

## 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.*

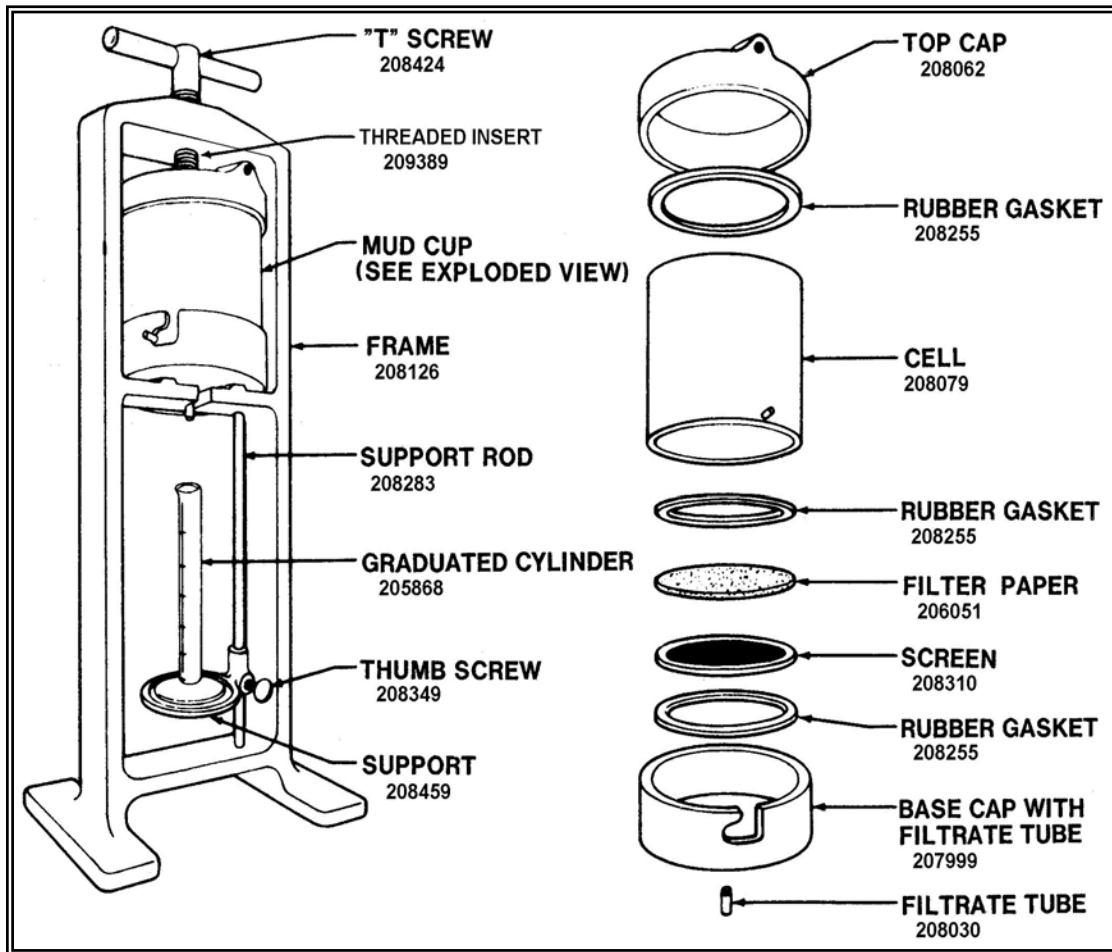


**No. 207224 CO<sub>2</sub> Pressurized**



**No. 207223 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-in<sup>2</sup>, as specified in the **American Petroleum Institute, "API Recommended Practice 13B-1 and 13B-2"**.



**No. 207127 - Filter Press Basic Unit** (Graduated Cylinder shown is not included in Basic Unit)



The basic unit **No. 207127** cell assembly constructed of rustproof anodized aluminum and chrome plated brass, and includes the required screen and gaskets.

The **No. 207129** basic unit is identical to the No. 207127 with the exception of the Cell Assembly which is all stainless steel construction.

**Part No. 207127 Basic Unit**

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

**Part No. 207173 Filter Press** includes:

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

**Part No. 207174 Filter Press** includes:

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

**Part No. 207223 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

**Part No. 207224 Filter Press** includes:

- 208647 - CO<sub>2</sub> Pressuring Assembly
- 205868 - Cylinder, Graduated, 25 ml
- 206051 - Filter Paper, Pkg. of 100

**Part No. 207290 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

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



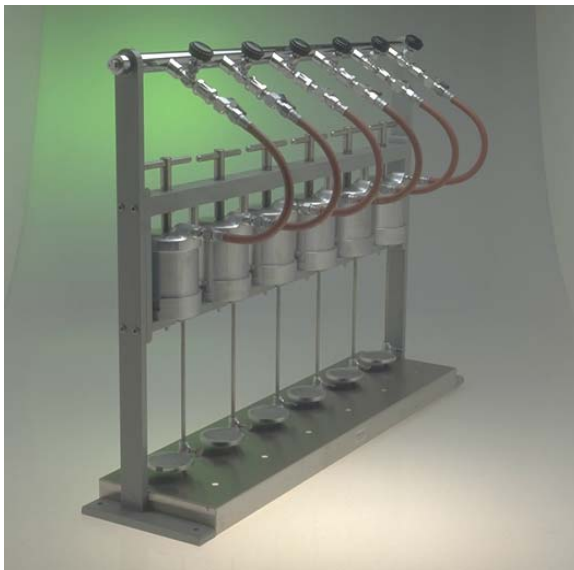
**No. 207503 Filter Press**

**Part No. 207503 Filter Press** includes:

- 207391 - Filter Press, Wall Mount
- 208647 - CO<sub>2</sub> Pressure Assembly
- 205868 - Graduated Cylinder, 25 ml
- 206051 - Filter Paper, Pkg. of 100

**Part No. 207356 Filter Press in St Steel Case**

- 207391 - Filter Press, Wall Mount
- 208647 - CO<sub>2</sub> 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.

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

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

***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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