



MODEL TO-391 AUTO BLAINE APPARATUS



EQUIPMENT DESCRIPTION:

Tinius Olsen's Automatic Blaine Apparatus is an automated version of Blaine apparatus and follows the international standards. It is used to determine the fineness of cement using the Blaine air-permeability apparatus, in terms of the specific surface expressed as total surface area in square centimeters per gram, or square meters per kilogram, of cement.

RELEVANT STANDARDS:

ASTM C204, AASHTO T153, BS 4359, 4550, UNI 7374, EN196, NF P15 442, UNE 80.106.

FEATURES

- Single touch operation
- Automatic control of fluid movement.
- Automatic sensing to ensure error-free, repeatable, measurements.
- Automatic measurement of temperature during the test
- Automatic formula correction for the calculation of the Blaine value with variation in temperature (as per ASTM and EN)
- Facility to configure and monitor various cement types.
- Timing accuracy upto 200mSec.
- Up to 10,000 data points can be stored.)
- Easy and tamper proof calibration using a lockable ball valve



SUPPLIED AS STANDARD WITH:

- TO-391-301 One Air Permeability Apparatus (Blaine Type) consisting of one Manometer Tube mounted on a stand with sensor
- TO-391-302-01 Data Acquisition System with vacuum pump fitted in a box at 110VAC, 60Hz, 1 ph.
- TO-391-302-02 Data Acquisition System with vacuum pump fitted in a box at 220VAC, 60Hz, 1 ph.
- TO-391-302-03 Data Acquisition System with vacuum pump fitted in a box at 220VAC, 50Hz, 1 ph.
- TO-39001 Permeability cell with Plunger
- TO-39003 Perforated Metal Disc
- TO-39006 Rubber Tube
- TO-39007 Filter Paper Discs (set of twelve)
- TO-39008 Dibutylphthalate Liquid
- TO-39009 Punch
- TO-39010 Non Perforated Metal Disc
- TO-39011 Syringe Fitted with Nylon Tube
- TO-320-5529 RS 232 cable



OPTIONAL ACCESSORIES:

- TO-39001 Permeability cell with Plunger
- TO-39003 Perforated Metal Disc
- TO-39006 Rubber Tube
- TO-39007 Filter Paper Discs (set of twelve)
- TO-39008 Dibutylphthalate Liquid
- TO-39009 Punch
- TO-39010 Non Perforated Metal Disc



ORDERING INFORMATION:

For BS/EN Standards:

- TO 391-3-EN-01 Automatic Blaine apparatus with standalone data acquisition at 110VAC, 60Hz, 1 ph.
- TO 391-3-EN-02 Automatic Blaine apparatus with standalone data acquisition at 220VAC, 60Hz, 1 ph.
- TO 391-3-EN-03 Automatic Blaine apparatus with standalone data acquisition at 220VAC, 50Hz, 1 ph.

For ASTM Standards:

- TO 391-3-ASTM-01 Automatic Blaine apparatus with standalone data acquisition at 110VAC, 60Hz, 1 ph.
- TO 391-3-ASTM-02 Automatic Blaine apparatus with standalone data acquisition at 220VAC, 60Hz, 1 ph.
- TO 391-3-ASTM-03 Automatic Blaine apparatus with standalone data acquisition at 220VAC, 50Hz, 1 ph.

PACKAGING INFORMATION:

Net Weight	20 Kg
Gross Weight	50 Kg
Packaging Dimensions	76x53x84 cm