Percolation Columns

LT-A0620 | Drainage and settlement behaviour of ore beds

Water applied from above • Drainage over time • Bed-height monitoring



12 × 12 × 60 cm

EXTERNAL DIMENSIONS

2 kg

APPROXIMATE WEIGHT

Evaluation of ore flow and settlement behaviour for gold leaching studies

Photographs and Components

Vertical column, upper opening, base and lower discharge valve

LT-A0620 Percolation Columns are used to monitor water draining through an ore bed and bed height after wetting. The arrangement supports comparison of flow and settlement behaviour between ore samples in gold leaching studies.

VERTICAL COLUMN

The column accommodates the prepared ore bed in a vertical arrangement.

UPPER OPENING

Provides access for ore loading and water application from above.



LOWER VALVE

The lower discharge point allows outlet water to be collected.

BASE ARRANGEMENT

The base in the photograph supports the vertical column.



Upper opening and vertical column body

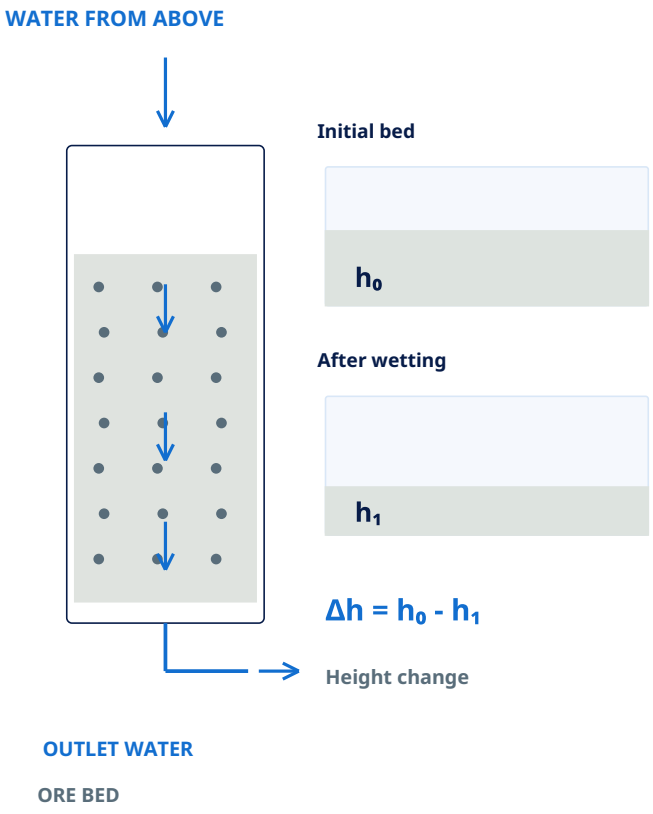


Lower discharge valve and base

LT-A0620

Percolation and Settlement Observation

Water application • Outlet volume / time • Initial and later bed levels



Percolation Behaviour

Water applied from above moves through voids in the ore bed toward the lower valve.

Drainage Record

Collect outlet water at selected intervals. Record the volume together with elapsed time.

Bed Settlement

Compare initial bed height with height after wetting and monitor the level difference.

Flow and settlement are complementary observations within the same test. Particle size, fines content, initial loading and water application conditions are assessed together when comparing samples.

Comparable Test Conditions

Record ore type, particle size, loading quantity and initial bed height. Follow the same test schedule for water quantity and measurement intervals. This supports consistent comparison of differences between ore samples.

Volume and Level Records

Assign a time label to each outlet-water measurement. Read bed height from the same reference point. Keep drainage quantity and height change under the same sample identifier to assess flow and settlement together.

LT-A0620

Technical Data and Test Workflow

LT-A0620 • External dimensions, weight and observation arrangement

Technical Specification	Value
Product Code	LT-A0620
Product Name	Percolation Columns
External Dimensions	12 × 12 × 60 cm
Approximate Weight	2 kg
Sample Arrangement	Vertical ore bed
Water Application	Through the upper opening
Drainage Point	Lower discharge valve
Flow Observation	Water discharged in a defined time
Settlement Observation	Change in ore-bed height

Assess Both Observations Together

Pair outlet volume with time and bed level with its initial height. Record test conditions to compare different ore samples.

Test Workflow

01
Prepare Bed
Load ore and record the initial level.

02
Apply Water
Add water from above following the test schedule.

03
Measure Outlet
Pair water volume from the valve with time.

04
Monitor Level
Record the change in ore-bed height.

Product Page | liyatest.com.tr/en/urun/percolation-columns/