

LPLT FILTER PRESS (API Filter Press)

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

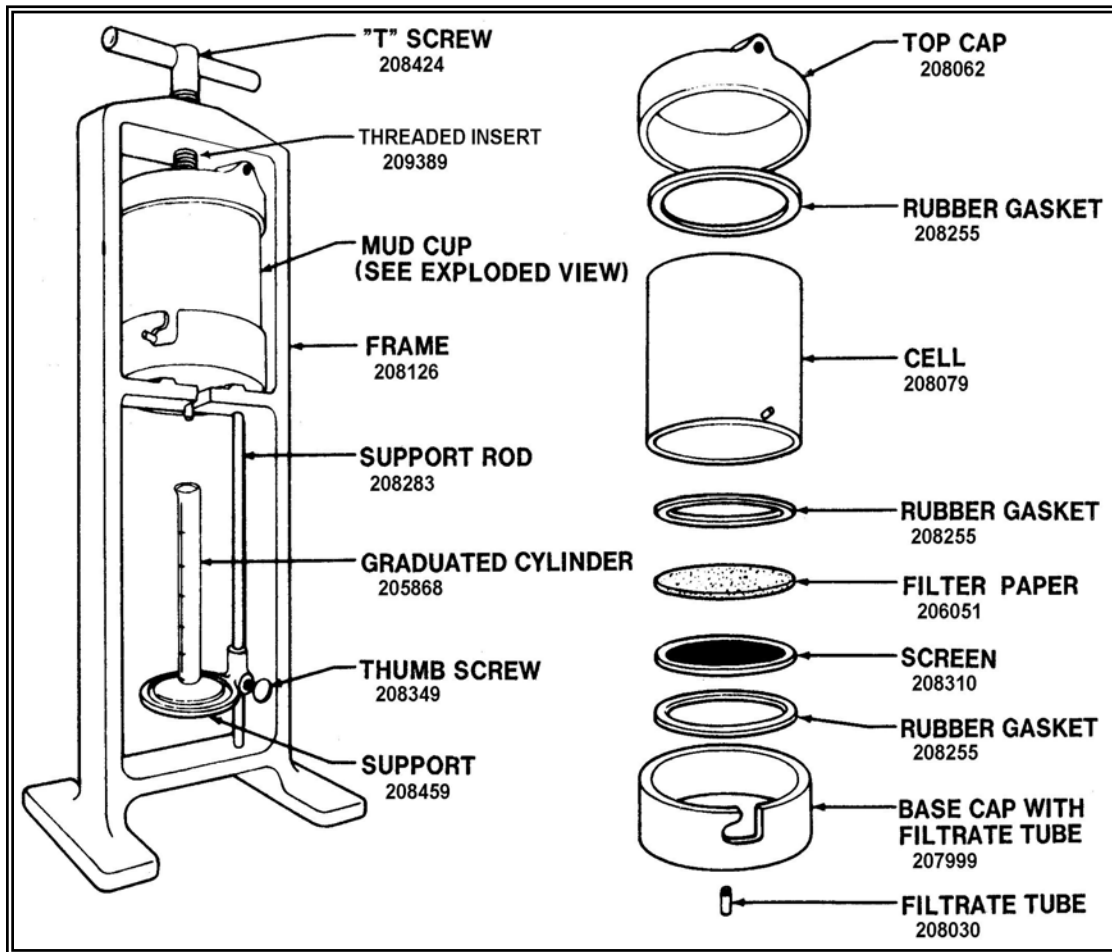


No. 30201 CO₂ Pressurized



No. 302 Nitrogen Pressurized

The **Series 300** LPLT Filter Press (sometimes called API Filter Press) is the most effective means of determining the filtration properties of drilling muds and cement slurries. All LPLT Filter Press Assemblies consist of a mud reservoir mounted in a frame, a pressure source, a filtering medium, and a graduated cylinder for receiving and measuring filtrate. Working pressure is 100 psig and the filtering area is 7.1-in², as specified in the **American Petroleum Institute, "API Recommended Practice 13B-1 and 13B-2"**.



No. 300 Filter Press Basic Unit (Graduated Cylinder shown is not included in Basic Unit)



The basic unit **No. 300** has a cell assembly constructed of rustproof anodized aluminum and chrome plated brass, and includes the required screen and gaskets.

The **No. 30002** basic unit is identical to the No. 300 with the exception of the Cell Assembly which is all stainless steel construction.

No. 300 Basic Unit

LPLT Filter Press Assemblies listed below use the No. 300 basic unit and include the items listed below each assembly.

