

Filter Cores for *Dynamic HPHT*[®] Filtration System

The *Fann Model 90 Dynamic HPHT*[®] filtration system utilizes special Filter Cores designed by Fann engineers for conducting filter cake formation and permeability analysis. The filter medium is a thick-walled cylinder with rock-like characteristics to simulate the build-up of filter cake on the formation thus providing more accurate filtration measurements. The entire internal length is subjected to pressurized fluid (sample). Filtrate flows through the core radially from the inside to the outside. The filter medium is available in varying porosities and permeabilities to simulate down-hole formations.



Specifications – Mean Pore Throat Diameter – microns (μ)

API Designation	New (Hg Data)	Old (Air) Data Previous Designation	Fann Material No.
12	12 μ	5 μ	210545
20	20 μ	10 μ	210546
40	40 μ	20 μ	210547
50	50 μ	35 μ	213483
55	55 μ	60 μ	210548
120	120 μ	90 μ	210549
None	--	150 μ	210550
None	--	190 μ	210190



Order Filter Cores by the Part Number shown in the chart above.

Filter Cores are supplied in boxes of 10 cores. Each box contains 10 cores of the same Porosity.

Nominal Core Dimensions:

Inside Diameter = 1.014 +/- 0.005
 Outside Diameter = 1.510 +/- 0.020
 Length = 1.114 +/- 0.005

Maximum Recommended Values

Mud weight, lb/gal (sg)	Rate, mL/min	CDI
9-12 (1.08-1.44)	0.22	25
12-15 (1.44-1.80)	0.18	20
15 or greater (1.80 +)	0.14	16

Fann Instrument Company offers a complete line of Instrumentation for use in testing drilling fluids in accordance with the following American Petroleum Institute publications:

**API Recommended Practice 13B-1, ANSI/API 13B-1/ISO 10414-1,
 API Recommended Practice 13B-2, & API Specification 13A**