

Sales guide

Mid-size barrier washer-extractors

SMB 360 – 500 – 700



SMB360-500

SMB700

Introducing new barrier-washers

SMB360-500-700



SMB360-500



SMB700

- Sleek, modern & ergonomic design
- Operator centric approach: optimized to minimize movements and strength usage.
- More compact model with increased capacity

Dimensions		SMB360	SMB500	SMB700
H x W x D	(mm)	1700 x 1270 x 980	1700 x 1566 x 980	1700 x 2032 x 980
H x W x D - crate	(mm)	2005 x 1530 x 1255	2005 x 1830 x 1195	2005 x 2290 x 1195
Weight - net	(kg)	960	1130	1310
Weight - crate	(kg)	1090	1280	1470

General Specifications

		SMB360	SMB500	SMB700
Drum capacity	(l)	360	500	700
	(kg) 1:10	36	50	70
	(lb) 1:10	79	110	154
G factor		350		

Customer centric design



Our new machines have been **designed to perfectly fit the latest healthcare standards** and **ensure 30,000 cycles' lifespan**.



Answering projects requests, we now offer up to **13% more capacity with 25% less space needed** - keeping Speed Queen ahead of the competition.



To enhance operator's comfort, our barrier washers now require **less strength** to operate and are designed **for operators who are 163cm** (world height average).



More flexibility thanks to a **freely programmable timer**.

The Expert's Words

"What are the most important innovations that our new barriers bring in?"



Mirek Zajic
Product Manager

1. **Long life span**
Projected with a minimum of 30.000 cycles.
2. **Focus on ergonomics and design**
Our 3 SMB now have the same height of door, control, drain
3. **25% smaller footprint**
 - Greater output per sqm which allows more machines in the same laundry;
 - Easier and cheaper transport
4. **New attractive capacities**
 - Bigger than current line with less direct competition.
 - Better productivity per sqm.
5. **Convenient programmer**
Free programmable timer by USB, laptop or controller; connectivity with LMS software
6. **Optimized drain**
 - Standard two drain valves (2x 3") downward
 - Optionally to left side (lateral)

New Industrial Design

SMB360 – 500 - 700

Bottom front panel	Stainless Steel
Upper front panel	Black
Central panel	Black nonflammable textile
Bottom legs	Stainless Steel
Upper legs	Black painted
Side panel	Stainless Steel
Door / Hinges	Ornamental black
Special versions	Clean room, Pullman



Best Capacity On The Market

New generation	(liters)	360 (+8,4%)	500 (+13,1%)	700 (+5,6%)
Current generation	(liters)	332	442	663

SB335 (33kg / 73lb) => SMB360 (36kg / 79lb)

SB442 (44kg / 97lb) => SMB500 (50kg / 110lb)

SB663 (66kg / 146lb) => SMB700 (70kg / 154lb)

	Category 36kg / 79lb	Category 50kg / 110lb	Category 70kg / 154 lb
Speen Queen	36 kg / 79 lb	50 kg / 110 lb	70 kg / 154 lb
Electrolux	35 kg / 77 lb	45 kg / 99 lb	65 kg / 143 lb
Girbau	36 kg / 79 lb	45 kg / 99 lb	63 kg / 139 lb
Miele	32 kg / 71 lb	n/a	n/a

Our new barriers machine offer now the highest capacity on mid-size models.

Comparison – productivity per m²

FOOTPRINT		Category 32-36 kg	Category 45 – 50kg	Category 63-70kg
SMB line (W x D)	M ²	1,25	1,54	1,99
Electrolux	M ²	1,35	1,75	1,96
Girbau	M ²	1,60	1,84	2,35
Miele	M ²	1,72	n/a	n/a
Danube	M ²	1,37	1,70	2,08
Krebe Tippo	M ²	1,42	1,76	2,80
Image	M ²	1,91	2,14	2,58
SB line	M ²	1,50	1,88	2,53
		Ø – 0,31 m ²	Ø – 0,30/m ²	Ø – 0,34 m ²

