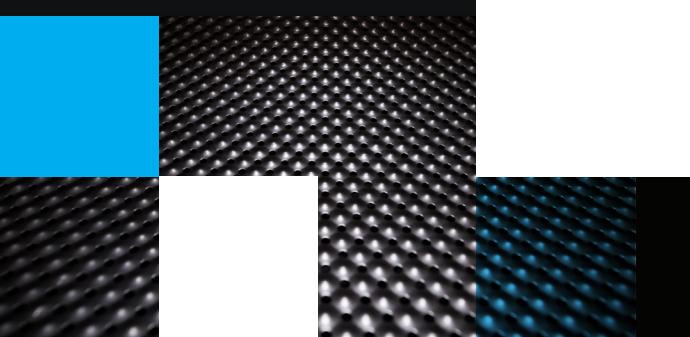


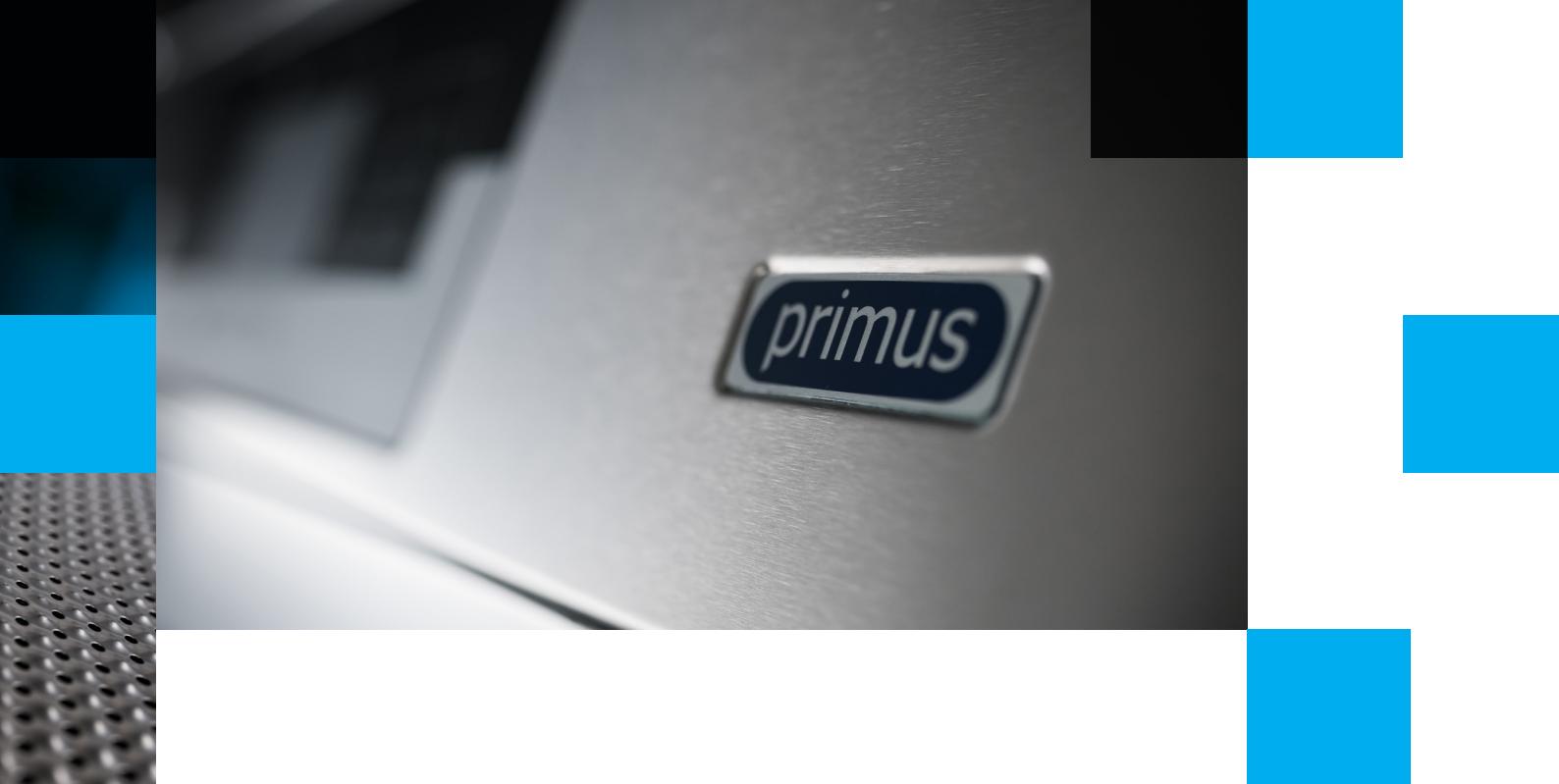


primus®

GET AHEAD IN LAUNDRY 



FX LINE



## WHY CHOOSE PRIMUS®

With over 100 years' experience competing in the diverse and demanding European market, Primus has been built on the solid foundations of purposeful innovation and a passion to help our customers get ahead in laundry. We develop industry leading, eco-friendly laundry solutions characterized by incomparable efficiency and stylish design.

As part of Alliance Laundry Systems, Primus has access to all the expertise and resources of the world's largest commercial laundry manufacturer. Alliance has heavily invested in R&D targeting technologies and solutions toward lower cost of ownership and best ROI to deliver faster, easier and better laundry. Primus benefits from the immense global network of Alliance, with 14 strategic locations worldwide and over 1,200 specialist commercial laundry distributors.



**FX65**

6,5kg/13lb

**FX80**

7,5kg/18lb

**FX105**

10,5kg/24lb

**FX135**

13,5kg/31lb



## 2 FX MACHINES SOLD EVERY HOUR IN THE WORLD\*

Since its launch, the FX line has become Primus' flagship for many reasons you'll (re)discover in this brochure. Optimized consumptions, high and extremely reliable performance, stylish design and many different capacities have made FX washer-extractors the preferred equipment for a variety of laundries, including: laundromats, restaurants, spas, hotels, gyms, healthcare facilities and more.

### THE FX LINE IS DESIGNED WITH STRONG FOCUS ON:

- Optimized consumption
- Sustainability
- Sleek and ergonomic design



**FX180**

18kg/39lb



**FX240**

24kg/52lb



**FX280**

28kg/61lb



# OPTIMIZED CONSUMPTION

Water and energy use are huge concerns for every stakeholder and client in the industry. With this in mind, the FX Line has been designed to achieve extremely low water and energy consumption. FX washer-extractors are standard equipped with revolutionary CASCADE™ DRUM.

25% LESS HUMIDITY\*    20% LESS ENERGY FOR DRYING\*

## PRIMUS introduces the unique CASCADE™ DRUM

The CASCADE DRUM™ concept results in more perforations in the drum over the same surface area – so water extraction is much more efficient without your linen sticking to the drum, thus simplifying unloading. The CASCADE shape of the drum holes provides an extra mechanical action that produces an even better washing result.

