

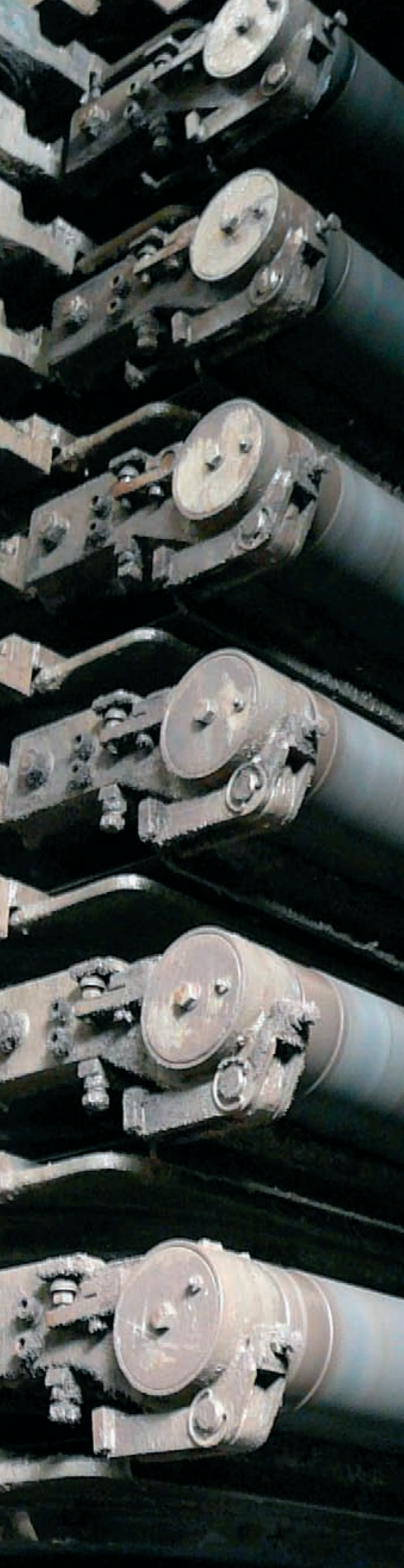
LAROX®

Automatic Pressure Filters M Series

LAROX PF

**FILTRATION
SOLUTIONS**





Filtration Applications in Mining & Metallurgy

Larox automatic pressure filters are widely used in mining and metallurgical operations. In mining applications the trend towards finer grinding in concentrators has resulted in more difficult dewatering, requiring an increased use of pressure filtration.

Larox Automatic Pressure Filter Applications

In metallurgical operations the increased use of hydrometallurgy requires pressure filtration to dewater and wash leach residues and precipitates. Since 1977, Larox pressure filters have earned a reputation for delivering better process performance, reliability and low operating costs.

Product Description

Larox automatic pressure filters are recessed plate membrane filters in which the chambers lie horizontally. The individual filter plates have either single-sided filtration areas of 1.6, 2.5 and 6 m² or double-sided filtration areas of 0.9, 2.1 and 4.7 m² depending on the filter model.

The plates are stacked vertically to give a total filtration area between 1.6 and 168 m². Filter capacity can be expanded by adding plates. A single filter cloth zigzags between the filter plates. Many types of filter cloth are available for different applications.

The plate pack is opened and closed by hydraulic cylinders. In the closed position the plates form sealed chambers with the filter cloth in between. The slurry to be dewatered is pumped into all chambers simultaneously through the distribution manifold and piping.

After a cake has formed, the plate pack is opened and the cloth is driven forward, discharging the cakes completely. Simultaneously, the cloth leaving the plate pack passes through high-pressure water sprays that maintain cloth permeability and extend cloth life.

Larox pressure filters are fully automatic in terms of both their mechanical operation and process optimization. All operations are controlled by the filter's programmable logic controller that also actuates ancillary equipment, such as pumps and conveyors.

Larox offers comprehensive technical sales, testing and maintenance services to select the optimum filter, assist with plant design, and ensure the filter runs efficiently and reliably.

Thousands of filter installations worldwide

- Copper
- Zinc
- Lead
- Nickel
- Platinum group metals
- Iron ore pelletizing feed
- Zinc refineries
- Leach residue
- Jarosite precipitate
- Cu/Co precipitate
- Cd precipitate
- Gypsum
- Nickel refineries
- Cobalt refineries

Benefits

Larox automatic pressure filters for mining and metallurgical applications have been developed to meet the needs of industry.

Larox Automatic Pressure Filters Deliver Superior Process Results

- Exceptionally dry filter cakes to meet TML and reduce transport and drying costs.
- Ability to dewater fine and difficult-to-dewater solids.
- Horizontal filter plates without stay-bosses produce homogenous cakes and provide efficient cake washing.
- Moving filter cloth guarantees complete cake discharge, and simultaneous cloth washing prolongs cloth life and performance.
- High unit capacity and vertical construction reduce both the number of filters required and the footprint for installation.

Improved Process Economy

Every Larox pressure filter features energy-efficient production technology, lowering energy costs and cutting emissions to the lowest level.

- Fewer, larger filter plates reduce the number of components requiring maintenance.
- Cloth management system
- Robust construction and materials for arduous operating conditions.

Fully Automatic Operation

Automatic operation saves manpower by eliminating the need for continuous supervision.

- Fully automatic operation, not just automated functions. The Larox automation system maintains consistent throughput and performance even with variable mineralogy or process conditions.

Mineral concentrate dewatering for fine materials and large tonnages.