PRODUCTIVITY		Category 32-36 kg	Category 45 – 50kg	Category 63-70kg
SMB line (W x D)	KG/M ²	28,8	32,5	35,2
Electrolux	KG/M ²	25,9	28,6	1,96
Girbau	KG/M ²	22,5	24,5	26,8
Miele	KG/M ²	18,6	n/a	n/a
Danube	KG/M ²	24,1	28,8	32,2
Krebe Tippo	KG/M ²	24,7	25,6	25,0
Image	KG/M ²	19,0	21,2	27,2
SB line	KG/M ²	22,0	23,4	26,1
		Ø + 6,3 kg/m ²	Ø + 6,8 kg/m ²	Ø + 6,5 kg/m ²

Drum Configuration



SMB360-500



SMB360-500
Pullman

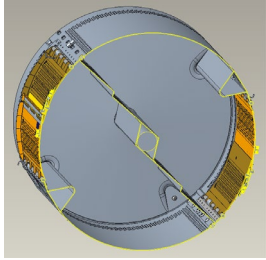


SMB700

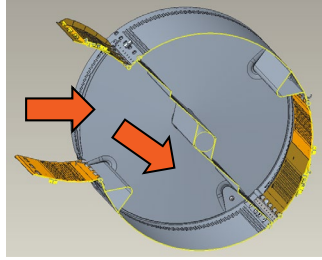
		SMB360	SMB500	SMB700
Diameter	(mm)	775		
Depth	(mm)	764	1060	1484
Drum capacity	(l)	360,4	500	700
	(kg) 1:10 INT	36	50	70
	(lb) 1:10 INT	79	110	154
	(lb) NA	TBD	TBD	TBD
Perforation	(mm)	5		
Baffles		5 (2 for Pullman)		
Pockets	Standard version	1	1	1+1
	Pullman version	2	2	n/a

SMB 360-500 Pullman model

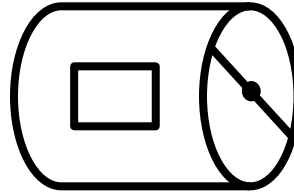
Soiled side



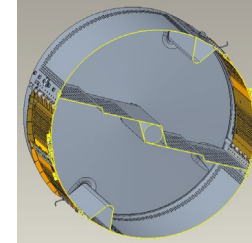
Soiled side (drum position)



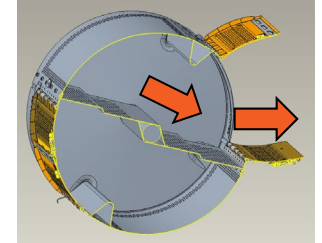
Soiled side (loading)



Clean side



Clean side (drum position)



Clean side (unloading)

Extras:

- Pullman (2 pocket) reinforced drum
- Shaft axially through the drum
- Special blocking disc for pulley (positioning system)

Advantage:

Washed linen slips nicely towards operator => easier unloading

More compact and lighter

Up to 25% smaller footprint,
standardized dimensions for
operators

Dimensions	Unit	SMB360	500	700
SMB models (HxWxD)	(mm)	1700 x 1270 x 980 W: -20% D: -8%	1700 x 1566 x 980 D: -6%	1700 x 2032 x 980 W: -6% D: -16%
SB models	(mm)	1600x1560x1060	1650x1560x1060	1650x2160x1170
Footprint	%	-25%	-7%	-21%

and 4% lighter,
reducing shipping costs.

Weight	Unit	SMB360	500	700
SMB models	(kg)	960 -4%	1130	1310 -4%
SB models	(mm)	1000	1140	1360



Design & ergonomics

All inlets positioned on top

(3x water, 1x steam, 13x liquid soap, 4x greasing)

Operators are not in contact with hoses = better work environment.