- Simpler unloading, as your linen does not stick to the drum
- Maximum water extraction
- Less residual moisture, due to the inclination of the bulges
- Better washing performance as bulges provide an extra mechanical action



15% LESS WATER CONSUMPTION\*



# ECO-FRIENDLY FOCUS

The FX machines are designed to consume minimum water without affecting the wash performance. Conveniently placed under the low water level, the heating elements and temperature sensor now enable more water saving with the same high wash quality.





# EXPERTS CERTIFIED MOPS WASH SOLUTION

We offer complete, tailor-made mop cleaning solutions for your facility, fitting the needs of any segment (Hygienic cleaning, Professional cleaning or Heavy duty cleaning). Our FX range mop-washing programs are **WFK certified** and ensure **disinfection at low temperature** with optional dirt collector.

- Special programs to perfectly wash mops, wipers and more for soft mount machines
- Cycles developed for various mop head soil levels by experts in facility management
- Cycles are suitable for dry or wet mop, cotton or micro fiber.
- Tested and certified for disinfection at 40°C
- Stainless steel dirt collector optional system with capacity up to 280 L
- And, as always, PRIMUS exceptional long lasting and wash quality



TESTED AND CERTIFIED  
BY EXPERTS FOR  
DISINFECTION AT 40°C<sup>1</sup>

Number of mops per load *	FX65 MOP	FX80 MOP	FX105 MOP	FX135 MOP	FX180 MOP	FX240 MOP	FX280 MOP
Mops 100g**	59	68	95	122	162	216	252
Mops 180g**	33	38	53	68	90	120	140
Mops 200g**	29	34	47	61	81	108	126
Mops 230g**	25	29	41	53	70	94	110
Microfiber cloths 16g	366	422	591	759	1013	1350	1575
Microfiber cloths 22g	266	307	430	552	736	982	1145
Microfiber cloths 25g	234	270	378	486	648	864	1008

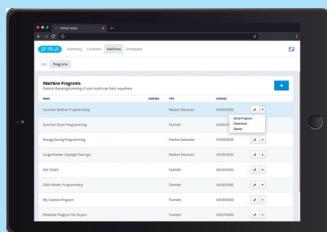


# EXCEPTIONAL DESIGN AND ERGONOMICS

Style is a strong part of Primus DNA . The FX Line has been designed with elegance and ergonomics in mind, so owners and operators can get the most out of sleek and extremely functional equipment.

