

Cost Saving Up to 50%!



Process:
Equipment
Cleaning Agent

Smartsonic
VIGON SC 200

Smartsonic
440-R

Assumptions:

Bath Volume (gallons) 57 57

Cleaning Cycles / day 20 20

Cleaning Media Considerations:

Media Concentration 25% 10%

Bath Life (weeks) 39 4

Process Data:

Bath Exchanges / Year 1 13

Bath Exchanges Consumption (gal.) / Year 57 741

Drag-out Losses (gal.) / Cycle 0.009 0.009

Drag-out Losses (gal.) / Year 12 12

Cleaning Time / Year 217 217

Evaporation Losses / Hour (gal) 0.0325 0.13

Evaporation Losses / Year (gal) 7 28

Cleaning Agent Consumption (gal) / Year 76 781

Time for Media Exchange (hour) 1 1

Time for Media Exchange Year 1 13

Process Costs:

Disposal Costs / gal \$2.00 \$2.00

Disposal Costs / Year **\$114.00** **\$1,482.00**

Cleaning Agent Price / gallon \$20.80 \$2.22

Cleaning Agent Cost for First Fill-up **\$1,185.60** **\$126.54**

Cleaning Agent Costs / Year **\$1,581.89** **\$1,734.29**

Personnel Costs / Hour \$15.00 \$15.00

Personnel Costs / Year **\$15.00** **\$195.00**

1st Year Costs including first fill-up

\$2,896.49 **\$3,537.83**

Overall Annual Process Costs

\$1,710.89 **\$3,411.29**

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