

INFORMATION BROCHURE



WASHING **SOLUTIONS**

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INFORMATION BROCHURE





BEYONDINNOVATION

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WASHING SOLUTIONS **INFORMATION BROCHURE**

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LAPAUW THROUGHOUT THE WORLD SHAPING LAUN OVERVIEW **3 POCKET FROM** OPEN POCKET TOPLOADER W MEDIWAVE WA PULLMAN WAS MORE KEY BEN OPTIONS TROLLEY-WASH PRODUCT OVER







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LAPAUW THROUGHOUT THE WORLD

WORLDWIDE LAPAUW FACTORIES, OFFICES AND REPRESENTATIVES

Lapauw has a worldwide network of factories, offices and representatives to serve its customers with the professionalism that is required. All dealers have a warehouse with the most common parts and all spare parts are always on stock at Lapauw for a 24 hr service.

Your closest local Lapauw partner can be found on our website www.lapauw.be





TOTAL LAUNDRY SOLUTIONS

Discover our other solutions in our other brochures respectively. Contact us for more information.





APAUW - SHAPING LAUNDRY TECHNOLOGY

Since the mid 20th century, Lapauw has shaped laundry technology.

Did you know that the flexible chest technology is in fact a Lapauw invention? And the "steamless laundry" concept would not even exist if it wasn't for the gas heated ironers, a technology that saw the light in the Lapauw factory, in 1995. Ever since the very first ironer, in 1950 (with flexible chest), Lapauw has been on the vanguard of laundry technology, as Lapauw always adopted an "out of the box" approach to the specific challenges that come with laundry machinery.

Today, Lapauw manufactures a wide range of laundry equipment :

- Lapauw is one of the few manufacturers of heavy duty washer-extractors.
- Lapauw has the widest range of ironers, all of them equipped with the flexible chest* technology.
- Lapauw complements its ironers with a full range of feeders and folders.
- The Hot Stream tunnel finisher is well reputed for the first class finishing quality it delivers.
- The Lapauw Trolley Washer takes care of trolleys or even disinfects hospital beds.
- Lapauw offers complete tunnel washing solutions, including press and dryers.

But most important of all, owners of the more than 8.000 machines sold in over 40 countries know the Lapauw machines as highly efficient, robust machines that assure the lowest operational cost.

* thin/thick



INNOVATION

Lapauw invests heavily in R&D. The aim is not just to innovate, but to go beyond innovation by creating benefits for the customer. When developing new machines, we care about improving efficiency, ergonomics and environmental footprint.

The R&D team is located in the factory in Kortrijk, where they stay in close contact with the sales and manufacturing teams. This allows them to keep a finger on the pulse of laundry business and maintain a "hands-on" approach to Research and Development.



QUALITY MANAGEMENT

Having obtained the ISO 9001:2015 certificate in 2018, Lapauw is one of the very few laundry machinery manufacturers that can put the ISO seal on its official documents. A seal that is worldwide recognized as a symbol of "business excellence".

With ISO 9001:2015, we go beyond just the quality of the machines and take quality management into the whole process: from the moment we pick up the phone to the after sales and shipments of spare parts, assuring that our customers are served with the highest level of professionalism.



SERVICABILITY

As the Total Cost of Ownership of laundry machines becomes more important, Lapauw goes to great efforts to keep the maintenance and operational costs of the machines to a minimum.

Through our network of distributors and Lapauw offices on every continent, we stay very close to our end users in hotels, hospitals and laundries, assuring them close support and short reaction times.

The simple, robust construction of the machines and the "Open Spare Parts" philosophy assure high reliability rates and minimum maintenance costs.



"BEYOND INNOVATION" THESE 2 WORDS ARE MORE THAN A SLOGAN, AS THEY RETURN TO THE 3 CORNERSTONES OF OUR PHILOSOPHY.

OVERVIEW

FRONTAL WASHER

3 POCKET FRONTAL WASHER EXTRACTOR

The 3-compartment design divides the load into 3 equal, separated compartments, preventing large items from getting entangled. This assures higher operator comfort and faster preparation times at flatwork finishing side. This is the reason why hotel laundries favor the Combi 3-compartment.





