

# Wascator

## STANDARD REFERENCE WASHING MACHINE

The Wascator is the established reference washing machine for textile laboratories fully complying with European standards and retailer test methods.

The instrument is ready programmed for EN ISO 6330:2000 and ISO 6330: 1984 (EN 26330:1994) testing. Plus many more - see page 4.



## KEY BENEFITS

### PREINSTALLED PROGRAMMES

The Wascator is delivered pre-programmed with EN ISO 6330:2000 & ISO 6330: 1984 (EN 26330:1994) standards along with spin cycles. User defined wash programs can also be created directly into the machine using the keypad. Blank memory cards may also be acquired on which to download newly created programs.

### STANDARDISED WASH CYCLES

The range of standardised wash cycles are compliant with European regulations, helping simplify the conformity process.

### BESPOKE PROGRAMMES

Alongside the range of standard wash cycles delivered with the Wascator we can also provide bespoke programmes to suit a companies particular needs.

### INSTALLATION

We offer installation, commission and training services helping companies to get the very best value and benefit from their purchase.

### READY TO USE

Every machine is fully function checked and programmed in our workshop, prior to shipment, simplifying the setup and installation processes.



## MARKET SECTORS/ PRODUCT TYPES



APPAREL



SPORTSWEAR



PPE



OUTDOORWEAR



HOME FITTINGS



MEDICAL EQUIPMENT

## STANDARDS

MARKS AND SPENCER		
M&S C58 M&S P1 M&S P1A M&S P1B M&S P1C M&S P3A M&S P4	M&S P4A M&S P4B M&S P4C M&S P5A M&S P12 M&S P12A M&S P12B	M&S P12C M&S P91 M&S P99A M&S P114 M&S P134 M&S P134A
NEXT		
NEXT 7 NEXT 7A NEXT 7B NEXT 9	NEXT 10 NEXT 11 NEXT 12 NEXT 24	NEXT 30 NEXT 30A NEXT 34 NEXT 36A
EN	IEC	ISO
EN 26330: 1993 EN ISO 6330: 2000 EN ISO 6330: 2012	IEC 604546	ISO 6330: 1984

## WASCATOR AT A GLANCE

Programs supplied on a locked memory card.

Frequency controlled motor system for flexibility in programming and precise speed.

Equipped with Clarus Control® - a fully programmable electronic system

Small space between outer/ inner drum for efficient use of water and detergent.

Stainless steel drum assembly, front, side and top panel.

Suspended drum construction allows a high extraction force no foundation required.



### A LIFETIME OF LAUNDERING

Wascator is designed to be continually used within a wet testing environment. The high-grade stainless-steel drum and panels guarantees a long lifespan.

The suspended drum construction allows for a high extraction force, redistributing pressure during a wash cycle to minimise strain on the instrument.



### PROGRAMMES ON LOCKED MEMORY CARD

The Wascator is delivered pre-programmed with EN ISO 6330:2000, ISO 6330:1984 (EN 6330:1994) wash standards. A blank memory card is also supplied onto which programmes may be written and stored by the user.

There is also the option to purchase additional preloaded memory cards. Refer to page 7 for more details about this.



PROGRAMMES SUPPLIED AS STANDARD		
PROGRAMME NO.	STANDARD	DESCRIPTION
991		Start up program
992		Level Check
993		Weight Check
994		Temperature Check
995		1 Min Extract 500rpm
996		5 Min Extract 500rpm
997		2 Min Extract 775rpm
998		4 Min Extract 950rpm
999		5 MIN Extract 1100rpm
1	EN ISO 6330:2000	1A
2	EN ISO 6330:2000	2A
3	EN ISO 6330:2000	3A
4	EN ISO 6330:2000	4A
5	EN ISO 6330:2000	5A
6	EN ISO 6330:2000	6A
7	EN ISO 6330:2000	7A
8	EN ISO 6330:2000	8A
9	EN ISO 6330:2000	9A
10	EN ISO 6330:2000	Handwash

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## TEST MATERIALS

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We stock a comprehensive range of quality assured consumables, including multifibres, makeweights and detergents for use with the Wascator. These have been independently tested to ensure your organisation can rely upon these to provide accurate and reputable test results.