Tailings dewatering for water recovery, stable and environmentally acceptable storage.

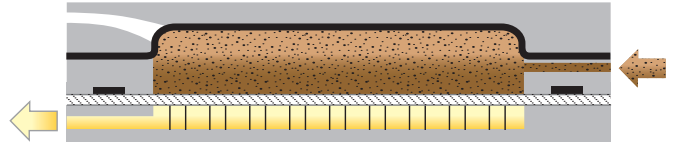
Washing and dewatering of refinery precipitates.



Operating Principles

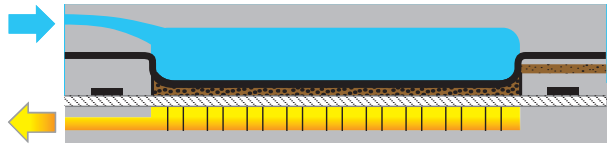
1. Filtration

The process slurry is pumped into all filter chambers simultaneously. The solids begin to form as the filtrate is displaced by more slurry entering the chamber. As the solids build, the pumping pressure increases, and filtrate is forced through the cloth until the required solids thickness is achieved.



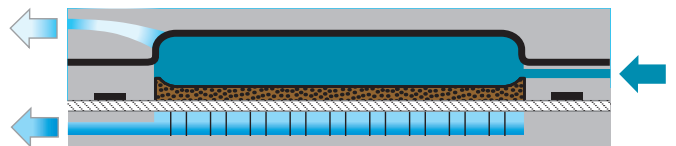
2. Diaphragm Pressing I

High-pressure air or water automatically inflates the diaphragm located at the top of each chamber, reducing the chamber volume and squeezing the solids to remove more filtrate. The solids filtration process and tightly woven filter cloth produces exceptionally clear filtrate. The high pressure maximizes filtration efficiency. Diaphragm pressing produces homogenous dewatered solids of uniform thickness with minimal excess liquid, which assists the washing and air blowing steps.



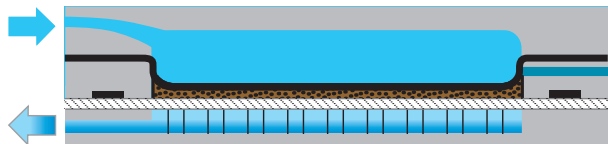
3. Solids Washing

Larox pressure filters can wash dewatered solids in-situ to maximize solute removal or to recover the mother liquor with minimal dilution. The wash liquid is distributed evenly because the solids are homogenous and the filter plates lie horizontally. The wash liquid flows through the solids, displacing the mother liquid with minimal mixing.



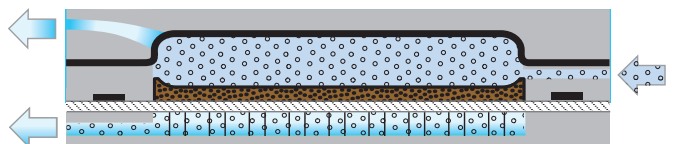
4. Diaphragm Pressing II

The diaphragms are re-inflated, forcing the wash liquid uniformly through the solids. This produces a washing efficiency of over 95 %, with consistent dry solids quality and minimum wash liquid consumption.



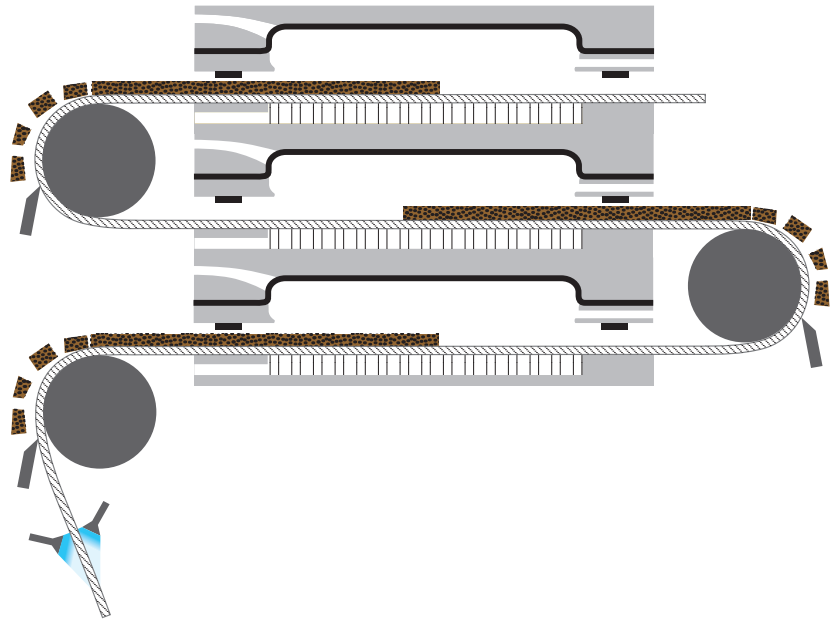
5. Air Blowing

Compressed air is blown through the solids for final dewatering. The moisture content is minimized and can be controlled precisely by adjusting the pressure and duration of the air blow.



