



Laundry Machines
for any use



AQUASTAR
LAUNDRY SOLUTIONS

Pass Thru Washer Extractor - LBS Series

BARRIER DESIGN - ASEPTIC MACHINES

HOW TO SAFELY HANDLE LINEN IN HOSPITALS

After a deep investigation carried out in Hospitals experts have realized that quite frequently infections were transmitted because of bad-hygiene of the linen : it has been estimated that 16 /18% of nosocomial infections are due to poor hygiene in laundering. Best system to wash and treat linen is with water washing machines but main problem is how to handle dirty and infected linen and how to separate them from those which have already been treated and disinfected. This brought to an accurate and careful projecting job : objective was to design a machine suitable to wash and hygienize all kind of linen used in hospitals, clinics, rest homes a.s.o.

As result , since year 1984 , AQUASTAR **LBS Series** washing machines have been realized to reduce the risk of spreading nosocomial infections during laundering. Optimal sanitation is ensured by a dual door design separated by a sanitized partition. Disinfected laundry never comes in contact with soiled contaminated laundry. Correct installation must be done placing the machine through a wall.

This allows the operator to introduce the contaminated and dirty linen from where it does not exist any possibility of contact with the clean linen. At the end of the washing cycle the unloading phase of the clean and sterilized linen is performed by the opposite side of the wall through the opening of a second door.

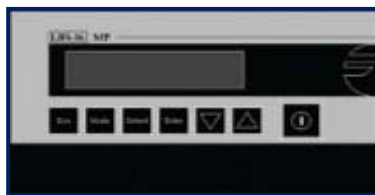
During this phase a safety device keeps closed the loading door , allowing the unloading of the basket in all safety and in a non contaminated area. The **LBS Series** machines are countersigned by a solid and strong construction and by a great facility of use. The system of vectorial squares suspensions and the use of inverter transmission allows great stability during the extraction phase which reaches the **900** or **1000** rpm according to the capacity : this drastically reduces the transmission of vibrations to the ground and Consequently the noise level



Loading Side



Unloading Side



COMPUTER MPP – All operations are performed through the microprocessor computer **MPP**. Endowed with 5 programs already memorized it has the possibility to memorize other 25 programs, directly on the same computer or through an external PC. Programming and consultation of the programs is very simple. The display shows all operations while running and the remaining time of the washing cycle.



BASKET – The design and the big dimensions of the basket allow to reduce water and energy consumption , permit to reach a good filling ratio and an excellent washing quality which can be performed by introducing in the machine detergents, disinfectants and sterilizes, either as liquid or dust.

The doors with big dimensions and their wide length allow very fast loading and unloading phases.

The **LBS Series** is also fitted with an automatic locking system of the basket during the loading and unloading phase of the linen.

Doors are protected by an electromagnetic locking system which does not allow the opening during the operation.

The positioning of the basket is automatic and changes if you are opening the door used for the dirty or for the clean linen.

Thanks to the good positioning of the components , maintenance is very easy to be carried out.

Serie: LBS - MP

DRUM		LBS 16	LBS 22	LBS 33	LBS 50	LBS 66	LBS 100
Load capacity	Kg	16	22	33	50	66	100
Basket volume	Lt	158	220	329	489	667	1000
Basket diameter	∅	633	633	800	800	800	1180
Basket lenght	mm	500	700	654	974	1347	1032
Nmber of pockets	Nr	1	1	1	1	2	2
Door opening	mm	400x310	400x310	400x310	450x310	450x310	500x900
Loading height	mm	670	670	750	750	750	960
Basket construction	Inox	Aisi 304L	Aisi 304L	Aisi 304L	Aisi 304L	Aisi 304L	Aisi 304L
Drum construction	Inox	Aisi 304L	Aisi 304L	Aisi 304L	Aisi 304L	Aisi 304L	Aisi 304L
Washing speed	G/min	50	50	50	50	50	50
Extraction speed	G/min	1000	1000	1000	900	900	750
G Factor		361	361	440	360	360	300
Calorific release	Kw	1,8	1,8	3,1	4,15	5,05	8
Noise level	Db	65	65	65	65	65	65

ELECTRIC Heating

Electric power	Kw	12	18	27	36	45	75
Electrical consumption	Kw/h	9,6	13	12,4	16,6	20,2	36

STEAM Heating

Total power in Steam version	Kw	2,2	2,2	4	5,5	5,5	15
Steam working pressure	Bar	2 ÷ 5	2 ÷ 5	6 ÷ 10	6 ÷ 10	6 ÷ 10	6 ÷ 10
Steam consumption	Kg/h	16,5	16,5	26	40	60	70

CONNECTIONS

Drain water	Kw	2,2	2,2	4	5,5	7,5	15
Inlet water	Kw	12	18	27	36	45	75
Water pression	Kw	14,2	20,2	31	41,5	52,5	90
Inlet steam (only for steam version)	Kw	2,2	2,2	4	5,5	7,5	15
WATER Consumption	Kw	2,2	2,2	4	5,5	7,5	15

Prewash							
Wash	∅	3"	3"	3"	3"	3"	3"
Rinsing	∅	3/4"	3/4"	3/4"	1"	1"	1"
Complete cycle	Bar	2 ÷ 4	2 ÷ 4	2 ÷ 4	2 ÷ 4	2 ÷ 4	2 ÷ 4
Liters by Kg	∅	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"

MACHINE DIMENSIONS

Front	mm	980	1180	1276	1596	1949	1680
Depth	mm	910	910	1056	1056	1056	1345
Height	mm	1400	1400	1580	1660	1660	2000
Net weight	Kg	438	471	748	1056	1233	1800

DIMENSIONS with PACKING

Front	mm	1072	1262	1452	1752	2102	1800
Depth	mm	1102	1102	1222	1222	1222	1500
Height	mm	1394	1394	1694	1694	1694	2100
Net weight	Kg	459	494	780	1090	1275	1950
Volume	mt3	1,65	1,94	3,01	3,63	4,35	5,67