

Programme overview











Standard and special programmes

PW 6107
PW 6137
PW 6167
PW 6207
PW 6241
PW 6321

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Programme overview: standard programmes

These programmes are suitable for washing all machine washable textiles in a commercial laundry.

Programme	Fabric type	Programme sequence	Load ratio/ Load capacity
Cottons 90°C	Cotton, linen and mixed fibre bed linen and towelling	+  Pre-wash 40°C, optional Main wash 90°C 2 rinses Final rinse in hot water* Final spin	1:10 PW 6107 10 kg PW 6137 13 kg PW 6167 16 kg PW 6207 20 kg PW 6241 24 kg PW 6321 32 kg
Cottons universal 60°C	Normally soiled cotton, linen and mixed fibre bed linen and towelling	+  Pre-wash 30°C, optional Main wash 60°C 2 rinses Final rinse in hot water* Final spin	
Cottons intensive 60°C	Heavily soiled cotton, linen and mixed fibre bed linen and towelling	+  Pre-wash 30°C, optional Main wash 60°C 2 rinses Final rinse in hot water* Final spin	
Cottons universal 30°C	Normally soiled cotton, linen and mixed fibre bed linen and towelling	+  Pre-wash 30°C, optional Main wash 30°C 2 rinses Final spin	
Cottons intensive 30°C	Heavily soiled cotton, linen and mixed fibre bed linen and towelling	+  Pre-wash 30°C, optional Main wash 30°C 2 rinses Final spin	
Cottons Eco short	Lightly soiled cotton, linen and mixed fibre bed linen and towelling	+  Pre-wash 30°C, optional Main wash 50°C 2 rinses Final spin	
Minimum iron 60°C	Normally soiled synthetic and mixed fibre fabrics	+  Pre-wash 30°C, optional Main wash 60°C 2 rinses Final spin 1 min.	
Minimum iron intensive 60°C	Heavily soiled synthetic and mixed fibre fabrics	+  Pre-wash 30°C, optional Main wash 60°C 2 rinses Final spin 1 min.	
Minimum iron 30°C	Normally soiled synthetic and mixed fibre fabrics	+  Pre-wash 30°C, optional Main wash 30°C 2 rinses Final spin 1 min.	
Minimum iron intensive 30°C	Heavily soiled synthetic and mixed fibre fabrics	+  Pre-wash 30°C, optional Main wash 30°C 2 rinses Final spin 1 min.	
Delicates	Synthetic and artificial fibre fabrics	Main wash 30°C Sensitive wash rhythm 2 rinses Final spin 1 min.	1:25 PW 6107 4 kg PW 6137 5.2 kg PW 6167 6.4 kg PW 6207 8 kg PW 6241 9.6 kg PW 6321 13 kg

Programme overview: standard programmes

Programme	Fabric type	Programme sequence	Load ratio/ Load capacity
Woolens 30°C	Machine washable woolens and wool mixtures with a washable woolens care label	Main wash 30°C Gentle wash rhythm 2 rinses Final spin 1 min.	1:25 PW 6107 4 kg PW 6137 5.2 kg
Handwashable woolens 30°C	Washable woolens and wool mixtures	Main wash 30°C Handwash wash rhythm 2 rinses Final spin 1 min.	PW 6167 6.4 kg PW 6207 8 kg PW 6241 9.6 kg PW 6321 13 kg
Separate rinse	Articles which have been washed by hand and only need to be rinsed and spun in the machine	1 Rinse Final spin	
Separate spin	For articles which have been washed and only need to be spun	Final spin	
Separate drain		Water drainage	
Starch	For starching freshly laundered items such as table cloths, serviettes and workwear	1 Rinse Final spin	

* Hot water rinse

The **1** Cottons 90°C, **2** Cottons 60°C and **3** Cottons 60°C intensive standard programmes are programmed for hot water rinses. If the machine is connected to an on-site hot water supply it is advisable to programme the final rinse for hot water.

The residual water in the laundry will be lower.

- The laundry will be warm.







This will lead to savings in both time and energy if the laundry is then dried in a tumble dryer or passed through a rotary ironer immediately after washing.

To deselect the hot water rinse please read the Programming manual.

Programme overview: HoReCa

Hotel/Restaurant/Catering


A large variety of textiles are used in this industry with a wide range of soiling. These programmes are suitable for washing items from lightly soiled bed linen and towels to heavily soiled table linen and very heavily soiled kitchen linen.