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## EFFICIENT USAGE

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The small space between the inner and outer drums improves the products efficiency, particularly the water and detergent usage during a normal spin cycle.

The built-in scale helps to accurately measure the volume control and accuracy of wash cycle.



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## MULTIPLE TESTING

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The instrument is designed to conduct various testing including the measurement of shrinkage and spirality during washing and preparing test samples prior to abrasion, pilling and flammability testing.



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## REPEATABLE TESTING

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Wascator is the reference machine for washing performance testing within the textile industry. The precise speed control and the high accuracy of the bath temperature and water-filling helps to ensure companies can adhere to the relevant European and International standards.



# MACHINE OPTIONS

## WASCATOR PROGRAMMABLE AUTOMATIC WASHING MACHINE

STOCK CODE	PRODUCT	STOCK CODE	PRODUCT
298-020	EN ISO 6330	298-023	EN ISO 12138
298-021	BS 5651	298-024	IEC 456
298-022	EN ISO 10528		

## RECOMMENDED STARTING KIT - EN ISO

STOCK CODE	PRODUCT	STOCK CODE	PRODUCT
990-117	1x Wascator FOM71CLS Model 416 3 phase & neutral 400V 50Hz EN ISO 6330:2000, ISO 6330:1984 (EN 26330:1994)	772-123	1x Perspex Shrinkage Template
		772-143	1x Perspex Shrinkage Ruler
702-532	4 x Packs Polyester Makeweights - per pack (1 kg)	785-751	1x Three-Tier Non-Rusting Metal Drying Rack
702-530	2 x Packs (1kg) Polyester Makeweights	202-416/71CLS	1x UKAS Certificate of Calibration
706-652	1x Tub (2kg) ECE Formulation Non- Phosphate Reference Detergent (A)	745-075	EN ISO Program EN ISO 6330: 2012
706-735	1x Pack (250g) TAED		Supplied on two locked Memory Cards (Level control and weight control)
706-750	1x Tub (2kg) ECE Formulation Phosphate Reference Detergent (B)		

## RECOMMENDED STARTING KIT - NEXT

STOCK CODE	PRODUCT	STOCK CODE	PRODUCT
990-117	1x Wascator FOM71CLS Model 416 3 phase & neutral 400V 50Hz EN ISO 6330:2000, ISO 6330:1984 EN ISO 6330:2000, ISO 6330:1984 (EN 26330:1994)	772-123	1x Perspex Shrinkage Template
		772-143	1x Perspex Shrinkage Ruler
		785-751	1x Three-Tier Non-Rusting Metal Drying Rack
702-530	2 x Packs (1kg) Polyester Makeweights	202-416/71CLS	1x UKAS Certificate of Calibration
706-735	1x Pack (250g) TAED		
706-650	1x Tub (2kg) ECE Formulation Phosphate Reference Detergent (B)		

## RECOMMENDED STARTING KIT - M&S

STOCK CODE	PRODUCT	STOCK CODE	PRODUCT
990-117	1x Wascator FOM71CLS Model 416 3 phase & neutral 400V 50Hz EN ISO 6330:2000, ISO 6330:1984 (EN 26330:1994)	785-751	1x Three-tier Non-Rustil Metal Drying Rack
702-532	2 x Packs Polyester Makeweights - per pack 91kg	745-027	M & S Program (English) - all approved programs, including MSTD and P5A (durability at 40°C, 50°C and 60°C)
706-739	1x Pack (approx. 1.6kg) Heavy Duty, Low Lather Detergent	202- 416/71CLS	Supplied on a locked memory card
772-123	1x Perspex Shrinkage Template		1xUKAS Certificate of Calibration
772-143	1x Perspex Shrinkage Ruler		

