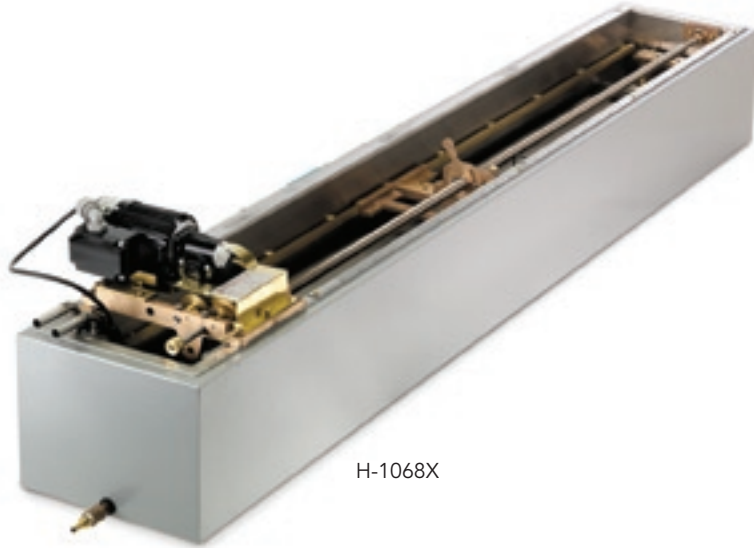




Ductility Testing Machines

These machines determine ductility of formed asphalt/cement or semi-solid bitumen by measuring the distance of elongation before reaching the breaking point of a briquet sample, which is pulled apart at a specific speed and temperature.

Meet ASTM D113, D5892, D6084, AASHTO T51



H-1068X



H-1068

Humboldt Ductility Machine— H-1068X Humboldt Ductility Machine, 220V 50Hz— H-1068X.5F

The H-1068X is a three-speed machine designed for Standard and Force Ductility tests. The unit tests three briquets 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 brass 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 briquet molds with H-1090 plates. Trough overall dimension: 11-3/4 x 74 x 6-3/8" H.

H-1068PC Plastic Cover is recommended to maintain constant tank temperatures. Shipping wt. 350 lbs. (159 kg)

Temperature Controlled Ductility Machine— H-1068 Temp Control Ductility Machine, 220V 50Hz— H-1068.5F

The H-1068 Ductility machine takes our H-1068X machine and adds a circulating temperature control unit. Solid-state thermostatically controlled bath and circulator maintain water temperature within a $\pm 0.18^\circ\text{F}$ ($\pm 0.1^\circ\text{C}$). All features identical to the H-1068X. Includes three H-1080 molds. H-1068PC Plastic Cover is recommended to maintain constant tank temperatures. Shipping wt. 430 lbs. (195 kg)

Circulating Temperature Controller— H-1068C Circulating Temp. Controller, 220V 50Hz— H-1068C.5F

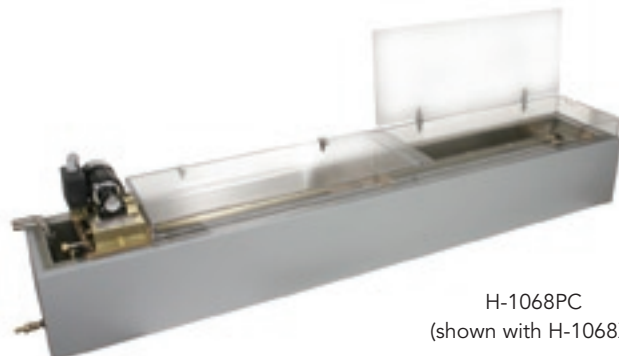
The H-1068C Circulating Temperature Controller is designed for use with the H-1068X Ductility Machine. It provides a solid-state, thermostatically controlled bath and circulator to maintain water temperature within a $\pm 0.9^\circ\text{F}$ ($\pm 0.5^\circ\text{C}$).

Clear Cover for Ductility Machine— H-1068PC

Temperature control cover made from clear Plexiglas. Can be used with all ductility machines. Shipping wt. 40 lbs (18kg), (cannot ship via UPS)



H-1068C



H-1068PC
(shown with H-1068X)