

70MM DISC TEST FILTER



OVERVIEW

Mott's unique bench-top filter, our 70mm disc filter is the simple, inexpensive way to effect liquid-solid and gas-solid separations with either vacuum or pressure. The first step to larger pilot and process systems, this filter offers an impressive array of benefits.

DESCRIPTION

Barrier filtration testing to evaluate filtration performance with regard to media selection, flow rate, pressure drop, filtrate quality, cake properties and backwash. Slurry is fed to filter using vacuum, 1L pressure vessel or pumped slurry system.

Contaminated product enters the test filter and particulate is trapped on the surface of the porous disc while clean fluid exits the unit. As contaminant builds on the filter media, fluid flow will decrease (under constant pressure) or pressure drop will increase (constant flow). At terminal conditions, flow is reversed to dislodge the filter cake and remove it from the housing.



SPECIFICATIONS

Pressure Rating	150 PSIG (1034 KPa)
Vacuum	-14.7 PSIG (Full)
Temperature	250°F / 121°C
Media Grades	0.2, 0.5, 1, 2, 5, 10, 20, 40
Active Disc Diameter	2.37"
Active Porous Area	4.41 In ² ; 28.5 cm ² ; 0.031 ft ²
Reservoir Capacity	Slurry 140 cc / Filtrate 70 cc
Assembled Weight	4.4 lbs
Overall Height	3.9"
Inlet & Outlet Connections	1/2" NPT
Flow Rate	116 cc / min = 0.031 GPM

