Akron Svegma Continuous Grain Dryers
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The Akron Svegma range of grain dryers rank among the world’s finest in regard to drying quality, efficiency and capacity. Available in widths between two and eight metres and heights up to 20 metres, the Akron Svegma solutions offer consistent and high-efficiency drying of up to 125 tonnes of grain per hour. The modular and flexible design enables high levels of customization with unaffected drying performance, making the Akron Svegma dryer the ideal choice for farmers, farming cooperatives and commercial users of all sizes.

Proven design - continuous development
The Akron Svegma dryer was originally developed in the 1960s and has been continuously refined ever since. Akron’s acquisition of Svegma in 1992 sparked a leap forward as the dryers were then fitted with Akron’s own high-efficiency fans and heat production technology. Today’s Akron Svegma dryer is still based on the original design, attenuated by 50 years worth of optimisation and experience.

Key features
- Smooth and clean internal grain column with unique lateral fixing.
- All-galvanized design and robust construction enables a long lifespan for both indoor and outdoor models.
- Closely spaced, tapered laterals for maximum drying efficiency with even air flow. This combined with a proven discharge section ensures minimal risk of restricted grain flow.
- Wide range of heat source options for maximum flexibility and lowest operation costs.
- Flexible operation with state-of-the-art PLC control.
- Low power requirements, noise and dust levels.
- CE-marking and compliance to quality standards.
- Available also with the revolutionary RC heat recovery system with integrated dust extraction.
Designed and optimised for best performance

World-class design and development and attention to detail has brought the Akron Svegma grain dryer series to its current position. The dryer is among the most versatile on the market, available in multiple sizes and configurations with a wide amount of heating, control and automation options.

- PLC-based control and automation system optimised for each customer’s needs.
- Turbulator for thorough mixing of hot air on direct heated dryers.
- Variable cooling section shutters easily operated from the ground level. With all shutters open, the dryer is easily converted to run in batch mode. The dryer can also be run in “all-hot” mode with an external cooling system.
- All flanges turned down for maximum strength and weather protection as well as internal cleanliness.
- Totally smooth internal grain column allows unrestricted movement of the grain and avoids collection of dust and chaff.
- Sight glass on every second dryer section.
- Wide range of heating options; direct or indirect, with fuel options including oil, natural gas and solid (wood based) biofuel. Also possible to connect to district heating network.
Sloping roof for outdoor use.

High performance, low noise fan units. Akron Turboclean dust extraction fans available as option.

Galvanised construction for full protection in indoor and outdoor installations. Several types of outer cladding are available as options to suit site requirements.

Closely spaced, tapered laterals and half-laterals for optimised air flow through the grain.

Strategically placed inspection hatches for easy maintenance and cleaning.

Shutter pulse or metering roller pulse discharge options with integral aeration available. The discharge hoppers are available with adaptions to fit most chain conveyors or hoppers with built-in conveyors.
RC heat recovery with integrated dust extraction

Akron Svegma continuous dryers can be fitted with the revolutionary RC heat recovery system. The RC concept is based on the proprietary Akron Radiclean particle extraction fan and combines optimized energy efficiency with effective dust and particle extraction, while simultaneously allowing for a wider range of heating options than traditional heat recovery systems.

With the Akron Svegma RC technology, heat recovery no longer requires LPG or natural gas fired dryers; the recycled air is sufficiently free from dust and chaff to allow radiator heating. Other advantages compared to traditional heat recovery systems include a cleaner environment both inside and outside the dryer, decreased risk of fire and decreased complexity regarding both process and construction since the need for air mixing arrangements inside the dryer and shutdown of air movement during discharging are effectively obviated.

The RC concept can be retrofitted on existing Akron Svegma dryers without capacity reduction - only the energy costs are lowered.

Traditional heat recovery dryer. The air is recycled after the heating arrangement. To reach the required drying temperature, the recycled air must be mixed with superheated air, almost exclusively requiring either natural gas or LPG fired heaters. For this type of dryer, efficient air mixing is very important.

Akron Svegma RC dryer with active particle separation. The Akron Radiclean fan allows air to be recycled prior to the heating arrangement, requiring heating only to the required drying temperature. This opens for other heating options as well as obviating the need for complex air mixing inside the dryer.
## Nominal dimensions and capacities

### Akron Svegma 2100 - 2 metre wide dryers

<table>
<thead>
<tr>
<th>Width</th>
<th>Nominal capacity at 125°C</th>
<th>Removed water at 125°C</th>
<th>Net heat req at 125°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 m</td>
<td>5.0, 7.0, 8.5, 10.5, 12.0, 14.0, 15.5, 17.0, 19.0, 20.5, 21.5 tph</td>
<td>300, 410, 510, 610, 710, 810, 910, 1010, 1120, 1220, 1320 kg H₂O/h</td>
<td>360, 480, 610, 730, 850, 970, 1090, 1210, 1330, 1450, 1570 kW</td>
</tr>
</tbody>
</table>