Better use of space

Vertical outer door opening with angle 155°

- Full access to the drum opening for loading & unloading easier handling with the linen.
- Door handle can be reached by even by 163cm tall operator (world's female height average)

Newly designed shape of handles
for perfect grasp user friendly

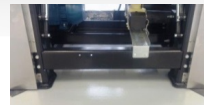


Ideal height for trolleys
Enables easy access with trolleys for linen

850 mm



New inner frame ready for transpallet
Easy transport & installation



Programmer can be tilted

to service position. Easy access for technicians

1530 mm



Ergonomic good position for reading & manipulating the control

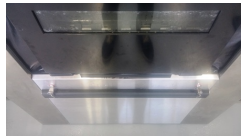
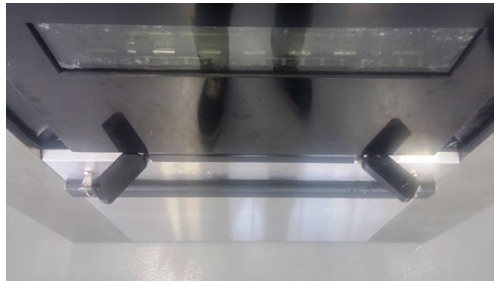
Beneficial for any human height, user friendly position regardless height of customers



Usage made easy

New ergonomic outer door handle

For the user to get visible control of the proper closing and good grasp on the handle



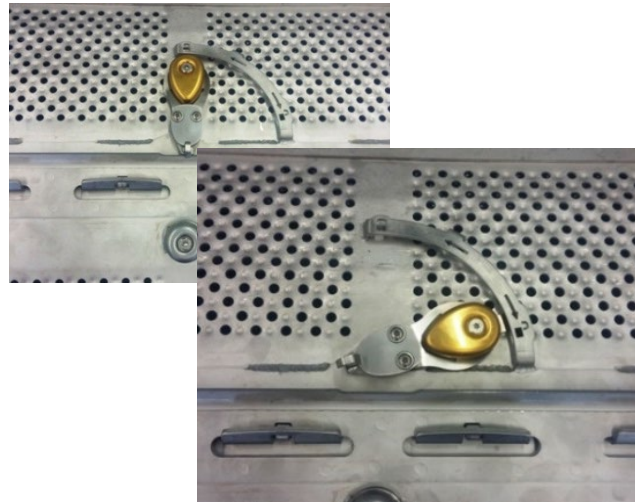
Current doors



Redesigned handle

Patented inner door lock mechanism

To provide more safety to the operator & easier the opening

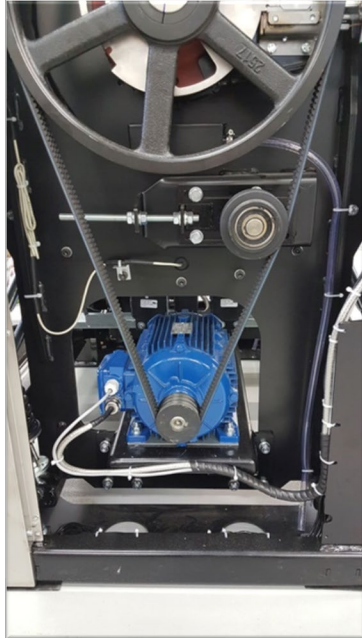


Door Opening angle 155°

To facilitate the loading and unloading



Optimised Motor and Voltage



Available voltage:

- 200-240V 50/60Hz 3ph
- 380-415V 50/60Hz 3ph
- 440-480V 50/60Hz 3ph

+ 6 kW for SMB700
vs. current SMB663

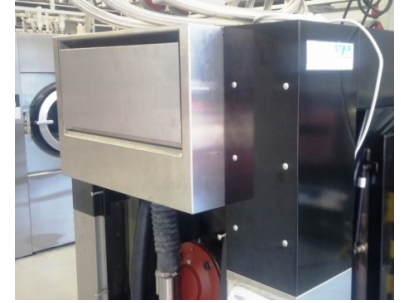
			SMB360	SMB500	SMB700
Motor	Power	(kW)	4	7,5	
	G factor - max		350		
	Wash - default	(rpm)	41		
	Extraction - default	(rpm)	900		

