

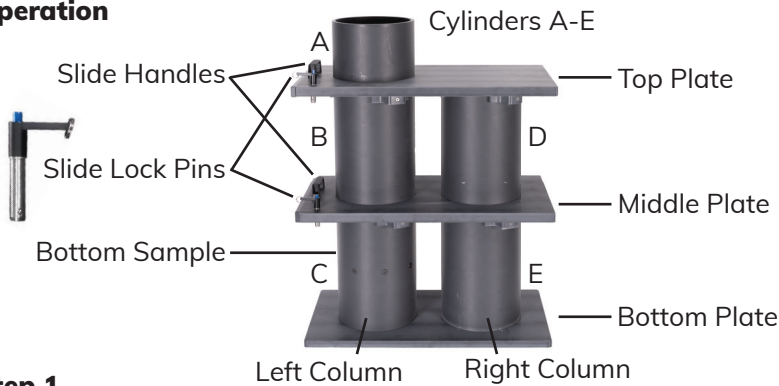


Segregation Column

Introduction

The Segregation Column is designed to assess the potential for static segregation in self-consolidating concrete (SCC) by measuring the distribution of coarse aggregate in the top and bottom portions of a cylindrical concrete specimen. This test is an effective quality control tool, particularly useful in evaluating segregation in deep-section applications such as columns and walls. The three-section column simplifies the testing process, allowing for efficient single-person operation without material loss. The HC-3669 is made from robust schedule 40 PVC for enhanced durability. It is the only segregation column on the market designed with handles, allowing for easy plate movement. The unit also features upper & lower locking push pins to hold the plates in place during the filling process securely.

Operation

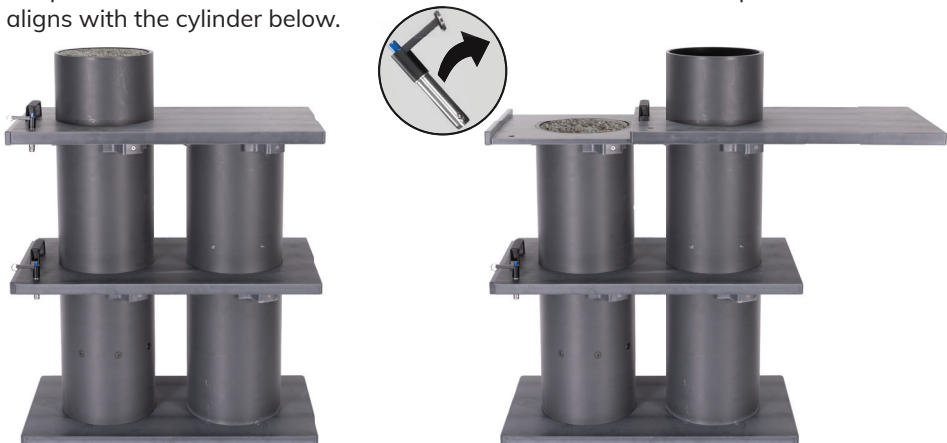


Step 1

Fully assemble the unit on a flat surface free of vibration. Be sure that Cylinders A, B & C are aligned and Cylinders D & E are aligned. Dampen the interior and remove any excess water from the bottom.

Step 2

Pour SCC into the top cylinder until Left Column is full. Using a strike-off bar, strike off the top until even across. Remove the Slide Lock Pin and slide the Top Plate over until it aligns with the cylinder below.



Step 3

Remove the Top Plate and collect the sample from the right column. Remove the Slide Lock Pin and slide the Middle Plate over until it aligns with the cylinder below.



Step 4

Remove the Middle Plate and collect the sample from the left column. Discard the remainder from the right column.



Maintenance

After Testing is completed it is important to clean the Segregation Column. Failure to clean apparatus could result in inconsistent testing in the future or damage to the unit.

Warranty

Humboldt Mfg. Co. warrants its products to be free from defects in material or workmanship. The exclusive remedy for this warranty is Humboldt Mfg. Co., factory replacement of any part or parts of such product, for the warranty of this product please refer to Humboldt Mfg. Co. catalog on Terms and Conditions of Sale. The purchaser is responsible for the transportation charges. Humboldt Mfg. Co. shall not be responsible under this warranty if the goods have been improperly maintained, installed, operated or the goods have been altered or modified so as to adversely affect the operation, use performance or durability or so as to change their intended use. The Humboldt Mfg. Co. liability under the warranty contained in this clause is limited to the repair or replacement of defective goods and making good, defective workmanship.

Humboldt Mfg. Co.
875 Tollgate Road
Elgin, Illinois 60123 U.S.A.

U.S.A. Toll Free: 1.800.544.7220
Voice: 1.708.468.6300
Fax: 1.708.456.0137
Email: hmc@humboldtmfg.com

Testing Equipment for



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www.humboldtmfg.com