Programme	Fabric type	Programme sequence	Load ratio/ Load capacity
Bed linen/towelling 90°C	White cotton, linen and mixed fibre bed linen and towelling	+  Pre-wash 40°C, optional Main wash 90°C 2 rinses Final spin	1:10* PW 6107 10 kg PW 6137 13 kg
Bed linen/towelling 60°C	Colourfast and white cotton, linen and mixed fibre bed linen and towelling	+  Pre-wash 40°C, optional Main wash 60°C 2 rinses Final spin	PW 6167 16 kg PW 6207 20 kg PW 6241 24 kg PW 6321 32 kg
Mattress covers	Synthetic waterproof mattress protectors	+  Pre-wash 30°C, optional Main wash 60°C 2 rinses Final spin	1:13 PW 6107 8 kg PW 6137 10 kg PW 6167 12 kg PW 6207 15 kg PW 6241 18 kg PW 6321 24 kg
Spa towelling	Colourfast and white cotton, linen and mixed fibre bed linen and towelling soiled with lotions and oils	Main wash 50°C +  second wash 75°C, optional ** 2 rinses Final spin	1:13* PW 6107 8 kg PW 6137 10 kg PW 6167 12 kg PW 6207 15 kg PW 6241 18 kg PW 6321 24 kg
Bath robes 60°C	Cotton and mixed fibre bath robes (select  Pre-wash 40°C for heavily soiled bath robes)	+  Pre-wash 40°C, optional Main wash 60°C 2 rinses Final spin	1:10* PW 6107 10 kg PW 6137 13 kg PW 6167 16 kg PW 6207 20 kg PW 6241 24 kg PW 6321 32 kg
Kitchen linen	Cotton, linen and mixed fibre kitchen linen	Pre-rinse Pre-wash 40°C Main wash 90°C, 10 min. 3 rinses Final spin	1:13 PW 6107 8 kg PW 6137 10 kg PW 6167 12 kg PW 6207 15 kg PW 6241 18 kg PW 6321 24 kg
Table linen 90°C	White cotton, linen and mixed fibre table linen	Pre-wash 40°C Main wash 90°C 2 rinses Final spin	1:10 PW 6107 10 kg PW 6137 13 kg
Table linen 60°C	Colourfast cotton, linen and mixed fibre table linen	Pre-wash 40°C Main wash 60°C 2 rinses Final spin	PW 6167 16 kg PW 6207 20 kg PW 6241 24 kg PW 6321 32 kg




* wash the maximum load.

** select a higher temperature for the second wash for items soiled with lotions, massage oil etc. A suitable bleaching agent can be used on stains if required.

Programme overview: curtains





Programme	Fabric type	Programme sequence	Load ratio/ Load capacity
Curtains	Synthetic and artificial fibre fabrics	+  Pre-wash 30°C Main wash 40°C 3 rinses Final spin	1:20 - 1:25 PW 6107 approx. 4.6 kg PW 6137 approx. 5.8 kg PW 6167 approx. 7.2 kg PW 6207 approx. 9 kg PW 6241 approx. 10.8 kg PW 6321 approx. 14.4 kg


If you do not want the machine to spin the laundry:

Press the  "Without spin" button. To finish the programme with water in the machine press the  "Stop/End" button and then press the  "Drain" button.

Programme overview: duvets

These programmes are suitable for washing duvets with feather, down, synthetic and natural fibre fillings.

Programme	Fabric type	Programme sequence	Load ratio/ Load capacity
Down duvets 60°C	Heavily soiled down and feather filled duvets and pillows.	Deflation +  Pre-wash 30°C Main wash 60°C 2 rinses Final spin	see load capacity chart
Down duvets 40°C	Normally soiled down and feather filled duvets and pillows.	Deflation +  Pre-wash 30°C Main wash 40°C 2 rinses Final spin	
Synthetic duvets 60°C	Heavily soiled synthetic duvets and pillows.	+  Pre-wash 30°C Main wash 60°C 2 rinses Final spin	
Synthetic duvets 40°C	Normally soiled synthetic duvets and pillows.	+  Pre-wash 30°C Main wash 40°C 2 rinses Final spin	
Natural fibre blankets	Machine washable natural fibre quilts and blankets.	Main wash 25°C 2 rinses Finishing phase Final spin	

 These wash programmes must only be used to wash items which are specified by the manufacturer to be machine-washable on the wash-care label.

Detergent

We recommend using a liquid detergent. Where soiling is very heavy a powder detergent may be used to improve the wash result.

Max. load (dry weight of laundry)

Loads quoted in the chart are the maximum permissible!

The loads quoted are estimates and will vary depending on the size and volume of the duvets and pillows.





Machine	Quantity
PW 6107	1 single duvet or 2 pillows
PW 6137	3 pillows or 1 pillow + 1 single duvet
PW 6167	4 pillows or 2 pillows + 1 single duvet or 2 single duvets
PW 6207	5 pillows or 3 pillows + 1 single duvet or 2 single duvets
PW 6241	6 pillows or 4 pillows + 1 duvet or 3 duvets
PW 6321	8 pillows or 2-3 pillows + 3 duvets or 4 duvets

One single duvet is the equivalent of approximately two pillows.

Note:

Unquilted duvets must be securely bound together, to keep imbalance to a minimum and ensure a good wash result.

