



Taha Kimia Tajhiz Co.

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Fann Co.

# **HT4700 HPHT Filter Press Datasheet**

**Drilling Fluids Testing / Filtration Equipment**

## HT4700 HPHT Filter Press

Filter Press and Safe Cell Suitable for Testing Up to 500°F (260°C)

### Description

The HT4700 HPHT Filter Press is designed for safe and efficient high temperature, high pressure fluid loss testing that meets API specifications.

This filter press consists of a heating jacket, Safe Cell, Type J thermocouple probe, pressurizing assemblies, and two power cables—115V and 230V.

### Digital Technology

- Digital Temperature Controller for the heater, providing better accuracy and control
- Digital Temperature Indicator for monitoring the temperature inside the cell

### Safety Features

- Screw-in cell cap reduces risk of removing it while under pressure
- CellTell™ Positive Pressure Indicator shows pressure status
- Vent holes help relieve any trapped pressure



Safe Cell

### Simple Cell Assembly

- No set screws; hand-tighten only
- No cell clamp or wrench required
- Filter paper stays intact when tightening cap
- Two fill lines etched inside: 130 ml at 350°F (177°C); 100 ml at 500°F (260°C)



HT4700 HPHT Filter Press with CO<sub>2</sub> & Backpressure Assemblies

### Operational Efficiency

- Cell Thermocouple for precise temperature measurements
- Lock & Release Knob to secure cell in place, maximizing heat transfer
- Data Port for recording and downloading data

#### DNA System compatible



DNA is a proprietary hardware and software system that adds capabilities to existing Fann equipment. Contact Fann Instrument Company for more information.

## HT4700 HPHT Filter Press Specifications

HT4700 Heating Jacket Specifications	
Maximum Temperature	500°F (260°C)
Heating Capacity	400 W
Power Requirements	115 / 230 VAC 1000 W
Dimensions	12 x 12 x 17.8 in. 30.5 x 30.5 x 45 cm
Weight	34 lb (15.4 kg)
HPHT Safe Cell Specifications	
Maximum Working Pressure	1800 psig (12,410 kPa)
Sample Cell Volume	100 ml @ 500°F (260°C) 130 ml @ 350°F (177°C)
Weight	9 lb (4.1 kg)



HT4700 HPHT Filter Press with Safe Cell, Nitrogen Manifold, Backpressure Assembly, and necessary equipment (included)

## Ordering Information

This filter press is available in various configurations as shown.

HT4700 HPHT Filter Press Assemblies				
	CO <sub>2</sub> Pressurization		Nitrogen Pressurization	
Filter Press Assembly Part Number	102195986	102196306	102197003	102197111
Safe Cell Configuration	Single Ended	Double Ended	Double Ended	Single Ended
Pressurization Part Number	CO <sub>2</sub> Assembly 209471		Dual Nitrogen Assembly 209545	
Backpressure Receiver Part Number	15 ml, CO <sub>2</sub> 209503		15 ml, Nitrogen No. 209502	
HT4700 Heating Jacket	115/230 Volts, 400 Watts, Part No. 101631160			
Note: Items listed for each assembly part number are included. These items can also be ordered separately. Heating Jacket includes Type J Thermocouple Probe, 115 V and 230 V power cables.				

Fann Instrument Company offers a complete line of equipment, materials, and supplies for analyzing various drilling fluids and oil well cements in accordance with API Specifications and API Recommended Practices.