Pressure Filter

LT-A9600 | Solid-liquid separation of mineral suspensions

Compressed-air filtration • Filter cake and filtrate collection • Mobile chassis



Ø250 ±5 mm

VESSEL OUTSIDE DIAMETER

304

STAINLESS STEEL VESSEL

400 ±5 mm vessel height • 6 ±0.2 mm wall thickness • 3 m air hose

Photographs and Components

Stainless vessel, pressure gauge, compression cover and cake removal handle

The LT-A9600 separates mineral suspensions into filter cake and filtrate using compressed air. Its stainless steel vessel, sealed cover and pressure monitoring arrangement support laboratory dewatering studies.



STAINLESS VESSEL

The 304 stainless steel cylinder holds the filtration sample.

PRESSURE GAUGE

The gauge above the cover allows vessel pressure to be monitored.

CAKE REMOVAL HANDLE

The handle assists access to solids retained on the filter.

COMPRESSION COVER

The compression mechanism and gasket support an airtight cover seal.



Pressure gauge, valves and cover

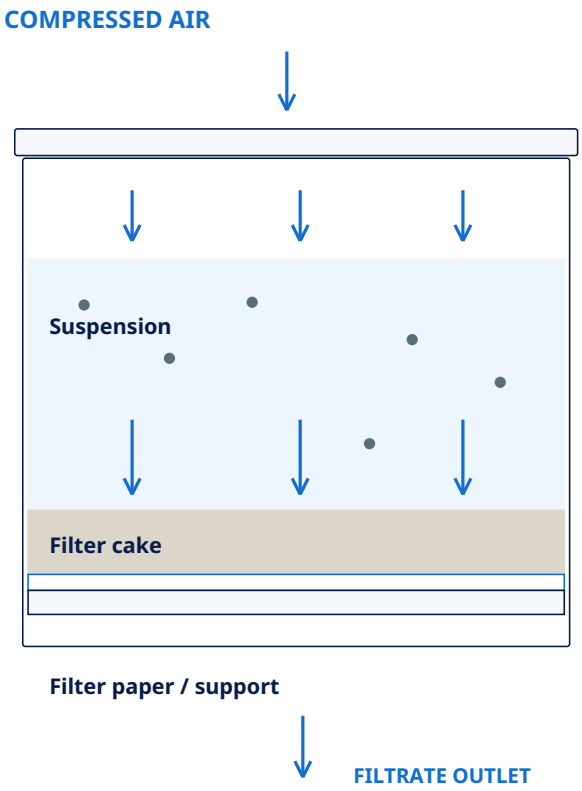


Cake removal handle, lower outlet and chassis

LT-A9600

Pressure-assisted Solid-Liquid Separation

Compressed air • Solids retained on the filter • Filtrate from the lower outlet



Compressed Air

Air from an external compressor pushes liquid toward the filter medium.

Filter Cake

Solid particles retained on the filter paper build up into a filter cake.

Filtrate

Liquid passing through the filter is collected via drainage grooves and the lower hose.

Rubber or silicone support and stainless steel mesh carry the filter medium. Drainage grooves in the lower section direct filtered liquid toward the outlet.

Sealed Cover and Air Connection

A rubber or O-ring gasket seals the cover against the vessel. A 3 m pressure-resistant hose and connection fitting connect the external compressor line.

Pressure Monitoring and Release

A gauge, safety valve and air-release valve support pressure control. After filtration, pressure is fully released and the gauge is checked at zero before the cover is opened.

Technical Data and Filtration Workflow

LT-A9600 • Vessel dimensions, filter support and air connection

Technical Specification	Value
Product Code	LT-A9600
Vessel Material	304 stainless steel
Vessel Outside Diameter	Ø250 ±5 mm
Cylindrical Vessel Height	400 ±5 mm
Vessel Wall Thickness	6 ±0.2 mm
Pressure Gauge Scale	At least 10 bar
Cover Gasket	Rubber or O-ring
Filter Support	Rubber / silicone and stainless mesh
Pressure Components	Gauge, safety valve and release valve
Compressor Connection Hose	3 m, pressure-resistant
Filtrate Collection	Lower outlet hose
Mobility Arrangement	Lockable wheels

Separate Filter Cake and Filtrate Collection

Filtrate is directed into a separate container through the lower hose. Filter cake is removed after the vessel has been fully depressurised.

Filtration Workflow

01
Prepare Filter
Position filter paper on the support.

02
Load Suspension
Fill the vessel, close and compress the cover.

03
Run Filtration
Monitor pressure and collect filtrate from below.

04
Release Pressure
Vent air, check zero pressure, then remove the cake.

Product Page | liyatest.com.tr/en/urun/basincli-filtre-kopya/