PULLMAN

Besides the Mediwave, Lapauw also offers the stainless steel version of the barrier washer: The Pullman. The Lapauw Pullman is our side loaded machine and is available in a wide range and with both 2 or 3 compartments.

This washer is available as either standard version or medical version.

OPEN POCKET WASHER EXTRACTOR

The Lapauw open pocket washer extractor offers you an industrial solution to all your heavy-duty needs. Traditional laundry factories, factories specialized in mat washing and even the stonewash and dyeing industry are well acquainted with the Lapauw open pocket washers. The open pocket washers are frequently used to wash garments and towels as well as the traditional linen.





A top loading washer extractor is much more than just a washer. Thanks to the automatic top loading concept, the Lapauw Top Loading washer extractor can easily be integrated into any automatic washing line with monorail bag system. Moreover, the Top Loading washer extractor adds flexibility and quality to lines where various types of work, soiling and materials are processed, like workwear. The Lapauw Toploader can also be built in as barrier solution.







The Mediwave is the next generation barrier washer, adapted to operate in any environment where the strictest hygienic standards rule, from hospital laundries to cleanrooms.

TROLLEY-WASH

TROLLEY-WASH

Originally designed to disinfect laundry trolleys and hospital beds, the Trolley-Wash has earned its reputation as a universal wash- and disinfection unit. Thanks to an elaborate package of accessories and options, the Trolley-Wash can be adapted to wash and disinfect almost everything, from trolleys to hygienic containers and even gasmasks.





The Mediwave takes barrier washer design to a whole new level.

Thanks to the GRP covers, instead of stainless steel, the Mediwave is the cleanest, most hygienic machine on the market. But cleanliness is not the only thing that Lapauw tackled with the Mediwave. With the redesigned drum access and intuitive control system, the Mediwave is the most ergonomic washer on the market.



WATER RECOVERY

Every Lapauw washer is already prepared for future water recovery when it leaves the factory. Lapauw also offers an extended range of options, from a recuperation pump to connect a central unit to recuperation tanks, mounted on top of the washer.

3 POCKET FRONTAL

OPTIMIZING LAUNDRY EFFICIENCY

Due to the mechanical movement of the drum, sheets get tangled in open pockets, and especially on the large drum volumes. The split pocket washer separates the load in smaller batches, and as a result, the sheets get less entangled. This assures easier unloading and more efficient handling between washer and finishing line.

LARGE DOOR OPENING

With 3.000 to 3.500 cm², the Lapauw 3 pocket washer line offers one of the largest drum access openings for split pocket machines on the market.

This assures a high productivity and an efficient handling of even large volumes of linen. The compartment positions itself automatically to always assure a perfect alignment between the compartment and the outer door.

INNER DOOR SECURITY

A security component is installed to prevent the outer door from being closed when the inner door is not properly shut. This way, it is not possible to start the machine without the doors being properly locked.





BEARING SYSTEM

The drum is held in place by heavy duty roller bearings on the front and back of the machine. The bearings are mounted outside and independently from the drum, avoiding any contact with water and assuring easy maintenance.

UNIQUE SUSPENSION

Instead of resting on shock absorbers, the drum is positioned on the suspension system, which always stabilizes the drum in the middle and assures a natural balance. This durable and easy to maintain system consists of 4 units with springs in an oil bath.



BRAKE SYSTEM

The machine is equipped with two brake systems. One of them is the main brake system used after extraction and the second is a security brake used to avoid movement of the drum during loading and unloading of the machine. The main brake is self aligning and both brakes have an easy replaceable brake strip.

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SINGLE MOTOR DRIVE

SINGLE MOTOR DRIVE

The single motor drive with frequency converter assures high efficiency and an unlimited choice in speeds, even on the largest capacity machines.

HEAVY DUTY

Lapauw washers are built to last. Both the inner and outer drum are made of AISI 304 stainless steel of 4 mm thickness, all with continuous welding. Steel with a thickness of 20 mm is used to construct the front and back of the outer drum, covered by 1 mm stainless steel on the inside.



