

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 CO₂ & 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 ₂ 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 ₂ Assembly 209471		Dual Nitrogen Assembly 209545	
Backpressure Receiver Part Number	15 ml, CO ₂ 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.