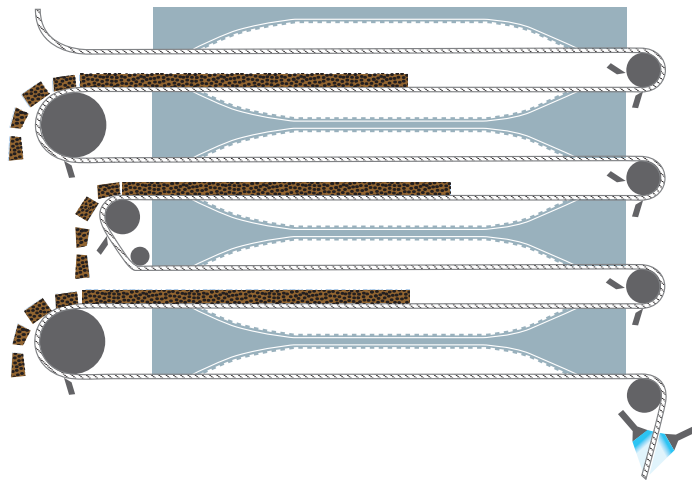
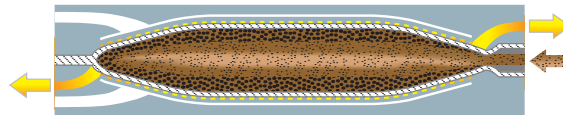
6. Solids Discharge and Cloth Washing

After the plate pack opens, the dewatered solids are conveyed out of each chamber on the moving filter cloth. The integrated wash unit sprays both sides of the cloth with high-pressure water, minimizing cloth blinding to ensure consistent filtration results.

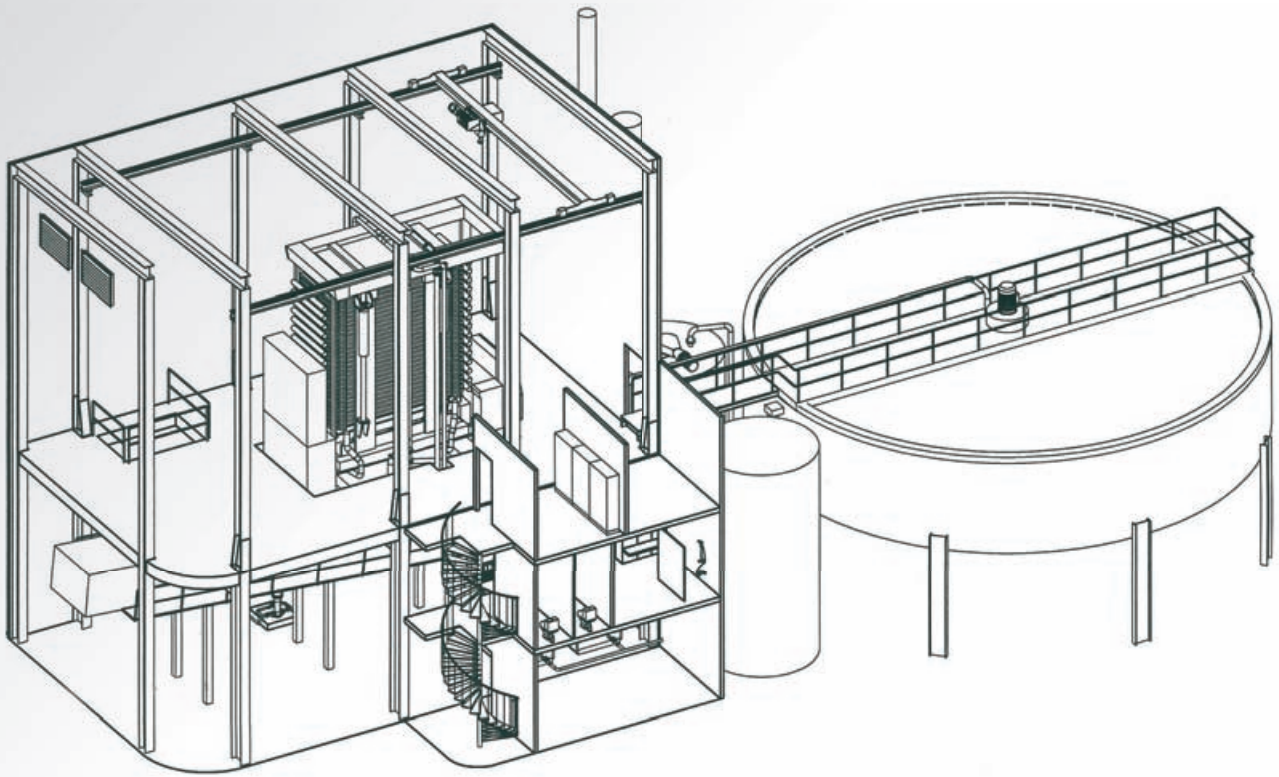


Differences between Larox PF and DS

The Larox DS filter has two filter cloths and two diaphragms. This allows for double-side filtration, which provides advantages especially when operating slow filtering processes. The operational steps are similar to those described above. Extended cake washing performance can also be utilized. A detailed operating description is available on request.



- | | | | |
|---|---------------|---|-------------|
|  | Slurry |  | Pressing |
|  | Filter cloth |  | Wash liquid |
|  | Filtrate |  | Air |
|  | Wash filtrate |  | Solids |



Conceptual PF plant

Comprehensive Design Assistance

Let Larox help you design the optimum filtration plant for your process.