TECHNICAL SPECIFICATIONS

		C660	C1000	C1600	C2000	C3000	C4000
Loading capacity	kg	60	100	160	200	300	400
Compartments	#	3, Frontal Ioading	3, Frontal Ioading	3, Frontal Ioading	3, Frontal Ioading	3, Frontal loading	3, Frontal Ioading
Drum volume	liter	663	1.061	1.625	2.031	2.944	3.917
Drum diameter	mm	1.300	1.300	1.500	1.500	1.830	1.830
Drum Depth	mm	500	800	920	1.150	1.120	1.490

POSSIBLE VERSIONS

	C660	C1000	C1600	C2000	C3000	C4000
Standard	0	I	I	I	I	I
Medicare			I	I	I	Ø

SOAP DISPENSER UNIT

A composite is used to manufacture the soap dispenser unit that can handle all kinds of liquid and powder products. The dispenser has as standard 5 supply reservoir: 2 for liquid products and 3 for powder products.

On the machine, there is also a central connection point for external liquids that is programmable from the Lapauw PLC (10 digital signals).





OPEN POCKET

THE REAL HEAVY DUTY MACHINE

heavy duty partner. The inner and outer drum are all in stainless steel (AISI 304) the high forces that come with heavy loads, making the Lapauw Open Pocket mats and marquees.



BEARING SYSTEM

points of the shaft, which assures a stable operation and long bearing life cycles.

The bearings are mounted outside and independently from the drum, avoiding any contact with water and assuring easy maintenance.

UNIQUE SUSPENSION

Instead of resting on shock absorbers, the drum is positioned on the suspension system, which always stabilizes the drum in the middle and assures a natural balance. This durable and easy to maintain system consists of 4 units with springs in an oil bath.

LARGE DOOR WITH PNEUMATIC OPENING (OPTION)

The drum is held in place by heavy duty roller bearings on 2 The door opening on the Lapauw Open Pocket washers is big, assuring unlimited access to the drum.

> The pneumatic system assures that the door fully opens and is held in an open position.

SINGLE DRIVE MOTOR

The single motor drive with frequency converter assures high efficiency and an unlimited choice in speeds, even on the largest capacity machines.

ALSO AVAILABLE IN STONEWASH AND DYEING VERSION

Thanks to its robustness, the Lapauw washer extractor is well known to the stonewash and dyeing industry.



CONSISTENT TILTING

available with optional one way forward tilting or two way forward and backward tilting. The integral system allows the machine to tilt 12° backwards and 19° forward, for easy loading and unloading.



The Lapauw Open Pocket is your perfect heavy duty partner, for washing mats for example.

TOPLOADER

TECHNICAL SPECIFICATIONS

		C1001	C1201	C1601	C2201	C3301	C3501	C5001
Loading capacity	kg	100	120	160	220	330	350	500
Tilting	-	Option	forward & backward					
Drum volume	liter	1.061	1.194	1.606	2.206	3.301	3.542	4.959
Drum diameter	mm	1.300	1.300	1.460	1.660	1.900	1.900	1.900
Drum depth	mm	800	900	960	1.020	1.165	1.250	1.750

POSSIBLE VERSIONS

	C1001	C1201	C1601	C2201	C3301	C3501	C5001
Fixed				S	>		S
Front tilt	O		Ø	S	o	Ø	S
Barrier	8		Ø	S	8	Θ	8
Front tilt	O	O	O	O	Ø	Ø	O
Two way tilt	8		Ø	S	Ø	Ø	I
Toploading	8	I	I	S	8	•	8

WIDE RANGE

From 120 kg up to 220 kg washing capacity, Lapauw offers the top loading washer extractor in a very wide range.

AN ADDITION TO TODAY'S LAUNDRY

The Lapauw Toploader washer extractor is much more than just a washer. Thanks to the automatic toploading concept, the Lapauw Toploader washer extractor can be integrated into any automatic washing line with a monorail bag system. Moreover, the Toploader washer extractor adds flexibility and quality to lines where various types of work, soiling and materials are processed, like workwear.