New Dosing - Powder

- New system with magnets makes opening/closing easier
- Soap hopper as standard
- 5 compartments (plastic cups – 1 liter each)
- Positioned on left hand side of the machine (soiled)
- High grade stainless steel 316
- Safety switch included

Option:

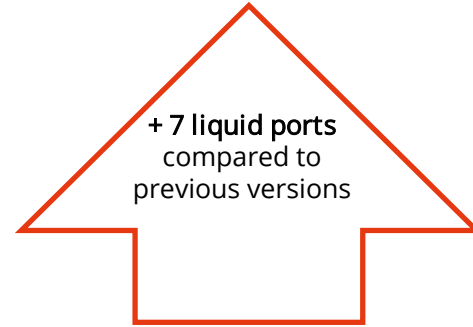
- Version without soap hopper



Optimised dosing – liquid ports



Location of the Liquid soap print



- New mixer
- 13 ports (3 diameters) as standard
- Connection from top of the machine
- Liquid soap print as standard

Optimised Water Inlets

3x

Brass water inlets as standard

1"

Size of water connection

1-8

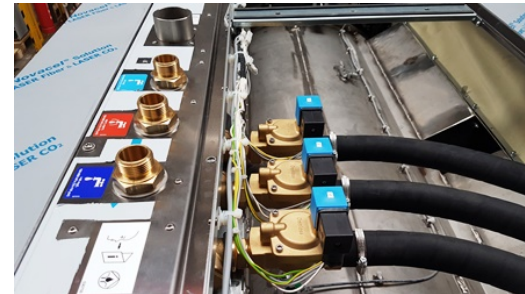
Water pressure in bars

183 L
518 L

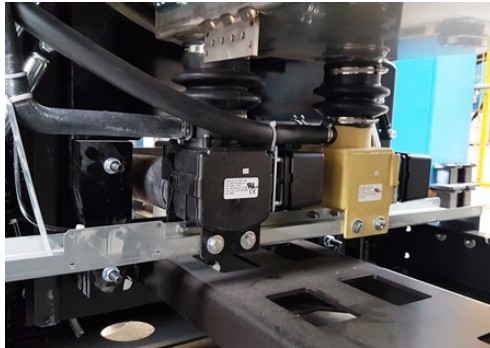
Min and max flow of water per minute

Options:

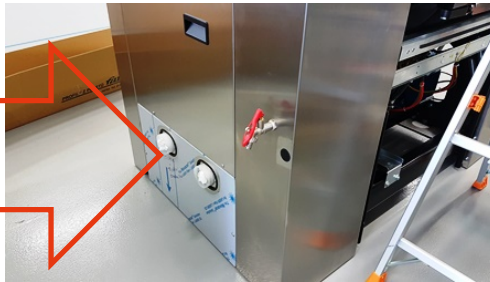
- Only 2 water inlets
- Air-operated type of water valves



Drain



Water recycling type of drain (yellow)



Two drain valves
reducing cycle
time

Optional lateral drain with water sample tap



2 drain valves as standard



Size of drain connection (76 mm)



Downward as standard (to the ground)



Drain flow per minute

Options:

- Second drain valve can be optionally selected with function for water reuse
- Drain to left side (lateral) – from soiled side

Programmer QED Select



- Free programmable timer by USB, laptop or controller
- 20 Pre-set programs
- Memory up to 60 programs
- Green background color
- Capital font characters
- Easy access - can be easily tilted to service position without the need of opening the machine.
- Display at clean side optional