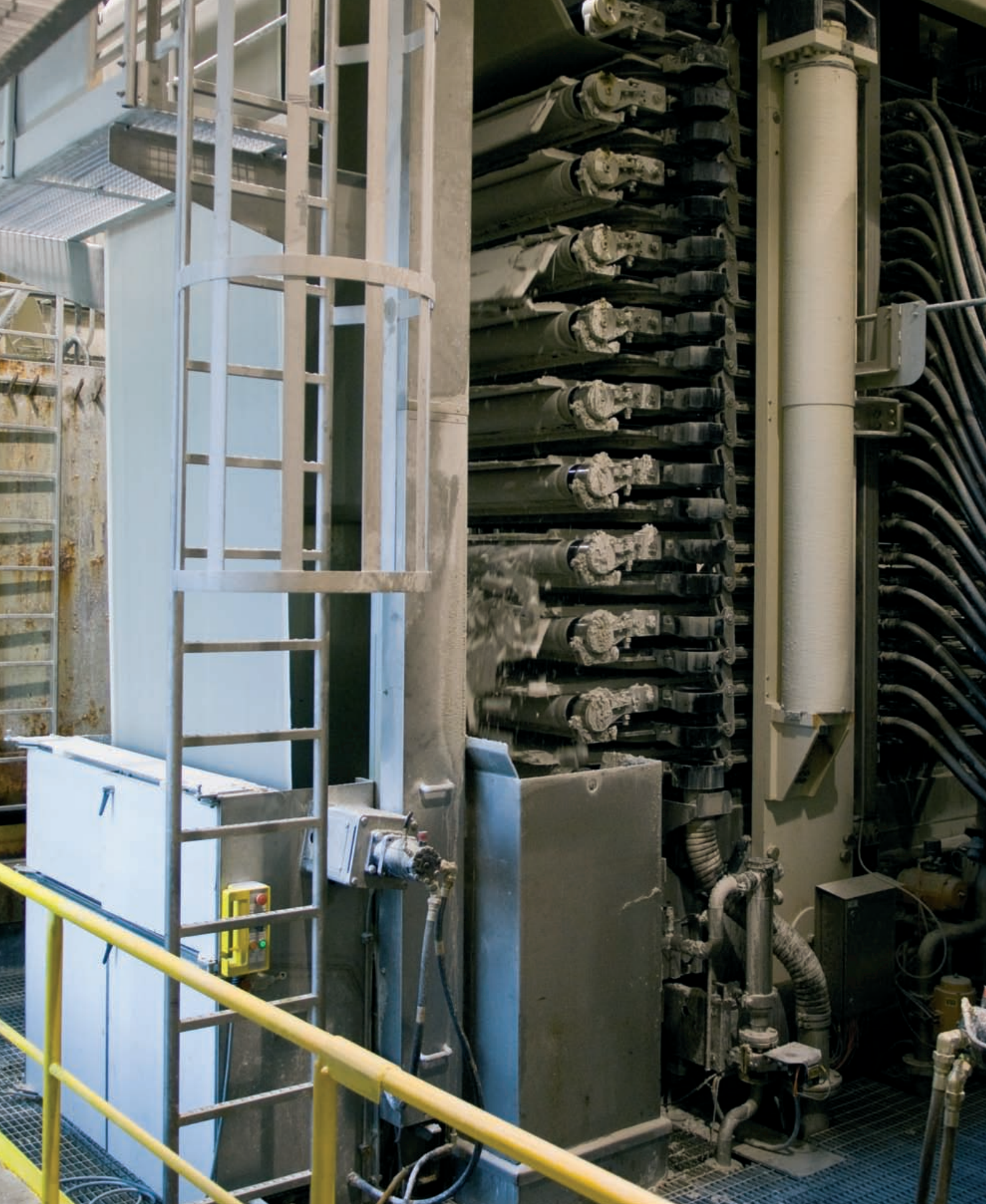
Our services include:

- Application consultancy
- Filtration testing
- Filter and ancillary sizing
- Plant layout concepts

Drawings:

- GA
- Foundation
- P&ID
- Piping

WE CONTINUE
TO SUPPORT
YOU WITH OUR
COMPREHENSIVE
GLOBAL AFTER
SALES SERVICE.



Larox PF 60 Series cake discharge

Larox Automatic Pressure Filters

Maintenance Platforms and Filter Covers

All components can be reached from integrated maintenance platforms. A hand-held controller aids maintenance by enabling manual testing of the components being checked. During operation, interlocked covers ensure safety and assist housekeeping. Optional enhanced covers are available for increased levels of enclosure and fume extraction.

Fully Automatic Operation

Larox pressure filters operate fully automatically, either with stand alone panel and integral PLC or through a distributed control system. The automation extends beyond simple filter sequencing to process control to achieve consistent results under varying process conditions.

Filter Plates

The filter plates are manufactured in stainless steel or polypropylene for long life and corrosion resistance. They are available in a range of chamber depths from 30 to 75 mm to suit slurries with significantly different filterabilities. Cake compression diaphragms are available in a wide range of elastomers to suit different conditions. Heavy duty cloth rollers and bearings provide long life and low maintenance.



Filter Cloth Washing

In every cycle the filter cloth passes through high pressure water sprays to remove adhering and embedded solids. This maintains cloth permeability, ensures consistent filter performance and extends cloth life.



