Efflux Index Apparatus

LT-A0049 | Flow coefficient test assembly for fine aggregates

Cylindrical chamber • Controlled discharge • Mechanical operation



150 × 180 × 410 mm

OVERALL APPARATUS DIMENSIONS

5 kg

APPROXIMATE APPARATUS WEIGHT

EN 933-6 • Assessment of fine aggregate flow behaviour

LT-A0049

Photograph and Apparatus Components

Feed chamber, funnel, flow control and supporting base

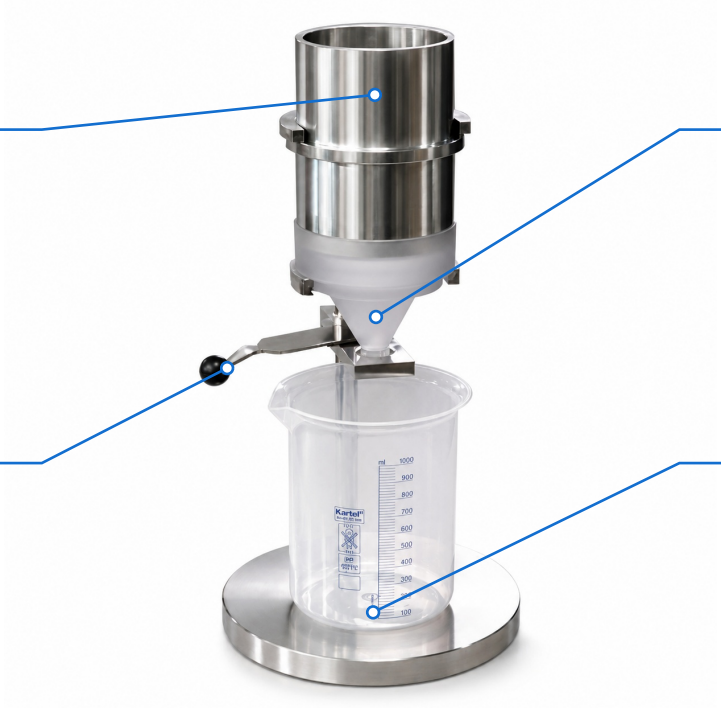
LT-A0049 provides a mechanical assembly for discharging prepared fine aggregate through a defined opening. Flow time assists assessment of particle shape and surface characteristics.

FEED CHAMBER

The upper cylindrical chamber receives the prepared fine aggregate specimen.

FLOW CONTROL LEVER

Controls the outlet cover. Start timing in conjunction with discharge.



FUNNEL AND OUTLET

Direct the specimen towards the defined aperture. Check clean and uninterrupted flow.

STAND AND COLLECTION

The metal base supports the assembly; the vessel below the outlet receives discharged material.



Cylindrical feed chamber and upper connection



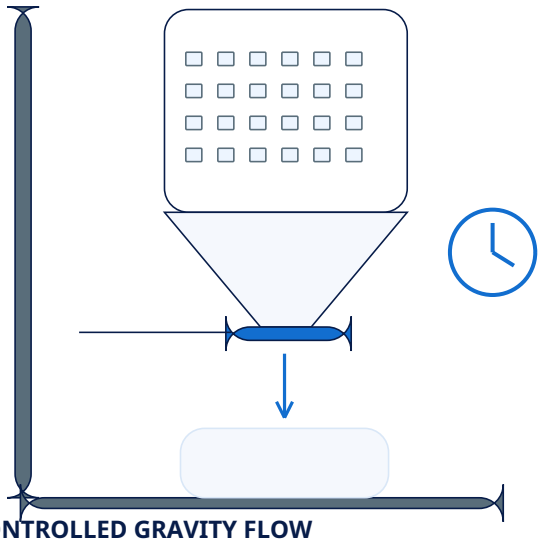
Funnel, outlet aperture and flow control mechanism

LT-A0049

Controlled Discharge and Flow Time

Prepare • Fill chamber • Start flow • Record time

FINE AGGREGATE + DEFINED OUTLET APERTURE



CONTROLLED GRAVITY FLOW

CHAMBER • FUNNEL • COVER • TIMING

SPECIMEN: FINE AGGREGATE PREPARED BY THE METHOD

Flow time: seconds (s)

REPRESENTATIVE SECTION AND TIMING • NOT TO SCALE

Prepare the Specimen

Prepare the size fraction and specimen condition by the method. Record sample identification.

Start the Flow

Fill the chamber; open the cover and start timing as specified by the test procedure.

Assess the Time

Record discharge time. Apply repeat runs and reference checks according to the method.

Fine aggregate flows from the chamber towards the funnel outlet. The time for the specified specimen quantity to pass through the defined opening forms the basis of flow assessment. Particle shape, surface texture and specimen condition may affect the result; compare under consistent conditions.

Specimen Condition and Method

EN 933-6 covers determination of aggregate flow coefficient. The fine aggregate method applies to particles up to 2 mm; this apparatus is intended for fine aggregate testing.

Set specimen preparation, test quantity, repeat runs and reference material checks according to the applicable method. Keep grading and moisture conditions comparable.

Aperture Checks and Cleaning

Before each series, check the funnel outlet and cover movement. Retained particles or adhering fines can alter the flow.

Place the assembly on a stable surface. Use a consistent discharge and timing procedure. After testing, clean the chamber, funnel and receiving vessel; remove residues without wearing the aperture.

LT-A0049

Technical Specifications and Test Workflow

LT-A0049 • Fine aggregate, controlled discharge and time-based assessment

Technical Specification	Value / Description
Product Code	LT-A0049
Product Name	Efflux Index / Flow Coefficient Apparatus
Test Method	EN 933-6
Specimen Type	Fine aggregate
Fine Aggregate Method Scope	Up to 2 mm
Measurement Basis	Discharge time through a defined aperture
Time Unit	Seconds (s)
Feed Section	Cylindrical chamber
Flow Assembly	Funnel and controlled outlet cover
Operation / Support	Mechanical / metal stand
Overall Dimensions	150 × 180 × 410 mm
Approximate Weight	5 kg

Compare Flow Behaviour under Consistent Conditions

No electrical supply is required. Apply specimen preparation, aperture checks and timing by EN 933-6; assess results together with grading and other relevant aggregate properties.

From Specimen to Flow Assessment

01
Prepare
Prepare the specimen by the method; record its ID.

02
Fill
Close the outlet and fill with the test specimen.

03
Measure Time
Open the cover and time discharge by the method.

04
Record
Complete repeat runs and record the test result.

Product Page | liyatest.com.tr/en/urun/efflux-index-apparatus-flow-coefficient/