### Akron Svegma 3100 - 3 metre wide dryers

<table>
<thead>
<tr>
<th>Width</th>
<th>Nominal capacity at 125°C</th>
<th>Removed water at 125°C</th>
<th>Net heat req at 125°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 m</td>
<td>7.5, 10.0, 13.0, 15.5, 18.0, 20.5, 23.5, 26.0, 28.5, 31.0, 33.5 tph</td>
<td>460, 610, 760, 910, 1070, 1220, 1370, 1520, 1670, 1830, 1980 kg H₂O/h</td>
<td>550, 730, 910, 1100, 1270, 1450, 1630, 1820, 2000, 2180, 2360 kW</td>
</tr>
</tbody>
</table>

### Akron Svegma 4100 - 4 metre wide dryers

<table>
<thead>
<tr>
<th>Width</th>
<th>Nominal capacity at 125°C</th>
<th>Removed water at 125°C</th>
<th>Net heat req at 125°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 m</td>
<td>10.5, 14.0, 17.0, 20.5, 24.0, 27.5, 31.0, 34.5, 38.0, 41.5, 45.0 tph</td>
<td>610, 810, 1020, 1220, 1420, 1620, 1830, 2030, 2230, 2440, 2640 kg H₂O/h</td>
<td>1010, 1270, 1520, 1780, 2030, 2290, 2540, 2790, 3040, 3300 kW</td>
</tr>
</tbody>
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### Akron Svegma 5100 - 5 metre wide dryers

<table>
<thead>
<tr>
<th>Width</th>
<th>Nominal capacity at 125°C</th>
<th>Removed water at 125°C</th>
<th>Net heat req at 125°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 m</td>
<td>17.0, 21.5, 26.0, 30.0, 34.5, 39.0, 43.0, 47.5, 51.5, 56.0 tph</td>
<td>610, 810, 1020, 1220, 1420, 1620, 1830, 2030, 2230, 2440, 2640 kg H₂O/h</td>
<td>1010, 1270, 1520, 1780, 2030, 2290, 2540, 2790, 3040, 3300 kW</td>
</tr>
</tbody>
</table>

### Akron Svegma 6100 - 6 metre wide dryers

<table>
<thead>
<tr>
<th>Width</th>
<th>Nominal capacity at 125°C</th>
<th>Removed water at 125°C</th>
<th>Net heat req at 125°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 m</td>
<td>20.5, 26.0, 31.0, 36.0, 41.5, 46.5, 51.5, 57.0, 62.0, 67.5 tph</td>
<td>1220, 1520, 1830, 2130, 2440, 2740, 3040, 3350, 3650, 3960 kW</td>
<td>1450, 1820, 2180, 2540, 2900, 3270, 3630, 3990, 4360, 4720 kW</td>
</tr>
</tbody>
</table>

### Akron Svegma 8100 - 8 metre wide dryers

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<thead>
<tr>
<th>Width</th>
<th>Nominal capacity at 125°C</th>
<th>Removed water at 125°C</th>
<th>Net heat req at 125°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 m</td>
<td>25.0, 31.0, 36.0, 41.5, 46.5, 51.5, 57.0, 62.0, 67.5 tph</td>
<td>2030, 2430, 2840, 3250, 3650, 4060, 4470, 4870, 5280, 5690 kW</td>
<td>2420, 2900, 3390, 3890, 4390, 4890, 5390, 5890, 6390, 6890 kW</td>
</tr>
</tbody>
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### General data for all dryer widths

- **No of drying sections**: 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13
- **No of cooling sections**: 2, 2, 2, 3, 3, 3, 4, 4, 4, 5
- **Dryer height**: 5.1, 5.7, 6.3, 6.8, 7.9, 8.4, 8.9, 10.0, 10.5, 11.0, 12.6 m

Dryer capacities in tonnes per hour are based on drying clean wheat, density 750 kg/m³ at 125°C and 80°C respectively, removing 5% moisture from 20% to 15%. Rates will vary depending on operating, installation and crop conditions. Larger capacities are also available.

NB! This information is provided for informative use only and forms no contractual or other obligation. Please contact your Akron dealer for more information and detailed offers to suit your specific installation.
AKRON is Sweden’s leading grain handling solutions provider, serving agricultural and industrial customers globally since 1935. Our trademarks Akron and Svegma guarantee the highest quality, availability and functionality. Our product range is developed internally and covers all agricultural and industrial grain handling needs, from transportation and loading solutions to drying, storage and state-of-the-art operational control. Our head office and manufacturing plant is located in Järpås, Sweden. Our products are used all over the world.

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