No. 301 Filter Press includes:

- 207929 - Air Hose, 3 ft
- 205868 - Cylinder, Graduated, 25 ml
- 206051 - Filter Paper, Pkg. of 100

No. 30101 Filter Press includes:

- 207929 - Air Hose, 3 ft
- 208615 - Regulator
- 208653 - Bleeder Valve
- 205868 - Cylinder, Graduated, 25 ml
- 206051 - Filter Paper, Pkg. of 100

No. 302 Filter Press assembly includes:

- 207929 - Air Hose, 3 ft
- 208652 - Regulator
- 208653 - Bleeder Valve
- 208649 - Nitrogen Cylinder
- 205868 - Cylinder, Graduated, 25 ml
- 206051 - Filter Paper, Pkg. of 100

No. 30201 Filter Press includes:

- 208647 - CO₂ Pressuring Assembly
- 205868 - Cylinder, Graduated, 25 ml
- 206051 - Filter Paper, Pkg. of 100

No. 303 Filter Press with Hydraulic Dead-Weight Assembly

- 208594 - Dead-Weight Hydraulic Assembly
(Delivers a constant 100 psig hydraulic pressure)
- 205868 - Cylinder, Graduated, 25 ml
- 206051 - Filter Paper, Pkg. of 100

Model Number	Part Number	Regulator	Pressure Source	Frame Type
300*	207127	N/A	User Provided	Bench Top
30002 (SS Cell)*	207129	N/A	User Provided	Bench Top
301	207173	N/A	User Provided	Bench Top
30101	207174	No. 337	User Provided	Bench Top
302	207223	No. 34265	Nitrogen Size D Cylinder	Bench Top
30201	207224	No. 337	CO ₂ Cartridges, 10 per Box	Bench Top
30205	207228	Airco	CO ₂ Cartridges, 10 per Box	Wall Mount
303	207290	N/A	Hydraulic	Bench Top
30502	207356	No. 337	CO ₂ Cartridges, 10 per Box	Wall Mount in SS Case
308	207503	No. 337	CO ₂ Cartridges, 10 per Box	Wall Mount

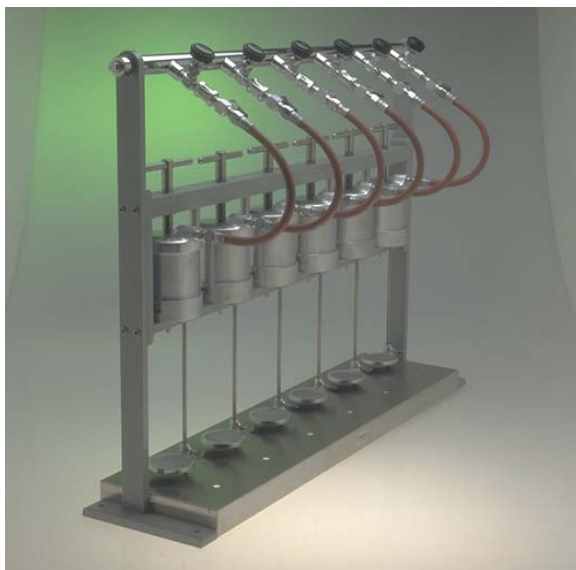
***Basic Filter Press Units consists of Bench Mount Frame and Cell Assembly and supplied with extra set of gaskets.**



No. 308 Filter Press

No. 308 Filter Press includes:
207391 - Filter Press, Wall Mount
208647 - CO₂ Pressure Assembly
205868 - Graduated Cylinder, 25 ml
206051 - Filter Paper, Pkg. of 100

No. 30502 Filter Press in stainless steel case
207391 - Filter Press, Wall Mount
208647 - CO₂ Pressure Assembly
209184 - Case, Stainless Steel
205868 - Cylinder, Graduated, 25 ml
205869 - Cylinder, Graduated, 10 ml
206035 - Timer, Interval, 30-minute
206051 - Filter Paper, Pkg. of 100, 2 Supplied



Multiple Unit Filter Press

Multiple Unit Filter Press assemblies permit simultaneous running of one to six filtration tests. Each one of the assemblies consists of a frame with the indicated number of complete filter cells. Manifolds are complete with air hoses, cut-offs and bleeder valves. Accessories such as pressure regulators and hoses for connection to pressurization source are sold separately.

Filter Press, 6 Cells **No. 311** Part No. 207673

Filter Press, 4 Cells **No. 313** Part No. 207785

Fann Instrument Company offers a complete line of instruments for use in testing drilling fluids in accordance with the following American Petroleum Institute publications:

**API Recommended Practice 13B-1, ANSI/API 13B-1/ISO 10414-1,
API Recommended Practice 13B-2, & API Specification 13A**

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