



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
©Copyright OFITE 2014



Half Area Filter Press

The Half Area Filter Press (#140-60) consists of a modified low pressure regulator with a CO₂ bulb pressurizing assembly and a filtration cell body. A rubber diaphragm boot contains the fluid and separates it from the pressurizing gas. This enables the unit to be operated while inverted, which negates the effect of particles settling on the filter medium prior to pressurization. The top edge of the boot acts as a gasket to provide a seal to the filter paper and the end cap.



Features

- Extremely portable
- May be operated by filtering upwards, which negate cutting settling on the filter medium prior to testing
- Easily obtainable CO₂ Bulbs provide pressure
- Proven design for over 50 years of successful usage
- Easy to service and obtain replacement parts

Intro

The OFITE Half Area Filter Press, or Mini-press, consists of a modified low-pressure regulator with a CO₂ bulb pressurizing assembly and a filtration cell body. A rubber diaphragm boot contains the fluid and separates it from the pressurizing gas. This enables the unit to be operated while inverted, which negates the effect of particles settling on the filter medium prior to pressurization. The top edge of the boot acts as a gasket to provide a seal to the filter paper and the end cap.

As the name implies, the filtration area is only half the API standard, $7.1 \pm 0.1 \text{ in}^2$ ($4580 \pm 60 \text{ mm}^2$) so all filtrate volumes must be doubled in order to comply with standard low-pressure filtration analyses. The compactness of the OFITE Mini-press allows it to be easily carried in all of the field kits, and it provides an accurate means of determining the filtration and wall-building characteristics of a drilling fluid.

Components

#140-60-01	O-ring for Bleeder Valve; Qty: 3
#140-60-03	C-ring for Bleeder Valve; Qty: 2
#140-60-04	E-ring for Base Cap
#140-60-05	Sample Boot
#140-60-06	Spring Housing Cap
#140-60-08	Pop Valve Body
#140-60-09	Gasket
#140-60-10	Friction Washer
#140-60-13	Spring Button
#140-60-14	Adjusting Spring
#140-60-15	T-screw
#140-60-16	Spring for Pop Valve
#141-20	Frog Bracket
#141-21	Wall Bracket
#142-38	Nozzle
#142-41	Gland
#142-46	Valve Spring
#142-47	Seat Assembly
#142-48	Diaphragm Assembly
#142-49	Slip Ring
#143-00-6	¼" Stainless Steel Ball for Airco Regulator
#143-01-1	200-PSI Gauge; ⅛" Back
#143-02-10	CO ₂ Puncture Head Assembly
#143-03	Barrel for CO ₂ Cartridge
#153-18	Graduated Cylinder; 10 mL × ⅜ mL; Glass
#170-19	Filter Paper 2½" (6.335 cm); Specially Hardened for Filter Presses
#170-23	60 Mesh Screen

Optional:

#140-84	Filter Press Stand
---------	--------------------

#140-60-SP

Spare Parts for #140-60:

#140-60-01	O-ring for Bleeder Valve; Qty: 4
#140-60-03	C-ring for Bleeder Valve; Qty: 2
#140-60-04	E-ring for Base Cap; Qty: 2
#140-60-05	Sample Boot
#140-60-12	Screen Retainer with Filtrate Tube
#140-60-16	Spring for Pop Valve
#140-84	Stand
#143-02-13	O-ring for Puncture Pin Holder; CO ₂ Cartridge; Qty: 4
#143-02-14	O-ring for Puncture Pin Holder Assembly; Qty: 4
#143-05	*CO ₂ Bulbs; EZ Puncture; Package of 10 (8 Gram) (UN #1013); Qty: 30
#143-19	Repair Kit for Victor Regulator
#153-18	Graduated Cylinder; 10 mL × ⅜ mL; Glass; Qty: 2
#153-40	Pipet; 10 mL × ⅜ mL; Glass; Qty: 4
#170-19	Filter Paper 2½" (6.335 cm); Specially Hardened for Filter Presses; Qty: 5