



LACKEBY ROTO-SIEVE® DRUM SCREEN

High-performance drum screen with
world-class separation technology

LACKEBY ROTO-SIEVE® DRUM SCREEN



The drum screen with the industry's most efficient particle separation

Lackeby Roto-Sieve® is a high-performance, self-cleaning drum screen for wastewater treatment, designed to provide the industry's most efficient particle separation. It is ideal for primary separation, sludge screening, and recycling in various applications.

With a durable design and few moving parts, Lackeby Roto-Sieve® has low energy consumption and a long service life. Thanks to its innovative belt drive and design, it is both a cost-effective and reliable investment that pays off over time.



A Lackeby brand



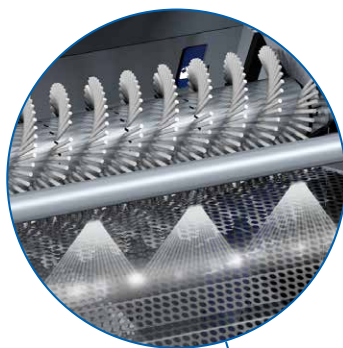
Manufactured in Sweden since 1965

Lackeby Products AB has over 60 years of experience in designing and manufacturing Lackeby Roto-Sieve® drum screens. We are committed to continuing to deliver the world's highest-performing drum screen systems to the global market. To date, over 5,500 Lackeby Roto-Sieve® drum screens have been delivered to both industrial and municipal facilities worldwide.

Efficient and easy to maintain with unique features

Automatic drum cleaning

A rotating brush and spray nozzles keep the drum screen clean.



