



Outotec Larox[®] RB-SV

Reliable, continuous filtration

Outotec Larox[®] rubber belt filters provide the highest level of performance to meet the requirements of high capacity, heavy-duty applications.

The benefits of using the Outotec Larox RB-SV include gravity feeding, fully automatic operation, superior cake washing and drying, as well as flexibility and high capacity. If required, horizontal rubber belt filters enable efficient counter-current cake washing to minimize the usage of fresh wash liquid, limit filtrate dilution and save waste water treatment cost.

Benefits

- High capacity
- Simple installation, operation and maintenance
- Flexible, fully automatic operation
- Automatic adjustment for process changes
- Consistent performance
- High availability
- Outotec proven control system
- Diagnostics for fast trouble-shooting

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Outotec customers benefit from an unrivalled experience as Outotec Larox filters are the market leaders in mining and metallurgy filtration combined with over 1500 Pannevis belt filters delivered, since the late 1960s.

The Outotec Larox RB-SV filter enables a lower investment by combining multiple unit operations on one machine, e.g. solids separation, cake washing, chemical dosing, leaching or drying. The Outotec Larox RB-SV is an OEM filter with guaranteed quality parts and delivery.



The latest Outotec Larox rubber belt filter includes:

- Easy access to the process and vacuumbox
- Vacuum box designed for easy cleaning & minimized product build up
- Proven seal system between belt & box
- For wider filters, two boxes, one on each filter side
- Minimized spillage of cake, cloth- and belt wash water due to integrated drive frame design
- Optional plastic wetted parts
- Easy modification from single to double sided cloth wash
- Dry support table minimizes friction while eliminating lubrication water, -air and slide belts
- Frame design allows for full belt preparation in an Outotec workshop, after which filter can be shipped in modularized form
- Fast onsite assembly without heavy transportation and lifting cost



Even slurry distribution is accomplished via several methods, which can be used together or separately according to the slurry properties. The Outotec Larox RB-SV filter is the ideal unit for filtering high tonnages, fast settling and/or crystallizing slurries. Depending on the application, there are several options for the cake washing:

- Co-current washing
- Counter current washing
- Flooded washing or spraying
- 2, 3 or multiple stages
- Multiple wash liquids
- Cake washing by recycled cloth wash water

Benefits of the Outotec Larox RB-SV vs. conventional RB filters include:

- Side vacuum design allows for easy access and improved cleanliness
- Reduced downtime
- Safety operation according the latest standards
- Improved belt lifetimes
- Lower operation cost

Outotec Larox RB-SV				
Filtration width	m	1.60	3.0	4.25 *
Filtration length, minimum	m	6.0	10	20
Increment	m	2	2	2
Filtration length, maximum	m	20	40	40
Filtration area, minimum	m ²	9.6	30	85
Increment	m ²	3.2	6	8.5
Filtration area, maximum	m ²	32	120	170
Overall width	m	3.25	4.65	5.90
Overall length, min-max	m	10.75/24.76	17.36/47.36	24.768/44.76
Overall height w/o hood	m	1.9	1.9	1.9
Weight, min-max	kg	8 700/14 700	13 800/31 800	24 300/39 300
Installed power, min-max	kW	2.2–22	4–55	11/90
Seal water, min-max	l/m hr	30/100	50/200	100/200

The technical data is subject to change without notice. * Single vacuum box

Outotec develops and provides technology solutions for the sustainable use of Earth's natural resources. As the global leader in minerals and metals processing technology, Outotec has developed over decades several breakthrough technologies. The company also offers innovative solutions for the chemical industry, industrial water treatment and the utilization of alternative energy sources. Outotec shares are listed on the NASDAQ OMX Helsinki.

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