## MEMORY CARD OPTIONS

### LOCKED MEMORY CARD OPTIONS

STOCK CODE	STANDARD	PRODUCT
745-075	EN ISO Program	<b>EN ISO 6330 : 2012</b> Supplied on two (2) locked Memory Cards (Level Control and weight control)
745-024	EN ISO Program	<b>EN ISO 6330 : 2001/Amd 1:2008 (Type A2) Note: EN ISO 6330:2001 is</b> equivalent to ISO 6330:2000) Supplied on a locked Memory Card Supplied as a standard accessory with new Wascator CLS
745-025	EN and ISO Program	<b>EN 26330 : 1994 and ISO 6330 : 1984</b> Supplied on a locked memory card
745-026	IEC Program (4th edition)	<b>IEC 60456</b> Supplied on a locked memory card
745-065	IEC Program (5th edition)	<b>IEC 60456 and EN 60456</b> Supplied on a locked Memory Card
745-027	M&S Program	<b>M&amp;S Program (English) - all approved programs including MTSD</b> P5A (durability at 40°C, 50°C and 60°C) Supplied on a locked Memory Card
779-184	H&M Program	<b>H&amp;M Program Card for Wascator CLS</b> Supplied on a locked Memory Card
745-152	BS 5651	<b>BS 5651 Program Card for Wascator CLS</b> Supplied on a locked Memory Card
745-067	ISO Program	<b>ISO 10528:1995</b> Supplied on a locked Memory Card
745-019	BLANK/ EMPTY	<b>Programmable Memory Cards</b> - per pack (5)

# WASH PROGRAM MANAGER

WASH PROGRAM MANAGER	
STOCK CODE	PRODUCT
779-423	<p><b>WASH PROGRAM MANAGER (WPM):</b></p> <p>The WPM comprises: Software on a CD-ROM, one Memory Card Reader (for connection to a free USB port in your PC), 5 programmable memory cards and a User Manual (PDF on the CD-ROM).</p> <p><b>SYSTEM REQUIREMENTS:</b></p> <ul style="list-style-type: none"> <li>• Intel Pentium Compatible, 900 MHz or better</li> <li>• Windows XP (x86) or Windows Vista (x86/x64) or Windows® 7, Windows® 8, Windows® 10 (x86/x64)</li> <li>• Windows Explorer 6.0 or higher</li> <li>• 12 Mb RAM (256 Mb recommended)</li> <li>• SVGA display 1024 x 768 resolution (1280 x 1024 recommended)</li> <li>• Windows Compatible Mouse</li> <li>• 1 free USB port</li> </ul>

# SPARE PARTS & MAKEWEIGHTS

WASCATOR SPARE PARTS			
STOCK CODE	PRODUCT	STOCK CODE	PRODUCT
745-003	Diaphragm	416-Spares	<p><b>2-Year Spares Kit Comprising:</b></p> <p>Diaphragm (745-003)</p> <p>Heating Element (3) (745-004)</p> <p>Temperature Sensor (745-005)</p> <p>Door Gasket (745-008)</p> <p>Contactactor (745-010)</p> <p>Level Control (745-011)</p>
745-004	Heating Element		
745-005	Temperature Sensor		
745-008	Door Gasket		
745-010	Contactactor		
745-011	Level Control		
745-052	Shock Absorber		
779-242	3-way inlet valve		

## MAKEWEIGHTS (LOADING FABRICS)

STOCK CODE	PRODUCT	STOCK CODE	PRODUCT
702-530	<b>Polyester Makeweights</b> - per pack (1kg) <b>Size:</b> 300 x 300 ± 30mm <b>Weight:</b> 40g (approx.) <b>Complies with:</b> EN 26330 : 1994, ISO 6330 : 1984 and Next	702-533	<b>Polyester Makeweights</b> - per pack (1kg) <b>Size:</b> 300 x 300 ± 30mm <b>Weight:</b> 35 ± 3g <b>Complies with:</b> ISO 6330: 1984, IEC 60456, AWI/ Woolmark TM31
702-532	<b>Polyester Makeweights</b> - per pack (1 kg) <b>Size:</b> 210 x 210 ± 10mm <b>Weight:</b> 50 ± 5g <b>Complies with:</b> M&S P1A, P1C, P3A, P4, P4A, P4B, P4C, P5, P5A, P6, P7, C15 and EN ISO 6330 : 2000/Amd.1:2008 and EN ISO 6330:2012	702-470	<b>Terry Toweling Ballast for Tumble Drying</b> (HLCC Guidelines) - per pack (1 kg/9 pieces)
702-536	<b>100% Cotton Ballast (Type 1)</b> - per pack (1kg) <b>Size:</b> 92 x 92 ± 2 cm <b>Piece Mass:</b> 320 ± 10g <b>Complies with:</b> ISO 6330:2012		

## YOU MAY ALSO WANT...

### ACCUDRY

AccuDry is the perfect partner for Wascator providing you with repeatable and standard conditions for tumble drying.