Belt drive for reduced maintenance

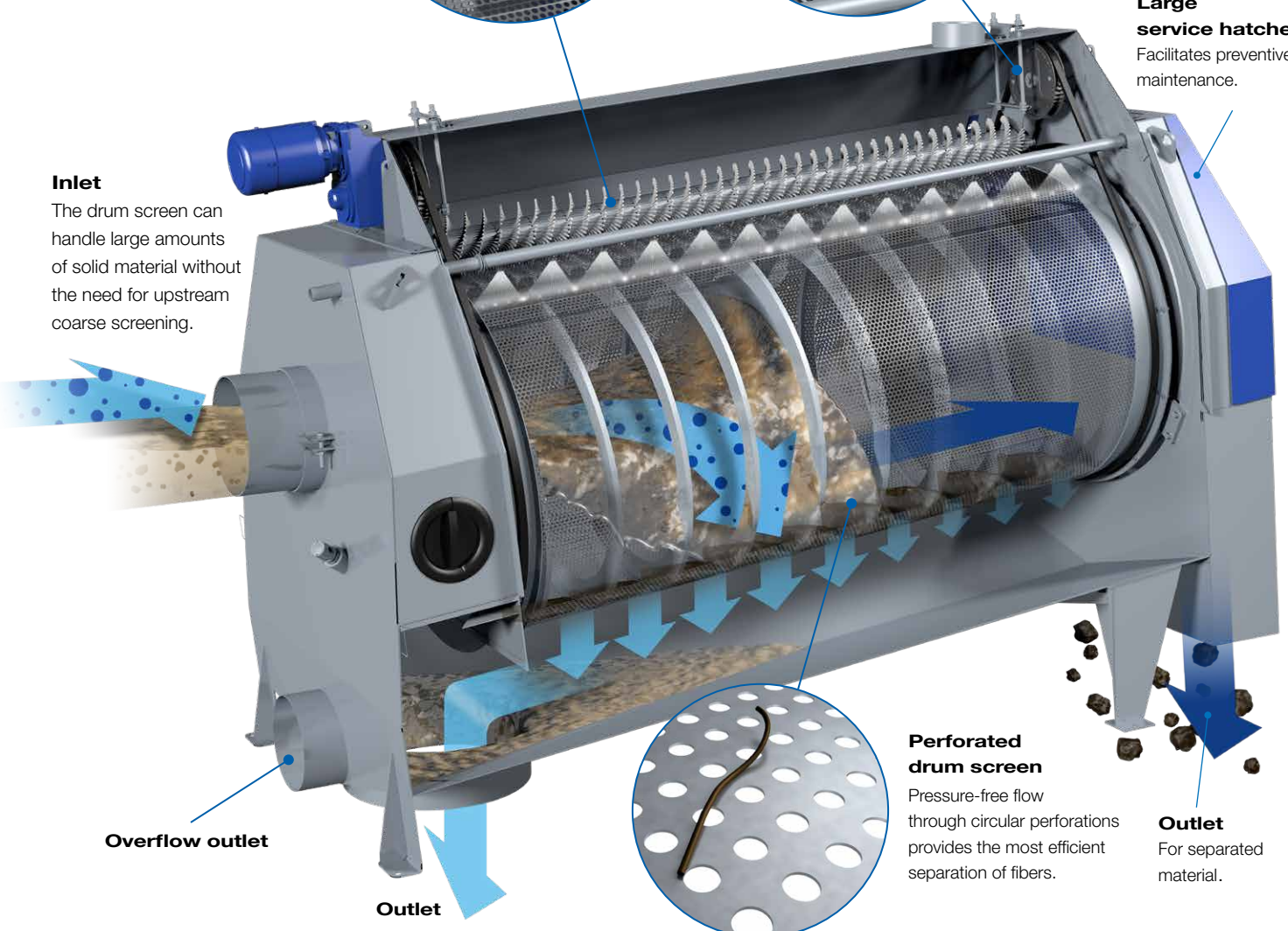


Large service hatches

Facilitates preventive maintenance.

Inlet

The drum screen can handle large amounts of solid material without the need for upstream coarse screening.



Perforated drum screen

Pressure-free flow through circular perforations provides the most efficient separation of fibers.

Outlet
For separated material.

Overflow outlet

Outlet

Models



Technical data

		RS 11	RS 22	RS 24	RS 36	RS 48	RS 412	RS 416
Max capacity ¹⁾	l/s	9	32	95	135	207	290	435
Perforation	mm	0.6 - 10.0	0.6 - 10.0	0.8 - 10.0	0.8 - 10.0	0.8 - 10.0	1.0 - 10.0	1.0 - 10.0
Sound intensity at 1m	dBA	<70	<70	<70	<70	<70	<70	<70
Length	mm	1210	1820	2815	2900	2950	3930	4950
Width	mm	600	960	960	1250	1600	1600	1600
Height	mm	1020	1445	1550	1950	2330	2395	2500
Net weight	kg	115	230	320	570	880	1205	1350
Working load ²⁾	kg	135	260	350	615	1090	1440	1610
Gross weight	kg	165	350	500	710	1020	1300	1470
Transport volume incl. crate	m ³	1.8	4.3	6.7	10.4	15.3	17.2	22.4
Drive motor, rated power	kW	0,25	0,37	0,37	0,55	1,1	1,1	1,1
Drive motor, rated current	A	1.32 / 0.76	1.89 / 1.09	1.89 / 1.09	2.44 / 1.41	4.19 / 2.42	4.19 / 2.42	4.19 / 2.42
Inlet pipe	Ø mm	124	250	250	300	404	506	606
Outlet pipe	Ø mm	150	250	400	500	500	604	704
Overflow outlet pipe	Ø mm	-	200	200	250	404	404	404
Spray header conn.	ISO	G ¾"	R1"	R1"	R1"	R1"	R1"	R1"
Recommended spray water pressure	bar	4 - 6	4 - 6	4 - 6	4 - 6	4 - 6	4 - 6	4 - 6
Spray water consumption at 4 bar	l/min	11	22	49	36	32	51	70

¹⁾ Maximum capacity of the inlet pipe as well as maximum capacity for a municipal waste water with 2 mm perforation, SS-load of 200 mg/l and FOG load of 30 mg/l.

²⁾ Static weight with the drum filled with water to the overflow level.

Lackeby Products AB has approximately 50 employees and designs and manufactures equipment for environmental cleaning and recycling. All manufacturing takes place in our workshop in Kalmar. The company is a committed partner with high process and product knowledge who always strives to fulfill our customers' real needs.

The company develops and manufactures equipment that reduces environmental impact, therefore it is a stated goal that the company's own routines and production methods are constantly improved in order to minimize the impact on the environment.



Lackeby Products AB

Phone: +46 480 770 100 | www.lackeby.com

Kalmar | Torsåsgatan 5F | SE-392 39 Kalmar | Sweden

Kungälv | Bultgatan 28 | SE-442 40 Kungälv | Sweden