Guaranteed Cake Discharge

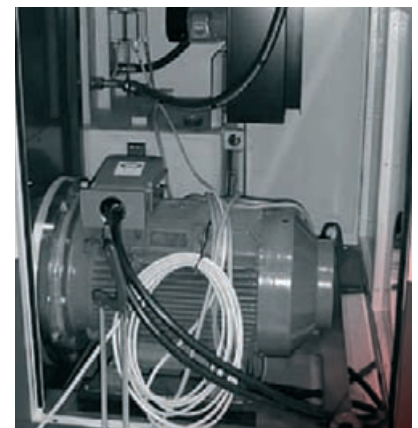
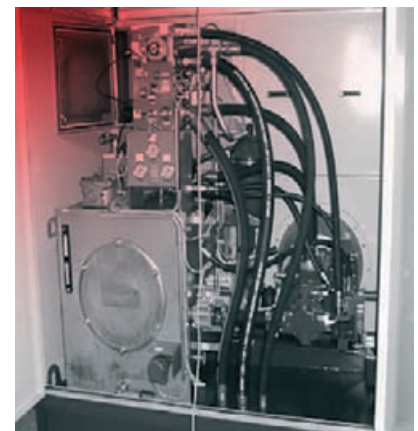
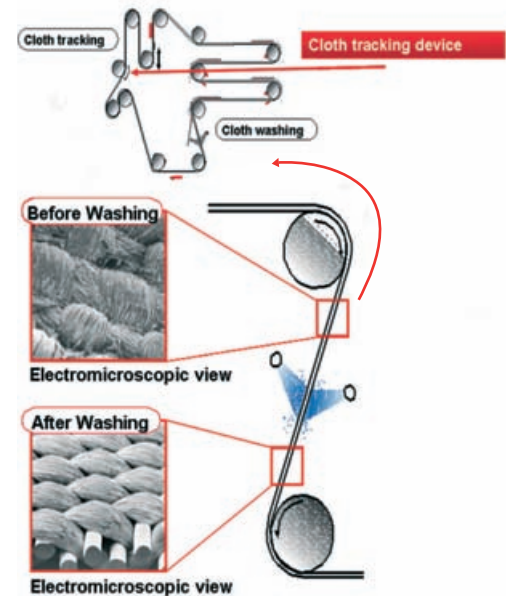
The moving filter cloth on Larox automatic pressure filters transports the cakes out of every chamber, completely, every cycle. This eliminates the need for manual assistance.

Hydraulics

- Hydraulics components are located in a clean zone
- Layout designed to simplify maintenance
- Gauges and test points
- Dust proof cabinet

Design Features

- Quality components
- Stainless steel tank
- Variable displacement piston pump with servo control





Larox PF 60 Series

Larox PF M1.6 Series Filters

Compact, Simple to Install Pressure Filter for Smaller Duties

Larox M1.6 Series automatic pressure filters offer filtration areas of 1.6 to 12.6 m² in a compact, easy-to-install unit. The filter is usually delivered fully assembled requiring minimal on-site assembly. This model has several corrosion protection options for demanding process conditions.

- Base and precious metal concentrates at smaller plants

- By-product concentrates such as molybdenum
- Metallurgical leach residues and precipitates
- Electrolytic refinery anode slimes
- Effluent treatment circuits

M1.6 Series filters use 1.6 m² filter plates with 45 mm and 60 mm deep chambers in stainless steel plates, or 40 mm deep chambers with optional polypropylene plates.



Larox PF M12 Series Filters

Mid-Sized Filter with a Long and Successful Track Record, Offering Advanced Features and Benefits at a Budget Price

The M12 Series has a long and successful track record in mining and metallurgical applications. It offers filtration areas ranging from 9.5 to 32 m². Although technically superseded by the new M15 Series,

the M12 Series has been retained but rationalised, with an emphasis on cost reduction to make automatic pressure filtration viable for lower budget projects.

M12 Series filters use 1.6 m² filter plates with 45 mm and 60 mm deep chambers in stainless steel plates, or 40 mm deep chambers with optional polypropylene plates.



Larox PF M15 Series Filters

Mid-Sized Filter Designed for Simple Maintenance and with Corrosion Protection Options for Extreme Refinery Conditions

M15 Series automatic pressure filters have filtration areas from 15 to 50 m². They have been designed to minimise maintenance and have platforms to

provide access to all parts of the filter. The M15 Series has options for high levels of corrosion protection for metallurgical refinery applications.

M15 Series filters use 2.5 m² stainless steel filter plates with 45 mm and 60 mm deep chambers.