## INNOVATIVE AND USER-FRIENDLY CONTROL PANEL

The control panel is inclined to make the operator's work more ergonomic. Options in the menu scroll up and down, making it easier for any customer to understand and use them. Our display provides clear guidance to users. For instance, it shows which soap hopper compartment to use.



## FREELY PROGRAMMABLE CONTROLS

Our control offers virtually unlimited programming possibilities for laundry professionals, while a USB plug allows fast and easy uploading of new wash programmes.

## EXTRA LARGE DOORS FOR FASTER LOADING

At Primus, we know that the diameter of the door means speed, when it comes to loading and unloading. With that in mind, we calculated the maximum diameter possible for each model, while also making sure the door opens 180 degrees.





### REDESIGNED EASY TO REACH SOAP HOPPER

The soapbox offers four compartments, suitable for powder or liquid soap. For additional ease-of-use, the compartments are now located at the front of the lid and next to each other. To make things easier for the owner, all compartments have been designed to allow easy access during service. The compartment for the main wash is modular, so the size of the cup can be switched depending on the size of the machine. The compartments can be covered (covers are optional) to prevent customers from making mistakes.

### EASY INSTALLATION, EASY ACCESS TO MACHINE PARTS

The FX Line is softmounted, to enable a fast installation with the best G-Force possible. All the vital parts of the machines - heating elements, drain, control panel - can be accessed from the front. A USB connection inside the control panel makes programming faster and easier.





# NEW XCONTROL FLEX PLATFORM

## GET AHEAD IN CUSTOMER EXPERIENCE AND CLOUD BASED PROGRAMMING CAPABILITIES

Primus' latest control, XControl FLEX platform, features an enhanced customer experience and brand-new functionalities for connectivity and data accessibility available anywhere, everywhere, in the cloud.

### FEATURES & BENEFITS

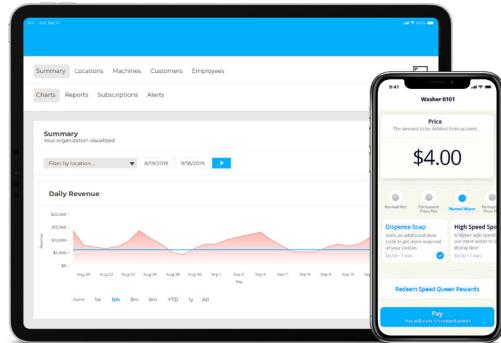
- **7" full color touch screen display.**  
Easy to read from any angle and customizable display
- **Intuitive user-friendly interface**  
Offering all data at a glance. This best-in-class interface offers an excellent operator guidance
- **Clear step-by-step instructions available in 34 languages.**  
Simplifies operation for users, any selection is no more than two touches away
- **15 wash cycles for OPL (12 for VEND) & 8 easy -to-understand cycle modifiers**
- **Wash cycles can be customized for specific needs**
- **Machine programming & performance data accessible through cloud.**  
Allows owners to remotely access live machine data on mobile device





i-TRACE®

Primus i-Trace® integrates all aspects of business management through one partner—Primus. Mobile payment solutions. Financial and operational data and analytics. Customer engagement. Service and maintenance. It's all there in one, simple, cloud-based platform.



## LAUNDRY MANAGERS & LAUNDROMAT OWNERS GET:



### Fast, easy installation

Factory-supported, with little or no downtime and no software to maintain.



### Future-proof technology

Upgrade and add new features quickly and seamlessly.



### Integrated management platform

Single-source data and analytics for customers, machines and locations.



### Simple interface

Easily track and optimize financial and operational performance.



### Peace of mind

Support from the world leader in vended laundry solutions.



### Error alert tracking and notifications

Keep tabs on your machines from anywhere with customizable error tracking and notification settings.



### Mobility

Control your laundromats from anywhere.



### Multiple payment options

Less coin collecting saves time so investors can focus on running their business.



### Centralized refunds

Issue refunds directly to online wallet for improved service and efficiency.