A HYGIENIC BARRIER SOLUTION

With automatic toploading and tilt-unloading, the Lapauw Toploader washer is the hygienic solution for Open Pocket washers.

TECHNICAL SPECIFICATIONS

		C1206	C1606	C2206
Loading capacity	kg	120	160	220
Tilting	19°	forward	forward	forward
Drum volume	liter	1.200	1.600	2.200
Drum diameter	mm	1.300	1.460	1.660
Drum depth	mm	900	960	1.020







PROVEN TECHNOLOGY

The Toploader is everything except unknown terrain. We combined well known and proven technology: the framework of the Open Pocket Washer Extractor, with the inner door of the Pullman Washer Extractor, a combination that always works flawlessly.

FLEXIBLE AUTOMATION

With the bag loading system and the tilting system, the Lapauw Toploader is capable of operating fully automatic.

WASHER EXTRACTORS

Pat.no 9,783,919

CLEANROOM ON THE NEXT LEVEL

The Mediwave takes barrier washer design to a whole new level. Thanks to the GRP covers, instead of stainless steel, the Mediwave is the cleanest, most hygienic machine on the market. But cleanliness is not the only thing that Lapauw achieved with the Mediwave. With the redesigned drum access and intuitive control system, the Mediwave is the most ergonomic washer on the market.

GRP - THE NEXT LEVEL IN HYGIENE

The Lapauw Mediwave is the first industrial barrier washer on the market that uses Glass fiber Reinforced Polymer (GRP) for the front and back cover, a high quality material known for it's excellent hygienic properties.

- absence of seams and sharp angles mean dirt and bacteria build up is impossible.
- GRP is chemically inert, thus very easy to clean and corrosion free, no matter what detergent is used.
- The white paint used on the GRP covers is enhanced with an anti-bacterial substance, titanium dioxide, giving the GRP covers self-cleaning properties.

FROM HOSPITAL LAUNDRY TO CLEAN ROOM

The GRP covers assure that the Mediwave can be used in even the strictest environments but this machine takes hygiene further than the surface. We offer a whole range of accessories and options to meet your requirements and demands concering hygiene and cleanliness. From plugs to take sample water or connect a PH-measurement system to an air tight seal and over pressure connection, that is required in clean room environments. Where hygiene and cleanliness are involved, traceability is very important. The Siemens microprocessor control system allows you to log and store all relevant parameters per individual washing cycle, from temperatures to water levels and cycle times. The Lapauw Mediwave also has a built-in LED signalization. This versatile LED unit allows the Mediwave to go beyond just

OPTIMIZING EFFICIENCY

In today's laundry, energy and operational efficiency are paramount. The Mediwave offers an extended range of features to increase efficiency in key points :

- The specially shaped drum and carefully located soap injection system in the drum assure optimal distribution of the detergents in the bath.
- The drum is suspended in high mounted, pneumatic shockabsorbers, allowing the drum to rest in a natural balanced position and, thus, minimizing unbalances.
- The dynamic water level measuring system, combined with the automatic weighing system (option) provides optimal control of the water consumption, detergents and even the residual moisture.



(Top) Pneumatic shock-absorber (Middle) LED-unit on the mediwave (Bottom) Ergonomics is an important part of the machine.

TRACEABILITY

The Lapauw Mediwave also has a built-in LED signalization. This versatile LED unit allows the Mediwave to go beyond just indicating whether its working or not but is able to represent its full status.



WASHER EXTRACTORS PULLMAN

CLASSIC STAINLESS STEEL VERSION OF THE MEDIWAVE: LAPAUW PULLMAN



LAPAUW PULLMAN RANGE COVERS CAPACITY DEMAND

From 60 kg up to 260 kg. With this vast range, Lapauw offers a hygienic barrier solution for every customer, whether it's a private clinic or a large hospital laundry.

