

## Ronningen-Petter ROI Calculator

number of bag changes per day

gpm	number of bag changes per day							
	2	3	4	5	6	8	10	12
20	400	400	400	400	400	800	1600	1600 MCF
40	400	400	400	400	400	800	1600 MCF	1600 MCF
60		800	800	800	800	800	1600 MCF	1600 MCF
80				1600	1600	1600 MCF	1600 MCF	1600 MCF
100				1600	1600	1600 MCF	1600 MCF	1600 MCF
120				1600	1600	1600 MCF	1600 MCF	1600 MCF
140				1600	1600	1600 MCF	1600 MCF	1600 MCF
160				1600	1600	1600 MCF	1600 MCF	1600 MCF
180				1600	1600	1600 MCF	1600 MCF	1600 MCF
200				1600	1600	1600 MCF	1600 MCF	1600 MCF

### ROI (in months)

DCF-400	8	5	4	3	3	2	2	1
DCF-800	12	9	6	5	4	3	2	2
DCF-1600			12	10	9	7	5	4
MCF					11	8	7	6

### Dirt Loading

Low	100 ppm < 2 per shift < 5 per day	Medium	400 ppm 2-3 per shift 6-8 per day	High	1000 ppm > 3 per shift > 8 per day
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### DCF Filter Flow Rates

DCF-400	2-30 gpm
DCF-800	10-60 gpm
DCF-1600	30-200 gpm
MCF	30-200 gpm

ROI values are based on a 5 day work week. Divide ROI values by 1.4 for a 7 day work week.

For a more detailed ROI, visit:  
<http://www.filtration.eaton.com>

### Ronningen-Petter Media Options

	inch	micron	mesh	% open
Slotted	.0006"	15	-	1
	.001"	25	-	2
	.0015"	38	400	3
	.002"	50	325	4
	.003"	75	200	6
	.004"	100	150	8
	.006"	150	100	11
	.007"	180	80	13
	.008"	200	70	14
	.009"	230	60	16
	.015"	380	40	24
	.024"	600	30	34
	.030"	700	20	39
	.045"	1140	15	49
Defined Pore	.001"	25	400	No direct flow path.
	.0015"	38	325	
	.002"	50	200	
	.003"	75	150	
	.004"	100	100	No real value for % open area.
	.006"	150	80	
	.009"	230	70	
	.024"	610	40	
Perforated	1/16"	1575	12	40
	1/8"	3175	6	40
	1/4"	6360	3	57



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