SPARKLER FILTERS
Filtration Engineering & Manufacturing since 1927

EXAMPLE BATCH LOG

PRODUCT: BATCH VOLUME: OPERATOR:

FILTER MODEL: 18-D-10 (9) FILTER AREA: 16.2 (14.6) ft2 CAKE CAPACITY: 1.94 (1.74) ft3

TIME	STEP	P1	P2	FLOW RATE	NOTES, OBSERVATIONS, DE ADDED…
8	Precoat	40	8	35 gpm	Added 4 kg DE grade _HyfloSuperCel_
8:05		42	8	35 gpm	
8:10		44	8	35 gpm	
8:15		44	8	35 gpm	Clarity achieved. Close scavenger.
	Main Filtration				Filtering through main outlet
8:20		5	1	10 gpm	
8:50		5	1	10 gpm	
9:15		6	1	8 gpm	
9:30		8	1	7 gpm	
10:00		10	1	4 gpm	**Increase in differential pressure and decrease in flow rate—indicates bridging of solids
	End main filtration				
10:10	Scavenger				Main outlet closed. Scavenger open, 10 PSI nitrogen through scavenger
	Cake Wash				
	Nitrogen				

Observations upon completion and disassembly can include sealing areas, volume of cake solids, etc.:

Torque check shows all compression bolts still >25 ft-lbs

Precoat depth >1/16” on top four plates and >1/8” on remaining plates

All sealing areas well defined