2 POCKET AND 3 POCKET VERSIONS: ANY TYPE OF APPLICATION POSSIBLE

The Lapauw Pullman range is available in 2 and 3 pocket versions, assuring you the best solution for any application. 3 pockets offers efficiency and ease for large flatwork like sheets. The 2 pocket drum provides private hospitals and health resorts with the optimal solution to treat a wide range of items, from sheets to the residents private wash.

TECHNICAL SPECIFICATIONS

		Mediwave										
		Pullman	Pullman									
		C600	C800	C1100	C1600	C2000						
Loading capacity	kg	60	80	110	160	200						
Compart- ments	#	2 or 3	2 or 3	2 or 3	3	3						
Drum volume	liter	604	787	1.135	1.595	1.946						
Drum diameter	mm	1.080	1.080	1.080	1.250	1.350						
Drum depth	mm	660	860	1.240	1.300	1.360						



Pullman machines in laundry Prisma in Belgium

MORE KEY BENEFITS

OPTIONS

USERFRIENDLY CONTROL UNIT

INTUITIVE SYSTEM

The intuitive system eases up programming and setting up the washing programs for the operator.

MAXIMUM FLEXIBILITY

The unit has room for up to 50 programs of 30 steps each. This is more than enough room for all your washing programs, but also offering you maximal flexibility to create the optimal washing conditions, including intermediate extraction.

FLEXI-SPEED: OPTIMAL SPEED SETTINGS

The drive system, with frequency controlled drive motor, offers you full control over the wash-, rinse- and extraction speeds.

MAINTING THE LOWEST TOTAL COST OF OWNERSHIP

Total Cost of Ownership (TCO) or how Lapauw helps you to keep your revenues high.

Nowadays, investing in laundry machinery involves a lot more than just the purchase price. As the machine must make money in a very competitive business, The TCO has gained in importance.

We, from Lapauw, invest a lot to offer our customers machines that keep the TCO to an absolute minimum. To achieve this, we have 3 programs:

- Constant product innovation: One of the main points where money can be saved or won is with machine efficiency. This can only be achieved through constant innovation, something that Lapauw invests heavily in.
- Low maintenance machines: Accessibility and ease of maintenance are key words in reducing operational costs. So Lapauw is dedicated to simplify machine construction.
- Last but not least, Lapauw maintains an 'open spare parts philosophy'. Spare parts can be extremely expensive, especially when spare parts are shielded and can only be purchased from the machine manufacturer only. Lapauw provides full transparency, allowing the customer the freedom to buy his spare parts where he gets the best conditions. Nevertheless, we maintain an elaborate stock of the most common spare parts.

Contact us or one of our distributors when you want more info.



AUTOMATIC WEIGHING SYSTEM

With the automatic weighing system, you automatically and precisely adapt the precise amounts of water, steam and detergents. It even also allows you to control the residual moisture. (Only for Mediwave)

ADDITIONAL WATER INLET VALVE

Each Lapauw washer extractor is equipped with 2 water inlet valves. A third water inlet valve can be added.

AUTOMATIC DOORS ON MEDIWAVE

This option allows you to open the outer doors of the Mediwave with a simple push of the button.

USAGE OF OZONE

Ozone not only disinfects, but it also reduces energy consumptions because it enhances the washing performance of the detergents.

WATER FLOW METER

The water flow meter allows you to control the water consumption with pinpoint accuracy.

SECOND SCREEN ON MEDIWAVE

WATER RECOVERY

Lapauw offers an extensive range of water recovery features on its washer extractors.

Every lapauw washer leaves the factory with a water recovery plug that is mounted on the drain, allowing the washer to be connected to any water recovery system, whether it is new or existing. Optional custom built water recovery tanks allow you to equip your Lapauw washer extractor with a stand-alone water recovery system, even when your machine is already in operation.

The microprocessor controller already has the necessary parameter sets to program and manage the recuperation process.



C1000

TROLLEY-WASH

DESIGNED FOR HYGIENE

Not only is the machine constructed entirely of stainless steel, it is also prepared for integration in a hygienic barrier wall. The Trolley-Wash is standard equipped with a double sided entry/exit. An interlock system prevents both doors from being opened at the same time.