Technical Data

Larox M1.6		1.6	3.2	4.7	6.3	7.9	9.5	11	12.6		
Filtration area	m ²	1.6	3.2	4.7	6.3	7.9	9.5	11	12.6		
Filter plates	pcs	1	2	3	4	5	6	7	8		
Filter plate size	mm	900 x 1 750									
Main dimensions, length	mm	3 650									
Main dimensions, width	mm	2 500									
Main dimensions, height (60 mm chambers)	mm	2 300	2 300	2 400	2 500	2 600	2 700	2 900	-		
Weight	t	10.5	11	11.5	12	12.5	13	13.5	14		
Required floor area	m ²	36									
Maximum pressure	bar	16									
Filter cloths, width	mm	1 050									
Filter cloths, length	m	17		22		28		33			
Electric motors (400 V, 50 Hz)											
Hydraulic unit	kW-r/min	18.5 - 1 500									
Pressing water pump	kW-r/min	4 - 3 000				11 - 3 000					
Pressing water tank	l	400				1 000					
Larox M12		9.5/9.5	12.5/16	16/16	16/19	19/19	22/25	25/25	28/32	32/32	
Filtration area	m ²	9.45	12.6	15.75	15.75	18.9	22.05	25.2	28.35	31.5	
Filter plates	pcs	6	8	10	10	12	14	16	18	20	
Filter plate size	mm	900 x 1 750									
Main dimensions, length	mm	4 250									
Main dimensions, width	mm	3 600				3 800					
Main dimensions, height (60 mm chambers)	mm	2 600	3 100		3 600		4 100		4 600		
Weight	t	10.9	12.0	12.7	13.5	14.2	16.1	16.8	17.4	18.1	
Required floor area	m ²	39.5									
Maximum pressure	bar	16									
Filter cloths, width	mm	1 050									
Filter cloths, length	m	21.5	27.5	33	34	38.5	44.5	49.5	55	60.5	
Electric motors (400 V, 50 Hz)											
Hydraulic unit	kW-r/min	18.5 - 1 500									
Cloth centering	kW-r/min	0.55 - 1 500									
Pressing water pump	kW-r/min	11 - 3 000					15 - 3 000				
Pressing water tank	l	1 500					2 500				
Larox M15		15	20	25	30	35	40	45	50		
Filtration area	m ²	15*	20*	25*	30*	35	40*	45*	50		
Filter plates	pcs	6	8	10	12	14	16	18	20		
Filter plate size	m ²	2,5									
Main dimensions, length	mm	5 100									
Main dimensions, width	mm	3 900									
Main dimensions, height (60 mm chambers)	mm	4 000	4 000	4 000/4 600		4 600	4 600	5 950	5 950	5 950	
Weight	t	28	29	30/32		33	34	38	39	40	
Required floor area	m ²	60 (10 m x 6 m)									
Maximum pressure	bar	16									
Filter cloths, width	mm	1 180									
Filter cloths, length	m	29	35	41/42		49	54	61	67	74	
Electric motors (400 V, 50 Hz)											
Hydraulic unit	kW-r/min	22 - 1500									
Pressing water pump	kW-r/min	18.5 - 3 000					37 - 3 000				
Pressing water tank	l	2 500					4 000				

The technical data is subject to change without notice. *Expandable

Larox PF M48 Series Filters

Mid to High Capacity Filter Designed for Simple Maintenance

M48 Series automatic pressure filters have filtration areas from 48 to 96 m² for concentrates and other high-density solids. A "lightweight" option is available up to 168 m² for low-density solids, such as certain metallurgical precipitates. The M48 Series has been designed to simplify maintenance.

M48 Series filters use 6 m² stainless steel filter plates with 45 mm, 60 mm and 75 mm deep chambers.

Note: The photograph shows the filter without covers, cake chutes or maintenance platforms.



Larox M48		48	60	72	84	96	108	120	132	144	156	168	
Filtration area	m ²	48	60	72	84	96	108	120	132	144	156	168	
Filter plates	pcs	8	10	12	14	16	18	20	22	24	26	28	
Filter plate size	mm	1 500 x 4 010											
Main dimensions, length	mm	6 800											
Main dimensions, width	mm	5 040											
Main dimensions, height	mm	5 170			5 860			6 340		6 920		7 610	
Weight	t	59	62	65	72	74	81	84	90	93	99	102	
Required floor area	m ²	110											
Maximum pressure	bar	16											
Filter cloth width	m	1.7											
Length	m	55	65	75	85.5	95.5	106	116	128	136	148	158	
Electric motors (400 V, 50 Hz)													
Hydraulic unit	kW-r/min	90 - 1 500						110 - 1 500					

The technical data is subject to change without notice.

Larox PF M60 Series Filters

High Capacity Filter for Concentrators

M60 Series automatic pressure filters have areas from 60 to 168 m² and are capable of dewatering 150 tonnes per hour of solids per filter in concentrate and iron ore applications. These filters are installed at many of the world's largest and best-known mines. They have a robust design for long life in tough conditions.

M60 Series filters use 6 m² stainless steel filter plates with 45 mm, 60 mm and 75 mm deep chambers.



Larox M60		60	72	84	96	108	120	132	144
Filtration area	m ²	60	72	84	96	108	120	132	144
Filter plates	pcs	10	12	14	16	18	20	22	24
Filter plate size	m ²	1 500 x 4 010							
Main dimensions, length	mm	6 800							
Main dimensions, width	mm	5 040							
Main dimensions, height	mm	5 120		5 820		6 520		7 220	
Weight	t	68.5	71.5	77.0	80.0	85.5	88.5	94.0	97.0
Required floor area	m ²	110							
Maximum pressure	bar	16							
Filter cloths, width	m	1.7							
Filter cloths, length	m	62.5	73.5	84.5	95	105.5	116.5	128	136
Electric motors (400 V, 50 Hz)									
Hydraulic unit	kW-r/min	90 - 1 500				110 - 1 500			

The technical data is subject to change without notice.

Larox DS 800

Compact Enclosed Filters for Extreme Refinery and Hydrometallurgy Applications

DS800 Series automatic pressure filters are fully enclosed for the safe handling of hazardous or corrosive processes that require containment. The fume-tight design provides vapor containment and a secure process. As an option the filter can be delivered as a gas-tight execution or upgraded for operation in explosive atmospheres. The filters have effective areas of 1.8 to 14.4 m² and offer very effective cake washing capabilities where required. The filters incorporate a unique double-

sided filtration system, making them especially suitable for slower filtering processes where more filtration area is required and typically thinner filter cakes are formed. Internal clean-in-place systems ensure total cleaning of the filter as needed.