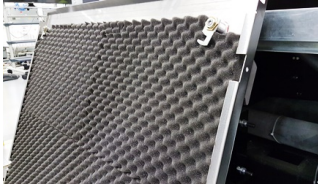


** From the board an extension cable links to the side of the machine*

Program library

No.	Name	Temp. °C	Description	Prewash	Rinses
1	Hot wash - Intensive	90	Normally to heavily soiled laundry. Good temperature for white and light coloured cotton, such as bed linen	Yes	3
2	Warm wash - Intensive	60	Normally soiled laundry. Good for clothes worn next to skin	Yes	3
3	Color wash - Intensive	40	Normally soiled laundry, whites and colors	Yes	3
4	Bright - Intensive	30	For delicate blended materials and permanent press cotton. Suitable for shirts and blouses	No	3
5	Woolens	15	A gentle laundry program for wool, silk and garments that should be washed by hand. Short spin	No	3
6	Hot wash - Standard	90	Normally to heavy soiled laundry with less water consumption	No	3
7	Warm wash - Standard	60	Normally soiled laundry with less consumption	No	3
8	Color - Standard	40	Normally soiled laundry, whites and colors. With less water consumption	No	3
9	Bright - Standard	30	For delicate blended materials and permanent press cotton. Suitable for shirts and blouses. With less water consumption	No	3
10	Eco hot	90	Ecology program for normal to heavy soiled laundry	No	2
11	Eco warm	60	Ecology program for normal soiled laundry	No	2
12	Eco color	40	Ecology program for normal soiled laundry, whites and colors	No	2
13	Eco bright	30	Ecology program for delicate blended materials and permanent press cotton. Suitable for shirts and blouses	No	2
14	Low spin - Extraction		Suitable for laundry that just needs to be dampened	No	1
15	High spin - Extraction		Suitable for laundry that just needs to be dampened	No	1
16-20	Special		Special programmes for sport garments, jeans, mops, etc		

Options Available (Only selected options)



Isolation for energy and heat reduction

Reduction of noise and heat dissipation to laundry room



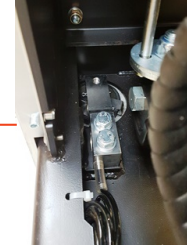
Water sample tap

Water sampling for titration



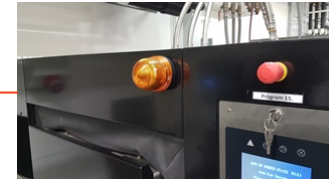
Extra signalization (Traffic light + horn)*

Additional audio and detailed visual signalization of end of cycle



Weighing system by cells

Automatic water and liquid detergent adjustment according to measured load



Extra signalization (Orange light + horn)*

Additional audio and visual signalization of end of cycle

** Can be ordered either for only one side or for both sides*

Options Available (Only selected options)



Lateral drain

Version with drainage direction to a left side

Second display

Display showing brief info on a clean side

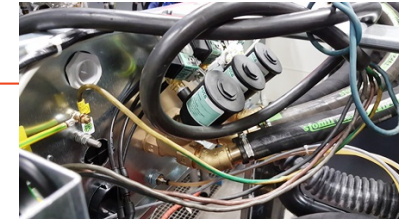


Version without the soap box

Version for installations using merely automatic liquid design systems

Air-operated water inlets

- Faster water fill shortens complete wash cycle
- Longer life span



Front door only version

- For a need of loading & unloading on the same side
- Switchable software function (physically are door on both sides)

** Can be ordered either for only one side or for both sides*

Clean room segment

- Specifications:**

Cleanroom has a controlled level of tainting that is indicated by the quantity of particles per cubic meter at a predetermined molecule measure"¹

- Market:**

Practically in every industry where small particles can affect the manufacturing process

- ISO 16644-1 and ISO 14698:**

Non-governmental standards bringing classes divided per max particles/m³, where ISO class 9 represents regular urban condition (cca 35 mil particles in the size range $\geq 0.5 \mu\text{m}$ per each m³) to ISO 1 as the most stringent class (limit only 10 particles $\geq 0.1 \mu\text{m}$ per each m³)