### Primus app

Mobile payment creates best-in-class retail experience.



### Compliance

Simple and secure payment processing with PCI DSS compliance.

PRIMUS I-TRACE®  
IS AVAILABLE ON:



DESKTOP



TABLET



MOBILE





## ALL THE BENEFITS OF OUR ECO<sup>3</sup> WASH SUSTAINABLE TECHNOLOGY ...

At Primus, we care about the environment, and we know that consumption costs are a key to your business. We developed our ECO<sup>3</sup> technology with this focus, and made it available in standard on all FX models.

UP TO  
**-15%\***  WATER CONSUMPTION

Optimising A passive space between tub and drum has minimised water consumption considerably.

UP TO  
**-20%\***  ENERGY CONSUMPTION

Using lower water levels has reduced the energy required for heating as well.

UP TO  
**-25%\***  RESIDUAL MOISTURE

Thanks to the final extraction's very high RPM, the laundry has exceptionally low residual moisture, which also reduces the energy required for drying.

\* compared to previous FS models

### WITH UNMATCHED PROFESSIONAL WASHING QUALITY

- As in all Primus equipment, only premium materials are used in the fabrication of our machines, to ensure one of the largest lifespans on the market.
- A soap mixer ensures the soap is properly blended with water before being in contact with the linen, optimizing the action of the soap and protecting loads from undiluted chemicals.
- Up to 13 liquid soap pumps can be added, to use exactly the right detergent dosages for each load.
- Our CASCADE DRUM™ provides additional mechanical action to deeply wash linens. In addition, the load is distributed more evenly in the drum, so water flows through the cylinder better, delivering an improved wash.
- A 400 G-Force spin helps bring loads to 50% residual moisture or less.
- Smartload semi-automatic weighing system makes sure you use only the water and energy needed.



p

## OPTIONS

- XControl+
- XControl FLEX®
- Coin-operated timer (CPS)
- Stainless steel front and side panels
- USB plug (on the back panel)
- Easy Soap - liquid soap connection
- Liquid soap pumps
- Water recovery kit
- Steam heating version
- 3<sup>rd</sup> water inlet
- High capacity water inlets (FX180, 240)

## PROGRAMS

PROGRAM	SPIN SPEED	WATER CONSUMPTION	ENERGY CONSUMPTION	REAL TIME	RINSES
1 HOT WASH 90° INTENSIVE	1120	131,4 l	4,3 kWh	57'52"	3
2 WARM WASH 60° INTENSIVE	1120	99,6 l	1,97 kWh	51'21"	3
3 COLOR WASH 40° INTENSIVE	1120	124,1 l	1,66 kWh	58'44"	3
4 BRIGHT 30° INTENSIVE	1120	86,0 l	0,52 kWh	34'27"	3
5 WOOLENS 15°	400	61,6 l	0,04 kWh	22'32"	3
6 HOT WASH 90°	1120	89,5 l	3,49 kWh	1:32"41"	3
7 WARM WASH 60°	1120	79,8 l	1,68 kWh	1:04'20"	3
8 COLOR 40°	1120	82,0 l	1,09 kWh	1:02'24"	3
9 BRIGHT 30°	1120	77,9 l	0,48 kWh	0:53'07"	3
10 ECO HOT 90°	1165	69,4 l	2,86 kWh	1:00'58"	2
11 ECO WARM 60°	1165	58,5 l	1,44 kWh	43'02"	2
12 ECO COLOR 40°	1165	68,2 l	1,02 kWh	42'32"	2
13 ECO BRIGHT 30°	1165	60,3 l	0,54 kWh	32'06"	2
14 LOW SPIN	400	35,1 l	0,03 kWh	11'19"	1
15 HIGH SPIN	1165	38,7 l	0,13 kWh	19'05"	1

# FX65 | FX80 | FX105 | FX 135

## IDEAL FOR:

These FX models and their fast cycle times are designed to meet the requirements of on-premises laundries that need to keep loads moving and lack space for larger models. They are also available with professional mop programs WFK certified that ensure disinfection at low temperature with optional dirt collector.

