

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 |
|-----|---|--------|---|------|--|

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.rpaprocess.com/roi>

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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