DRY TO THE TOUCH

In hygienic environments, dryness is a requirement, as moist surfaces promote germ growth. The Lapauw Trolley-Wash has everything in place to assure the trolleys are dry when they leave the cabin. For instance: controlled bursts of compressed air during the drying cycle help to remove the superfluous water. A built in tilting mechanism allows the Trolley-Wash to tilt the trolleys 3° towards the drain to evacuate water from horizontal surfaces.

FULL DISINFECTION

Whoever says hygiene, says disinfection.

Next to a chemical disinfection (adding disinfectants to the washing cycle), the drying cycle also allows you to perform a thermal disinfection by heating the cabin with steam (fully programmable in time and temperature). These functions make the Trolley Wash the optimal choice when it comes down to hygiene.





TRACEABILITY

The PLC control system allows the user to create different programs while offering full traceability of the entire process. The PLC system has a large, full colour touch screen. This allows the user an "on-the-spot" follow-up of the cycles. Moreover, the PLC stores the data of every washing cycle, allowing the user to issue a cleaning and disinfection report if necessary.

CLEANING CYCLE

Similar to the Lapauw washer extractors, you can choose between different cleaning cycles when operating the Trolley-Wash. Next to a wash cycle, there's also a rinse and a dry cycle. The total cycle time can be controlled through the drying cycle.

PLC CONTROL SYSTEM

The PLC control system allows you to create different programs. A multicolour, LCD touch-screen provides optimal programming conditions and follow-up. An optional small screen at the clean side allows the operator at this side to follow the process as well.

TECHNICAL SPECIFICATIONS

	1/A	1/B	1	2	3	4
Inner length (mm)	1.440	1.950	2.750	3.750	4.500	5.620
Max. entry door (mm)	1.100 x 1.880					

LAPAUW **PRODUCT OVERVIEW**

CONVENTIONAL AND CART WASHING SOLUTIONS

3 POCKET

WASHER

EXTRACTOR





60, 100, 120, 160, 200,

300 kg with frontal

loading.



60, 100, 160, 200, 300. 400 kg with frontal loading.



MEDIWAVE

WASHER

EXTRACTOR



40, 60, 80, 110, 160, 200.260 kg with side loading. Barrier Washer.

PULLMAN

WASHER

EXTRACTOR

TOPLOADER

WASHER

EXTRACTOR

unloading.

120, 160, 200 kg with Disinfection, washing toploading & frontal & drying. Multiple executions possible.

TROLLEY-WASH

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UNIFOLD

Universal folder with 2 to 3

primary folds by air and 2

to 3 cross folds by knife in

multiple lanes with drop

stacker

STARFOLD





Cos effective folder with 2 to 3 primary folds by air in multiple lanes. The ideal single roll folder.

STACK&FOLD

Small piece folding &

stacking, in multiple

stacking.

lanes. One cross fold +

FOLDPRO



Flexible folder which folds, sorts, stacks and counts all kinds of towels.

TUNNEL WASHING SOLUTIONS



GARMENT SOLUTIONS



HOT STREAM TUNNEL FINISHER

Available in Mono & Duo, both gas or steam heated.

- Mono: T1 T6: 150 1000 items/hour.
- Duo: T2 T6: 750 2000 items/hour.

CONVEYOR SYSTEM

Ultra compact and flexible garment handling system with capacity up to 2000 items/hour. Endless chain system transports garments shoulder-to-shoulder.

GARMENT FOLDER

Garment folder with capacity of 800 items/hour and one primary fold & 2 cross folds. Modular robotic system which handles any type of hanger available.



40, 50, 60, 75, 100, 120 kg batch sizes with different sizes of dryers and presses up to





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MEDISTREAM

designed and approved for cleanroom use. The MediStream is the perfect complement to our world-renowned MediWave.



MEDIWAVE

The world's first dryer specifically Pass-through split-pocket washerextractor for use in ISO-certified cleanrooms. Ergonomic design with glass-reinforced polymer exoskeleton for the highest level of hygiene.



Construction of a Toploader in the Lapauw factory in Heule, Belgium

BEYONDINNOVATION



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