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## Are your plant's profits eroding?

Have you been asked by management to make your plant or its processes more profitable? Good news, if you're using Schutte & Koerting steam ejectors we may be able to help.

Over the course of normal operation, internal dimensions of steam ejectors can erode, decreasing their efficiency. Such erosion is gradual and may happen over the course of years, often going unnoticed by the plant operators. While ejectors are low cost, trouble free equipment, they do require regular maintenance checks to ensure good operation.

How much money can you save your company by inspecting and replacing worn steam ejector nozzles?

Consider the following examples when 150 psig steam is used at a cost of \$2.50 per 1000 pounds for three steam ejectors operating 24 hours per day, 350 days per year:

Ejector Size	Original Ejector Steam Usage	Steam Usage w/ 10% nozzle wear	Additional Operating cost at \$2.50 per 1000 lbs. steam	Cost of New Nozzles
1.5" Unit	316 lb/hr	372 lb/hr	\$1,176.00	\$806.00
3" Unit	1264 lb/hr	1500 lb/hr	\$4,956.00	\$1,339.00
6" Unit	5000 lb/hr	5990 lb/hr	\$20,790.00	\$2,599.00
<b>Total Additional Operating Cost:</b>				<b>\$26,922.00</b>
<b>Less Total Capital Investment:</b>				<b>\$4,744.00</b>
<b>Your Savings after 1 year:</b>				<b>\$22,178.00</b>

Ejector Size	Original Ejector Steam Usage	Steam Usage w/ 15% nozzle wear	Additional Operating cost at \$2.50 per 1000 lbs. steam	Cost of New Nozzle
1.5" Unit	316 lb/hr	410 lb/hr	\$1,974.00	\$806.00
3" Unit	1264 lb/hr	1640 lb/hr	\$7,896.00	\$1,339.00
6" Unit	5000 lb/hr	6540 lb/hr	\$32,340.00	\$2,599.00
<b>Total Additional Operating Cost:</b>				<b>\$42,210.00</b>
<b>Less Total Capital Investment:</b>				<b>\$4,744.00</b>
<b>Your Savings after 1 year:</b>				<b>\$37,466.00</b>

It's easy to see how savings can add up with just a few steam ejectors in your plant, how many does your company have?

How will you know if your ejector nozzles need to be replaced? That's where we come in. Schutte & Koerting engineers can give you the original specifications for your equipment and provide the original nozzle dimensions for your ejectors. We'll work with you to determine how much money you could be saving. So give us a call and stop eroding profits.