DS800 Series filters use 800 mm all-polypropylene plates making them ideal for corrosive processes. 25, 40 or 50 mm chamber depths are available. Typical applications include:

- Nickel leach residues
- Molybdenum refining
- Precious metals
- Organic regeneration in SX



Larox DS 1200

Mid-Sized Enclosed Fume Tight Filters for Extreme Applications

DS1200 Series automatic pressure filters are also fully enclosed and fume tight for the safe handling of hazardous or corrosive processes that require containment. These filters have effective filtration areas of 10.75 to 73.1 m² and also

utilize the unique double-sided filtration system found in the smaller units. The filter plate is again all-polypropylene and is 1,075 m² on each side with 25, 40 and 50 mm chamber depths. Clean-in-place is again standard on all the units.

The applications are essentially the same as those for the DS800, but larger capacities can be handled.



Larox DS 2400

Large-Capacity Enclosed Filters suitable for Extreme Applications

DS2400 Series automatic pressure filters are the largest units in the DS line and are also fully enclosed and fume-tight. These filters have effective filtration areas of 56.9 to 169.2 m². The filter plate has dimensions of 2.4 x 1.2 m with 25, 40

and 50 mm chamber depths. It is an all-polypropylene construction with the unique DS double-sided filtration system, and the units incorporate the clean-in-place capability.

The applications are the same as those for the DS800, but larger capacities can be handled.



Technical Data

Larox DS 800															
Frame size	DS 800-4			DS 800-8				DS 800-12				DS 800-16			
Type	4/2	4/3	4	8/5	8/6	8/7	8	12/9	12/10	12/11	12/12	16/13	16/14	16/15	16
Number of chambers	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Effective filter surface m ²	1.8	2.7	3.6	4.5	5.4	6.3	7.2	8.1	9	9.9	10.8	11.7	12.6	13.5	14.4
Chamber depth 25 mm (l)	21	32	42	53	63	74	84	95	105	116	126	137	147	158	168
Chamber depth 40 mm (l)	33	50	66	83	99	116	132	149	165	182	198	215	231	248	264
Chamber depth 50 mm (l)	43	64	86	107	128	150	171	193	214	235	257	278	300	321	342
Filter plate size	800 x 800														
Max. Working pessusure	16 bar														
Length (mm)	2 695														
Width (mm)	2 685														
Machine height (mm)	2 830			3 490				4 165				5 055			
Machine weight (t)	8			9				10				11			
Connecting line output															
Hydraulic unit	1 x 4.0 kW														
Belt drives	Depending on installed cloth drives max 6 kW with 16 chambers														
Larox DS 1200															
Frame size	DS 1200-12			DS 1200-16				DS 1200-20							
Type	12/10	12/11	12	16/13	16/14	16/15	16	20/17	20/18	20/19	20				
Number of chambers	10	11	12	13	14	15	16	17	18	19	20				
Effective filter surface m ²	21.5	23.7	25.8	28	30.1	32.3	34.4	36.6	38.7	40.9	43				
Chamber depth 25 mm (l)	225	248	270	293	615	338	360	383	405	428	450				
Chamber depth 40 mm (l)	380	418	456	494	532	570	608	646	684	722	760				
Chamber depth 50 mm (l)	490	539	588	637	686	735	784	833	882	931	980				
Filter plate size	1 200 x 1 200														
Max. Working pessusure	16 bar														
Length (mm)	3 430														
Width (mm)	3 210														
Machine height (mm)	4 220			4 940				5 660							
Machine weight (t)	20			23				26							
Connecting line output															
Hydraulic unit	1 x 15.0 kW														
Belt drives	Depending on installed drives max 14.25 kW with 34 chambers														
Larox DS 2400															
Frame size	DS 2400-12			DS 2400-16				DS 2400-20							
Type	12/10	12/11	12	16/13	16/14	16/15	16	20/17	20/18	20/19	20				
Number of chambers	10	11	12	13	14	15	16	17	18	19	20				
Effective filter surface m ²	47	51.7	56.4	61.1	65.8	70.5	75.2	79.9	84.6	89.3	94				
Chamber depth 25 mm (l)	507	558	608	659	710	761	811	862	913	963	1014				
Chamber depth 40 mm (l)	840	924	1 008	1 092	1 176	1 260	1 344	1 428	1 512	1 596	1 680				
Chamber depth 50 mm (l)	1 065	1 172	1 278	1 385	1 491	1 598	1 704	1 811	1 917	2 024	2 130				
Filter plate size	1 200 x 2 350														
Max. Working pessusure	16 bar														
Length (mm)	4 630														
Width (mm)	3 620														
Machine height (mm)	4 150			4 870				5 590							
Machine weight (t)	26			30				34							
Connecting line output															
Hydraulic unit	1 x 37.0 kW + 1 x 4.0 kW														
Belt drives	Depending on installed drives max 14.25 kW with 34 chambers														

The technical data is subject to change without notice.



Performance for Life

Larox provides its customers with an unrivalled combination of process expertise and service. Larox delivers complete filtration solutions, which exceed the customers' expectations. Larox offers a comprehensive Performance for Life service concept for its filtration solutions.

Larox's customer-centered services begin with strategic lifecycle planning already at the investment phase. A nominated customer support engineer handles each project together with the project manager, providing a familiar and reliable point of contact for the customer throughout the entire lifetime of the filtration solution. Start-up and training services ensure optimal performance, while reliability is maintained

through spare part services, service agreements and maintenance support. Filter performance can be further enhanced through process optimization and modernizations. Finally, Larox offers refurbishment and relocation/resale services that maximize the value of the original filtration investment.