Class	Machine particles/m ³						FED STD 209E equivalent
	$\geq 0,1 \mu\text{m}$	$\geq 0,2 \mu\text{m}$	$\geq 0,3 \mu\text{m}$	$\geq 0,5 \mu\text{m}$	$\geq 1 \mu\text{m}$	$\geq 5 \mu\text{m}$	
ISO 1	10	2					
ISO 2	100	24	10	4			
ISO 3	1,000	237	102	35	8		Class 1
ISO 4	10,000	2,370	1,020	352	83		Class 10
ISO 5	100,000	23,700	10,200	3,520	832	29	Class 100
ISO 6	1,000,000	237,000	102,000	35,200	8,320	293	Class 1,000
ISO 7				352,000	83,200	2,930	Class 10,000
ISO 8				3,520,000	832,000	29,300	Class 100,00
ISO 9				35,200,000	8,320,000	293,000	Room air

Active manufacturers**:

- ALS SMB360
- Elux: WSB4250-4350-4500-4650 (incl WPB Pullman version)
- Kannegiesser: Favorit HighClean (38-154 kg)
- Krebe: yes (AISI316 on all models)
- Danube: 16-22-35-50-66 – CLEANMEDII16-22-35-50-66
- Lapauw: Mediwave 60-80-110 kg

SMB360 Clean room

Capacity: 360 Liters (36kg / 79lb)

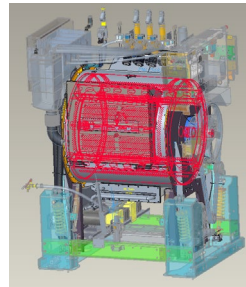
Clean room level: ISO class 5

Modified part from standard version:

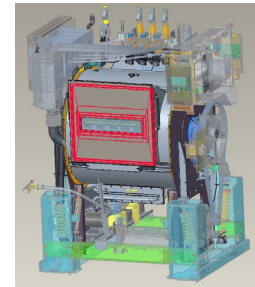
- Drum -> higher grade of stainless steel (AISI316L)
- Tub -> AISI316L
- Drain valve -> AISI316L
- Outer door -> AISI316L
- Indirect steam heating or Electric with Prep for steam
- Additional 3way ventilation of machine

Installed machines:

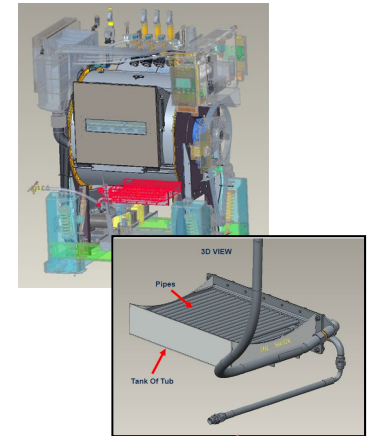
- 2x SMB360 in Belgium



316L drum



316L outer door

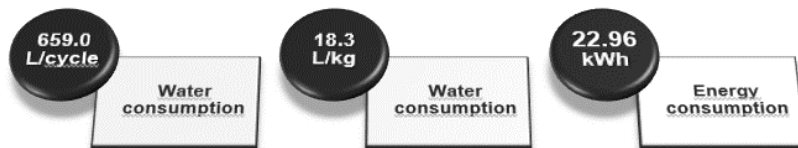


Indirect steam

Consumptions SMB 360 – electric heat

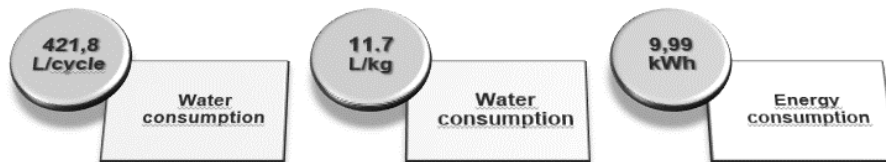
Program no. 1:

- Intensive
- 90°C
- With prewash, 3 rinses



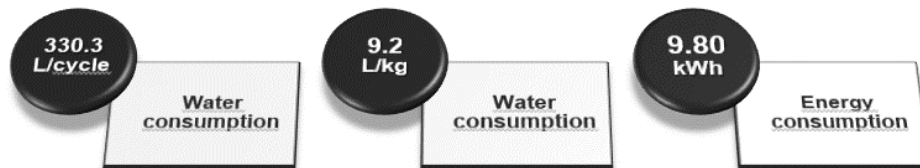
Program no. 7:

