



Wherever in the world quality matters

Series 300 LPLT Filter Press (API Filter Press)

Description

The Series 300 LPLT Filter Press is the most effective means of determining filtration properties of drilling fluids and cement slurries. All LPLT Filter Press assemblies consist of these items:

- mud reservoir mounted in a frame
- pressure assembly and regulator
- filter paper
- 25 ml graduated cylinder



Application

Measuring filtration behavior and wall-cake building characteristics of a mud is essential to control The characteristics of filtrate, such as oil, water, or emulsion content are also important. The types and quantities of solids in the fluid and their physical and chemical interactions affect these characteristics. Temperature and pressure affect the physical and chemical interactions. Performing tests at both low pressure/low temperature and high pressure/high temperature is necessary, and these testing conditions require different equipment and techniques.

Specifications

The basic filter press has a cell assembly constructed of stainless steel and includes the required screens and gaskets.

Working pressure is 100 psig and the filtering area is 7.1 in², as specified in API Recommended Practice 13B-1 and 13B-2.



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Basic LPLT Filter Press Assembly

Part No. 207127 Basic Filter Press Assembly includes:

382950 — Base Cap w/ Tube,
Stainless Steel 382949 — Top Cap,
Stainless Steel 382948 — Cell Body,
Stainless Steel

208255 — Rubber Gasket (6)

208310 — Screen, 60 Mesh

208626 — Stop Mud Felt

208129 — Frame Assembly

205868 — Graduated Cylinder, Glass, 25 ml

206051 — Filter Paper

102216847 — Loctite® Thread Sealant 545, 0.5 ml

101983293 — Fann Ruler

Part No. 208129 Frame Assembly includes:

208126 — Bare Frame

209389 — Threaded Insert

207444 — Pin Roll, 3/32 x 3/8, Stainless Steel

208283 — Rod Support

208459 — Graduate Support

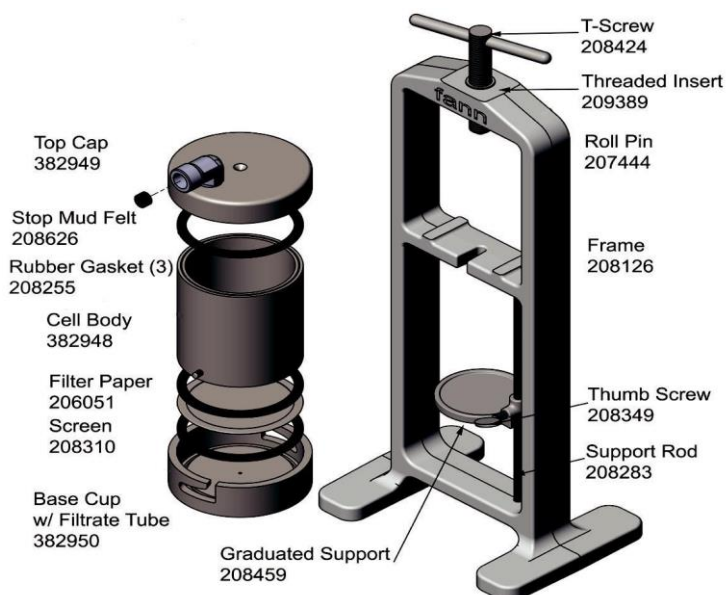
208349 — Thumb Screw, 1/4-20 x 3/4, Stainless Steel

208424 — T-Screw

Items Not Included

Part No. 208649 — Nitrogen Cylinder

Part No. 208608 — CO₂ Cartridges, 10/Box



207224 Filter Press w/ CO₂ Pressure Assembly

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LPLT Filter Press Assemblies

Part No. 207173 Filter Press w/ Air Hose includes:

207127 — Basic Filter Press

207929 — Air Hose, 3 ft

208653 — Bleeder Valve

Part No. 207174 Filter Press w/ Regulator includes:

207127 — Basic Filter Press

207929 — Air Hose, 3 ft

102177087 — Regulator Assembly

Part No. 207224 Filter Press w/ CO₂ Pressure Assembly includes:

207127 — Basic Filter Press

208647 — CO₂ Pressure Assembly

Part No. 207223 Filter Press w/ Nitrogen Regulator includes:

207127 — Basic Filter Press

207929 — Air Hose, 3 ft

208652 — Nitrogen Regulator

208653 — Bleeder Valve

Part No. 207290 Dead-Weight Hydraulic Filter Press includes:

207127 — Basic Filter Press

208594 — Dead-Weight Hydraulic Assembly

Part No. 207503 Wall Mount Filter Press w/ CO₂

Pressure Assembly includes:

205868 — Graduated Cylinder, 25 ml

206051 — Filter Paper, 100/Box

207391 — Wall Mount Filter Press2

08647 — CO₂ Pressure Assembly



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