Larox's mission is to work together with its customers on a day-to-day basis to achieve their system



- **Safety**
- **Reliability**
- **Sustainability**
- **Process Results**



and process objectives for the entire lifetime of the solution. To support customers in achieving competitiveness in their business, Larox helps them maximize availability, minimize operating cost and optimize process results. The Performance for Life service concept developed by Larox has proven to be an optimized, cost-effective and high-quality approach that meets the individual needs of customers.

Testing for Optimal Results

Larox offers a versatile range of test filtration services. After each test the client receives a detailed report, quantifying the technical and economic benefits of the Larox solution.

Bench Test Filters

Our bench test pressure and vacuum filters are used for preliminary screening and when only a limited amount of slurry is available. These test filters are also available to clients who wish to perform regular tests on their slurry.

Laboratory Filters

Our laboratory pressure and vacuum filters simulate the process at the client's production site on a smaller scale. All process and cost benefits of the application are projected with reliable, repeatable test results that can be used for filter sizing.

Pilot Filters

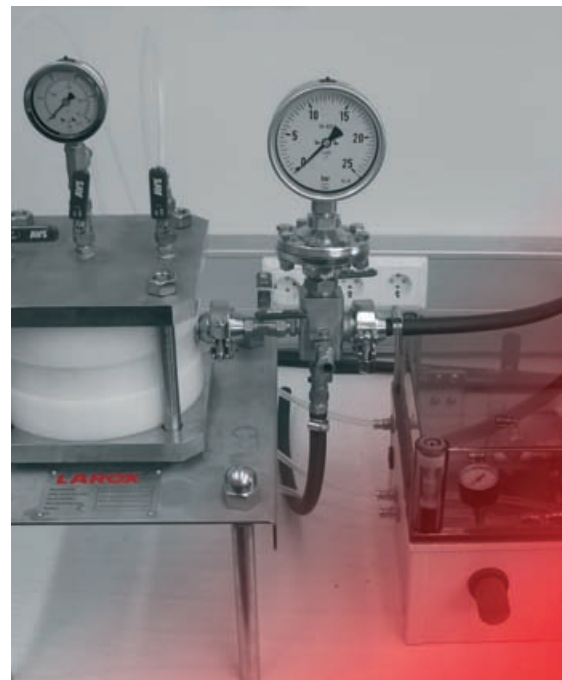
Larox test engineers work closely with the client's personnel to conduct test filtration for full-scale process evaluations on site. Pilot units can be connected directly to the client's filtration process. Larox has a range of pilot filters for pressure, polishing, capillary action vacuum, and vacuum belt filtration to meet all possible process requirements. Pilot testing typically takes place after laboratory scale testing.

Test Reports

Larox testing produces dewatered solids and filtrate samples using slurry obtained directly from the client's process. Larox test reports indicate the most appropriate filter type and potential process improvements. Testing can be conducted at the Larox Research Center or at the client's facilities.

Research

The Larox Research Center evaluates test results and advises test engineers on the best methodology for each process. The Research Center continuously updates the testing equipment to ensure accurate results. It also maintains the Larox Databank, a source of information on over 10 000 filtration tests.



Larox Automation System

With experience in designing fully automatic equipment for over 30 years, Larox is the undisputed leader in filtration automation. The Larox solution today goes far beyond the simple automation of functions.

Complete Filtration Plant Control

The Larox automation system automates, optimizes and visualizes the entire filtration process, allowing filtration plant operators to achieve better filtration performance and cost-efficient operations with minimal intervention.

Larox automation solutions include plant floor level automation for all filter types, as well as corporate-wide visualization, real-time reporting and availability analysis of the filter plant. All Larox automation solutions are based on the same proven architecture with modular functions customized to each installation.

The system provides plant operations, maintenance and management with the data, condition monitoring information, reporting and visualization needed to keep both equipment availability and production costs on target.

Modem or web-based remote support from Larox's experienced local or global service team helps ensure continuous automated operation.

- Fully automated filter plant control
- Electrical and instrumentation engineering
- Process control and optimization
- Real-time data acquisition, analysis and visualization
- Control room, local area network, and web-based reporting
- Seamless integration with office software
- Advanced real-time diagnostics
- Remote access for comprehensive support
- Continuous product improvement during product lifecycle





The Larox Group Advantage

Experience. Technology. Products. Service. People.

Unrivalled Application Experience

With extensive application experience within the industry, Larox provides optimal solutions for clients' filtration needs. From bulk mined products and metal concentrates to metallurgy, the experience of Larox provides the assurance that every application will perform to specification and operate to budget.

Leading Technologies

All Larox members are technology leaders in their own right, with proven track records in translating research and development into solutions that deliver superior process results with increased capacity, system reliability and total cost-efficiency.

World-Class Product Portfolio

Larox brings together the innovative products of Larox, Hoesch, Pannevis, Ceramec and Scheibler. With this extensive range of filtration products, Larox can specify the optimum solution for virtually any mining or metallurgical application. The Larox portfolio extends beyond products to filtration plant design assistance and ancillary selection.

Larox Service - Performance for Life

Larox's global after-sales service ensures continuously high equipment and process performance. Process optimizations, preventive maintenance, operation and maintenance training, total productivity improvement and product-upgrade services are just a few ways in which Larox Service supports clients for the life of their solutions.

Larox People

Larox is built on the expertise, talent and skills of each employee. Many Larox employees have worked in the mining and metallurgical industries and understand their needs. Worldwide, the Larox personnel pool their experience and partner with the Larox clients to develop the optimal solution for their needs.

Further information on Larox and its products, downloadable brochures, data sheets and application case studies are available at www.larox.com and from your nearest Larox representative.

Sisu

People to People Progress



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