



DRILLING FLUIDS EQUIPMENT

For over 30 years OFI Testing Equipment (OFITE) has provided instruments and reagents for testing drilling fluids, well cements, completion fluids, and wastewater. In addition to these product lines we also offer a range of instruments for core analysis. From our manufacturing facility in Houston, TX we provide customers all over the world with quality products and exceptional service.

Our drilling fluids product line includes innovative designs such as the Model 900 Viscometer, which showcases our ability to develop new technology to meet customer and industry demands. We also offer Retorts, Aging Cells, Roller Ovens, Mud Balances, Filter Presses, and all other instruments required to evaluate drilling fluid properties according to API Recommended Practice 13B-1 and 13B-2.

As an independent manufacturer and supplier, OFITE has one priority, our customers.

OFI TESTING EQUIPMENT, INC.
11302 Steeplecrest Dr.
Houston, TX 77065
877.837.8683
www.ofite.com
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Filter Press, Low Pressure, Multi Unit

The Multi-Unit filter presses are perfect for lab environments when several tests must be run simultaneously. These units come complete with manifolds and all necessary air hoses and bleed-off valves. Suitable for laboratory use, OFITE Filter Presses have become the industry standard for low pressure/low temperature filtration testing.



Features

- Stainless steel test cell
- Suitable for lab use
- Conforms to API specifications

Technical Specifications and Requirements

- #140-40 4 Unit
- #140-50 6 Unit

Specifications

- Maximum Pressure: 250 PSI (1,735 kPa)
- Pressure Source: Any non-hazardous gas
- Filtration Area: $7.1 \pm 0.1 \text{ in}^2$ ($4,580 \pm 60 \text{ mm}^2$)
- Filter Paper Size: 3.5" (9 cm)

Intro

Measurements of filtration behavior and wall cake-building characteristics of a drilling fluid are fundamental to control and treatment of drilling fluids, as are various characteristics of the filtrate such as oil, water, or emulsion content. These factors are affected by the types and quantities of the solids in the fluid and their physical and chemical interactions, which in turn are affected by changing temperatures and pressures.

The OFITE low pressure filter press helps determine filtration and wall cake-building properties of drilling fluids. The filter press design features a cell body to hold the mud sample, a pressure inlet, and a base cap with screen and filter paper.

The pressure cell is designed so that a 3½" (9 cm) sheet of filter paper can be placed in the bottom of the chamber to remove particles from the fluid. The filtration area is $7.1 \pm 0.1 \text{ in}^2$ ($4,580 \pm 60 \text{ mm}^2$). Pressure may be applied with any non-hazardous fluid medium, either gas or liquid. Some models are equipped with pressure regulators and may be pressurized with portable pressure cylinders, midget pressure cartridges, or hydraulic pressure.

OFITE's Multi-Unit filter presses are perfect for lab environments when several tests must be run simultaneously. These units come complete with manifolds and all necessary air hoses and bleed-off valves.

Suitable for field and laboratory use, OFITE Filter Presses have become the industry standard for low pressure/low temperature filtration testing.

Components

#141-00	Cell Body
#141-01	Base Cap
#141-02	Top Cap
#141-04	Screen, 60-Mesh
#141-05	Gasket, ½", Neoprene
#141-09	Threaded Insert with Set Screw
#141-10	T-Screw
#141-11	Graduated Holder
#141-12	Support Rod for Graduated Holder
#141-13	Air Hose, Low-Pressure, 15"
#141-18	Thumb Screw for Graduated Holder
#141-19	Air Hose Adapter for Top Cap
#141-22	Filter for Top Cap, Felt
#142-39	Pipe Plug, ¼" (0704-0009)
#143-06	Safety Bleeder Valve, ¼" NPT
#170-34	Male Needle Valve, ¼" × ¼" NPT
#500-SS-4-HCG	Hex Coupling, ¼" Female NPT

Optional:

#140-40-SP	Spare Parts Kit for #140-40
#140-50-SP	Spare Parts Kit for #140-50
#141-15	Air Hose, Low-Pressure, 6'
#153-16	Graduated Cylinder
#170-36	Nitrogen Regulator with Gauges
#170-37	Nitrogen Cylinder, 21" × 7", Right-Hand Thread
#171-24-1	Nut for Pressure Fitting
#171-24-2	Nipple for Pressure Fitting

Safety

Nitrogen must be supplied in an approved Nitrogen Gas Cylinder and secured to meet safety standards.

Nitrous Oxide cartridges should never be used as a pressure source for any Filter Press.