and force ductility tests. It includes a quality mechanical gear box. Speeds of 1/4, 1 or 5cm per minute are selected via lever shift on mechanical gear box. The unit is a bare-bones, economical ductility machine, which does NOT include a wrapped exterior or thermal-finned, stainless steel tubes for enhanced thermal transfer.

Ductility Machine, Basic, 120V 60Hz H-1050

Ductility Machine, Basic, 220V 60Hz H-1050.2F

Ductility Machine, Basic, 220V 50Hz H-1050.5F

Shipping wt. 200 lbs (90.7kg)