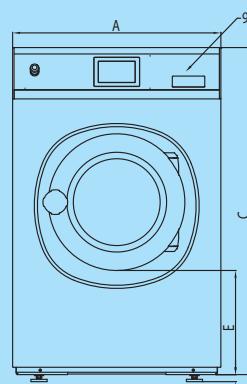


**FX105**

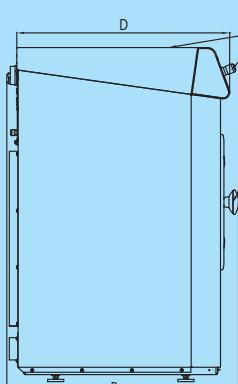
10,5KG / 25LB

WASHER-EXTRACTOR	FX65	FX80	FX105	FX135
Maximum capacity 1:9	7 kg	9 kg	12 kg	15 kg
Capacity 1:10	6,5 kg	8 kg	11 kg	14 kg
Drum volume	65 l	75 l	105 l	135 l
Extraction speed	1165 RPM	1165 RPM	1075 RPM	1075 RPM
G-Force	400	400	400	400
Residual Moisture	45 %	45 %	45 %	45 %

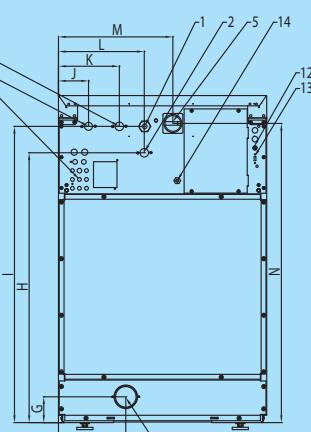
TYPE		FX65	FX80	FX105	FX135
<b>INNERDRUM</b>					
Maximum capacity	kg (lb)	7 (15)	9 (20)	12 (26)	15 (33)
Capacity	kg (lb)	6,5 (13)	7,5 (18)	10,5 (24)	13,5 (31)
Volume	litres	65	75	105	135
Diameter	mm	530	530	620	620
<b>DRUM SPEED</b>					
Wash	rpm	49	49	49	49
Extraction	rpm	1165	1165	1075	1075
<b>G-FACTOR</b>					
		400	400	400	400
<b>HEATING</b>					
Electricity (standard)	kW	6 / 9	6 / 9	6 / 9 / 12	9 / 12
Steam	bar	1 - 8	1 - 8	1 - 8	1 - 8
Hot water	°C	90	90	90	90
Sound pressure level	dB (A)	< 65	< 65	< 65	< 65
Water valves connection	BSP	3/4"	3/4"	3/4"	3/4"
Water pressure	kPa	100-800	100-800	100-800	100-800
Rec. water pressure	kPa	300-500	300-500	300-500	300-500
Water inlet	l/min	20	20	20	20
Drain valve	outer Ø mm	76	76	76	76
Flow amount with drain valve	l/min	210	210	210	210
Steam valve connection	BSP	1/2"	1/2"	1/2"	1/2"
Steam pressure	kPa	100-800	100-800	100-800	100-800
<b>DIMENSIONS</b>					
Size H×W×D	mm	1135×710×740	1135×710×790	1245×795×795	1245×795×945
Net weight	kg	170	185	210	255
<b>TRANSPORT DATA</b>					
Packed H×W×D	mm	1245×750×840	1245×750×840	1345×835×840	1345×835×985
Gross weight	kg	180	200	235	275



Front side



Left side



Rear side

- 1 Electrical connection
- 2 Hot water
- 3 Cold water hard
- 4 Cold water soft
- 5 Main switch
- 6 Liquid soap connection
- 7 Drain
- 8 Soap dispenser
- 9 Control panel
- 10 Button CENTRALSTOP
- 11 Door opening, FX65, FX80: Ø 330mm; FX105, FX135: Ø 410mm
- 12 Fuses
- 13 USB port
- 14 Electrical connection to liquid soap pumps

#### DIMENSIONS

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
FX65	710	740	1135	676	349	230	82	914	1004	113	218	293	390	1020	24
FX80	710	790	1135	726	349	230	88	920	1010	113	218	293	390	1020	24
FX105	795	795	1245	761	342	230	88	1030	1120	103	208	293	475	1130	24
FX135	795	945	1245	911	342	230	88	1030	1120	103	208	293	475	1130	24
	width	depth	height												

#### FX80

Water consumption	l/kg	6,6
Electricity consumption	kWh/kg	0,18

\* Program No 11



# FX180 | FX240 | FX280

## IDEAL FOR:

These FX models are built to serve a variety of on-premises laundries that are processing large volumes of laundry daily. They are also available with professional mop programs WFK certified that ensure disinfection at low temperature with optional dirt collector.

