

Dalsjöfors Kontrollslakteri

Dalsjöfors, Sweden

General information	<p>Dalsjöfors Kontrollslakteri is a private, family-owned slaughter house which is serving the near surrounding area. It is approved and certified by the Swedish Food Health Institute for sales in Sweden as well as for export sales</p> <p>The slaughter house has been completely modernised in 1993 with modern killing, butchering and handling equipment, including the solids removal equipment for the total process effluents. The production was started in 1993 and the Roto-Sieve Drum screen was set into operation in August 1993.</p>												
Production	<p>The present killing production is:</p> <table><tr><td>60</td><td>cattle per day</td><td>13.000 cattle per year</td></tr><tr><td>70-80</td><td>pig per day</td><td>15.000 pig per year</td></tr><tr><td>75</td><td>sheep per day</td><td>3.000 sheep per year (2 months per year)</td></tr><tr><td>2-3</td><td>other per day</td><td>500 other per year</td></tr></table>	60	cattle per day	13.000 cattle per year	70-80	pig per day	15.000 pig per year	75	sheep per day	3.000 sheep per year (2 months per year)	2-3	other per day	500 other per year
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Sizing flow	<p>The Roto-Sieve Drum screen is handling the total process effluent, with the exception of the main part of the blood, which is diverted for separate treatment and usage.</p> <p>The feed into the Roto-Sieve unit is by gravity and the average flow is 20 m³/h with a max solids load of 10.000 mg/l. The sizing peak flow is estimated to be double the average flow. The captured and separated material is app. 6 m³/week with an average DS-content of 5 % - 7 %.</p>												
Roto-Sieve Drum screen	<p>Model RS 4024-51 with Ø 1.0 mm hole perforation. Rotational speed of the drum is 25 rpm. Inclination of drum unit is 3.5° (standard is 6°). Clean spraying is 60 sec. every hour with 50°-60° C hot water and with 4 bar spray water pressure. At the end of each working day the unit is flushed clean manually.</p>												
Miscellaneous	<p>The separated material is collected by the nearby City of Borås and is added to the organic mass of material in the municipal sewage plant digester for gas production. This organic material addition has proved to be highly valuable and has helped increasing the gas production significantly.</p> <p>The fine screened effluent, now removed of all solids larger than about 0.5-1.0 mm, is being sent to the municipal sewer systems for final treatment and purification in the municipal Sewage Treatment Plant.</p>												