The instrument is used to simulate domestic laundering conditions, drying tests and shrinkage testing in line with the relevant standards and retailer test requirements.



### DYNAWASH

DynaWash is used to conduct accelerated laundering to assess properties like: print durability, pleat retention, flock retention and security of garment attachments. It is the the instrument specified by many leading retailers, including M&S, Next, BHS and Arcadia.



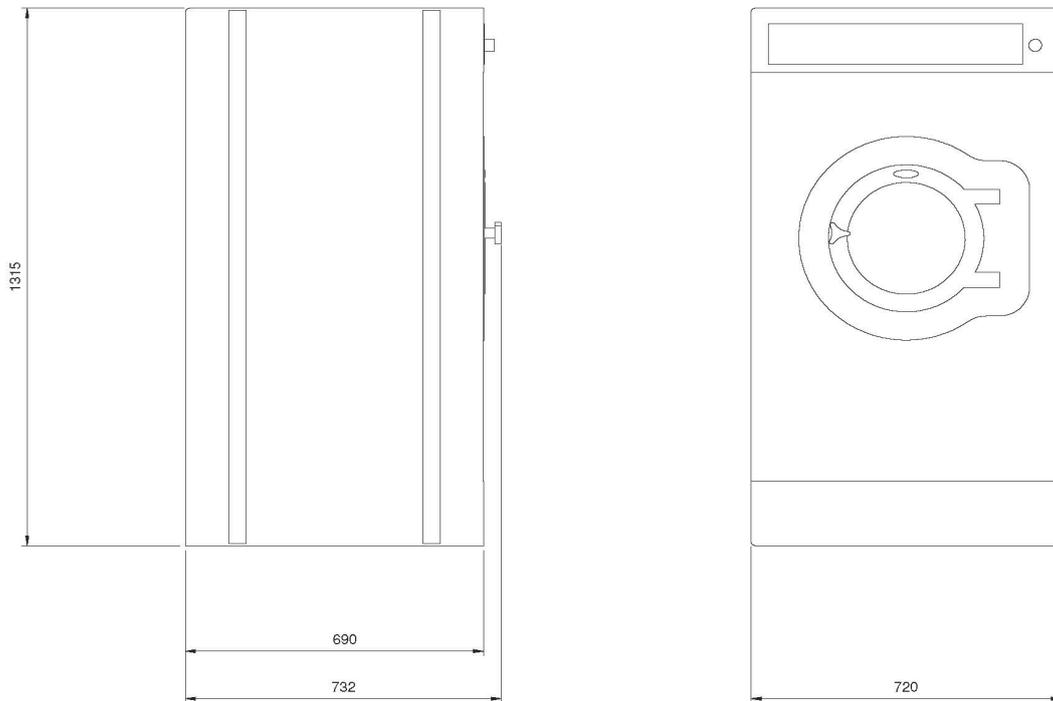
## SERVICE & CALIBRATION

We offer a global on-site maintenance and calibration service for the current Model CLS and for previous generations of Wascator. Our calibration service is independently accredited by UKAS (United Kingdom Accreditation Service).

To keep your machine in the best condition and to avoid disruptive breakdowns, we recommend that you have your instrument serviced and calibrated every 12-months.

## DIMENSIONS AND WEIGHT

Instrument	Height (mm)	Width (mm)	Depth (mm)	Approx Weight (kg)
Wascator	1315	720	690	195



## INSTALLATION GUIDE

ITEM	COMMENT
Electricity	3 phase and neutral 400v 50 Hz (10A per phase) 3 phase 220V 60 Hz (16A per phase)
Air	Not required
Bench or Floor Standing	Floor standing
Water Supply	Hot and Cold Required Minimum Water Pressure: 1.5 Bar Maximum Water Pressure: 4.0 Bar
Drainage	75mm diameter (minimum) free drain (drain position no more than 150mm above base of machine - please ask for more details.
Air Extraction	Not required
Conditioning	Not required