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APPA 389 AP/MC

AUTOMATED SYSTEM REDUCES TRADITIONAL COSTS

The Fann Model 389 AP/MC provides an exceptional reproducible environment for testing a drilling fluid's ability to minimize fluid loss and achieve an optimal filter cake on the well bore. Traditional permeability plugging tests require the operator to manually manage the timing, pressure control, and filtrate collection for the entirety of the test. The Model 389 AP and MC combination eliminates the need for continuous operator intervention, and promotes testing automation and repeatability.

APPA 389 AP/MC

As a system, the Automated Permeability Plugging Apparatus Model (APPA) 389 AP/MC enables the user to perform automated permeability plugging tests while logging filtrate volume, pressure, and temperature autonomously. Analytical post-processing software enables the user to see how data collected by the Model 389 MC compares to usual filtrate collection methods. The combination allows for extended testing periods beyond 16 hours, which illustrates and quantifies the static permeability of the filter cake long after the traditional 30 minute test has ended.

APPA 389 AP

The Model 389 AP is a high pressure, high temperature instrument designed to perform permeability plugging tests. The 5000psi rated APPA is ideal for predicting how a drilling fluid can form a permeable filter cake to seal off depleted or under-pressure intervals.

APPA 389 MC

The Model 389 MC is an automated filtrate collection add-on, designed specifically for the APPA. The 389 MC allows a user to collect, record, and interpret real-time fluid loss data from a permeability plugging test performed on the APPA.

FEATURES

- Automatic pressure control, bottom side pressurization prevents settling of solids
- Filtering media comes in various pore sizes, compatible with all current APPA cells
- Fully automated for continuous collection of filtrate
- Graph illustrating real time data, on-board test data storage
- Fluid loss data logged/plotted, view/compare multiple test results simultaneously
- Run extended 16+ hr tests without an operator present
- Fluid loss measurement repeatability of 0.1 mL
- 40mL receiver 'flush' feature – eliminates need for removal/cleaning after every test

Part Number – 102557625 Model 389 AP/MC Combined
Part Number – 101967987 Model 389 AP
Part Number – 102484770 Model 389 MC

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.

APPA 389 AP/MC

APPA AP Quick Look	
Bottom Side Pressure Range	5000psi (34,473 kPa)
Maximum Differential Pressure	750psi (5170 kPa)
Operating Temperature Range	Ambient to 500°F (260°C)
Compressed Air Supply	80psi (551 kPa) minimum
Nitrogen Supply	1000 psi (6895 kPa) maximum
Power Supply	115/230VAC, 50/60 Hz 1000 Watts
Dimensions (W x D x H)	29.7 x 29.9 x 26.2 in 75.4 x 75.9 x 66.5 cm
Weight	175 lbs (79.4 kg)

APPA MC Quick Look	
Maximum Differential Pressure	750psi (5170 kPa)
Nitrogen Supply	1000psi (6895 kPa) maximum
Purge Fluid	Clean, distilled water
Dimensions (W x D x H)	17 x 14 x 30 in 43.1 x 35.5 x 76.2 cm
Weight	45 lbs (20.4 kg)