- Standard
- 60°C
- No prewash, 3 rinses



Program no. 11:

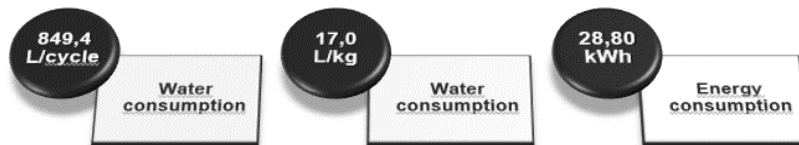
- Eco
- 60°C
- No prewash, 2 rinses



Consumptions SMB 500 – electric heat

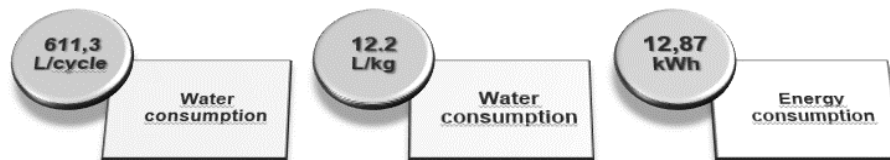
Program no. 1:

- Intensive
- 90°C
- With prewash, 3 rinses



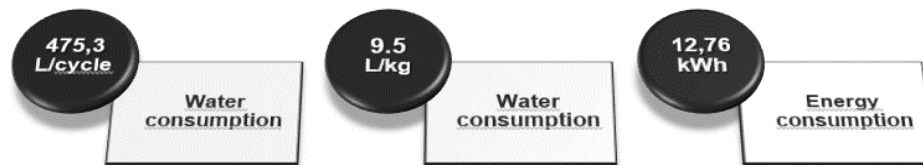
Program no. 7:

- Standard
- 60°C
- No prewash, 3 rinses



Program no. 11:

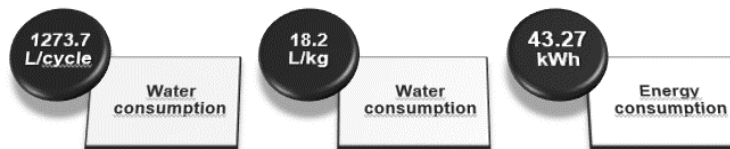
- Eco
- 60°C
- No prewash, 2 rinses



Consumptions SMB700 – electric heat

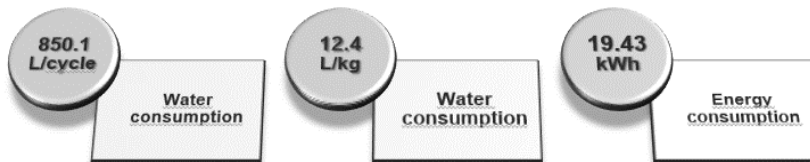
Program no. 1:

- Intensive
- 90°C
- With prewash, 3 rinses



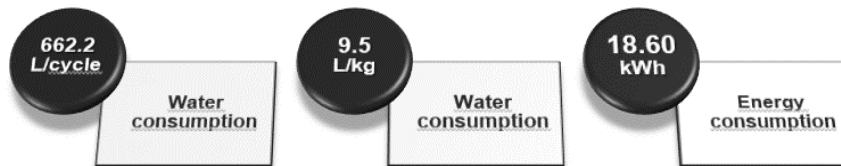
Program no. 7:

- Standard
- 60°C
- No prewash, 3 rinses



Program no. 11:

- Eco
- 60°C
- No prewash, 2 rinses



Packaging



Approvals



CE logo on the serial plate



Extra: double safety valves as standard accessory



ROHS symbol on machines (China)



EAC logo on the serial plate

For further details please contact your distributor.