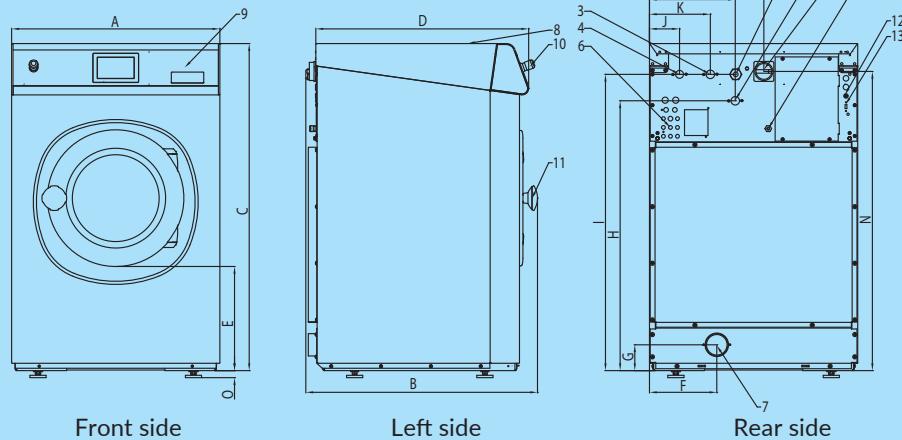


**FX280**

28KG / 70LB

WASHER-EXTRACTOR	FX 180	FX 240	FX 280
Maximum capacity 1:9	20 kg	27 kg	32 kg
Capacity 1:10	18 kg	24 kg	28 kg
Drum volume	180 l	240 l	280 l
Extraction speed	980 RPM	980 RPM	915 RPM
G-Force	400	400	350
Residual Moisture	45 %	45 %	45 %

TYPE		FX180	FX240	FX280
<b>INNERDRUM</b>				
Maximum capacity	kg	20	27	32
Capacity	kg	18	24	28
Volume	litres	180	240	280
Diameter	mm	750	750	750
<b>DRUM SPEED</b>				
Wash	rpm	42	42	42
Extraction	rpm	980	980	915
<b>G-FACTOR</b>				
<b>HEATING</b>				
Electricity (standard)	kW	12 / 18	18	18 / 21,9
Steam	bar	1-8	1-8	1-8
Hot water	°C	90	90	90
Sound pressure level	dB (A)	< 65	< 65	< 65
Water valves connection	BSP	3/4"	3/4"	3/4"
Water pressure	kPa	100-800	100-800	100-800
Rec. water pressure	kPa	300-500	300-500	300-500
Water inlet	l/min	20	20	20-50
Drain valve	outer Ø mm	76	76	76
Flow amount with drain valve	l/min	210	210	210
Steam valve connection	BSP	1/2"	1/2"	1/2"
Steam pressure	kPa	100-800	100-800	100-800
<b>DIMENSIONS</b>				
Size H×W×D	mm	1430×970×970	1430×970×1105	1430×970×1185
Net weight	kg	380	430	495
<b>TRANSPORT DATA</b>				
Packed H×W×D	mm	1550×1025×1015	1550×1025×1150	1550×1025×1225
Gross weight	kg	395	450	515



- 1 Electrical connection
- 2 Hot water
- 3 Cold water hard
- 4 Cold water soft
- 5 Main switch
- 6 Liquid soap connection
- 7 Drain
- 8 Soap dispenser
- 9 Control panel
- 10 Button CENTRALSTOP
- 11 Door opening Ø 460mm
- 12 Fuses
- 13 USB port
- 14 Electrical connection to liquid soap pumps

## DIMENSIONS

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
FX180	970	970	1430	906	477	270	108,5	1215	1297,5	102,5	208	293	610	1315	24
FX240	970	1105	1430	1041	477	270	108,5	1215	1297,5	102,5	208	293	610	1315	24
FX280	970	1185	1430	1116	477	270	108,5	1215	1305	102,5	208	293	610	1315	24
	width	depth	height												

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<sup>1</sup>99,999 % reduction of Escherichia coli K12 NCTC 10538, Staphylococcus aureus ATCC 6538, Salmonella enterica ATCC 13076, Candida albicans ATCC 10231, Aspergillus brasiliensis ATCC 16404 in the mop washing program „Mop washing program for main wash temperature 40° C“ with „Etra 40 extra“ laundry detergent and a load size of 7.5 kg - investigation MB 1880/19 dated April 16, 2020 conducted by wfk-Institut für Angewandte Forschung GmbH commissioned by Alliance Laundry CE s.r.o..