Programme overview: disinfection

Programme	Fabric type	Programme sequence	Load ratio/ Load capacity
Thermal disinfection	Cotton, linen e.g. bed linen, towelling	+  Pre-wash 40°C Disinfection 90°C, 10 min. 2 rinses Final spin	1:10 PW 6107 10 kg PW 6137 13 kg PW 6167 16 kg PW 6207 20 kg PW 6241 24 kg PW 6321 32 kg
Thermal disinfection RKI		Disinfection 90°C, 10 min. 2 rinses Final spin	
Chemo-thermal disin. 60°C		+  Pre-wash 40°C Disinfection 60°C*, 20 min. 2 rinses Final spin	
Chemo-thermal disin. RKI	Cotton, linen e.g. bed linen, towelling	Disinfection 40°C*, 20 min. 2 rinses Final spin	
Chemo-thermal Disinfection 40°C	Cotton, mixed fibre up to 40°C	+  Pre-wash 30°C Disinfection 40°C*, 20 min. Delicates wash rhythm 2 rinses Final spin	
Chemo-thermal disin. RKI 40°C	Cotton, mixed fibre up to 40°C	Disinfection 40°C*, 20 min. Delicates wash rhythm 2 rinses Final spin	
Incontinence +	Washable incontinence pads, pants and nappies	+  Pre-rinse Pre-rinse Pre-wash 40°C Disinfection 90°C, 10 min. 3 rinses Final spin	1:13 PW 6107 7.6 kg PW 6137 9.8 kg PW 6167 12 kg PW 6207 15 kg PW 6241 18 kg PW 6321 24 kg
Incontinence	Heavily soiled personal clothing, cotton	2 pre-rinses Pre-wash 40°C Disinfection 90°C, 10 min. 3 rinses Final spin	

RKI = Robert-Koch-Institute

* The disinfection parameters for chemo-thermal disinfection (temperature, temperature holding times and dispensing amounts) must be set locally for the type of cleaning and disinfecting agents being used.

All programmes are **locked**. This means that 1 minute after a programme has started it cannot then be interrupted, stopped or stages skipped.

To prevent the risk of recontamination water for the rinses does not pass through the detergent dispenser.

Programme overview: disinfection

General

What does the term disinfection mean

Disinfection is the destruction or extensive reduction in the number of pathogens which cause transferable diseases, to prevent the risk of infection.

Thermal disinfection

Thermal disinfection is achieved by maintaining a defined temperature for a specific length of time. This is achieved, e.g. according to § 18 IFSG, at 90 °C held for 10 min. or at 85 °C held for 15 min. with a suds ratio of between 1 - 4 and 1 - 5 in areas of effectiveness AB.

The machine is supplied pre-programmed to the German RKI standard. It is, however, programmable and can be programmed to suit UK guidelines for sluice and thermal disinfection - HSG 95/18. Because thermal disinfection does not depend on the cleaning agent used, the cleaning agent does not have to comply with any official listing.

Chemo thermal disinfection

Chemo thermal disinfection differs from thermal disinfection in that it uses a lower suds temperature during the disinfection phase. The low temperature is compensated for by using specific approved cleaning and disinfecting agents.

It is important that the products are used in accordance with manufacturer's instructions. The correct suds temperature and ratio as well as the dispensing time must be maintained during the programme.

For disinfecting wash programmes there are two lists (in Germany) in which the required procedural parameters pertaining to cleaning and disinfecting agents are specified:

RKI-List (Robert-Koch-Institute, German Federal Institute for infectious diseases and non-communicable illnesses).

This list describes the procedures required for decontamination in accordance with §18 of the German Federal law on infectious diseases (Infektionsschutzgesetz). These disinfection procedures must be followed in accordance with national health and safety regulations on notifiable diseases to prevent the risk of spreading infectious diseases and non-communicable diseases. The RKI-List describes the procedures required for thermal disinfection as well as for chemo thermal disinfection procedures.

Disinfection procedures are defined in three effective areas A, B and C.

Effective area A: Suitable for the destruction of vegetative bacteria, including myco-bacteria, fungus and fungal spores.

Effective area B: Suitable for the inactivation of viruses.

Effective area C: Suitable for the destruction of spores from the anthrax pathogen.

Where disinfection is being carried out in accordance with health and safety regulations it is essential that the first suds are not drained into the sewerage system until disinfection has been successfully carried out.

VAH-List: VAH = The Association for Applied Hygiene
(previously: (DGHM = German Institute for Hygiene and Microbiology)

The VAH list describes the procedures required for routine prophylactic disinfection, and in particular for the prevention of infection in hospitals, doctor's surgeries, public areas and other areas where there may be the risk of infection spreading.

Where disinfection procedures are required by the authorities it is recommended that disinfection is carried out in accordance with national health and safety regulations.

Textiles used in operating theatres must be processed as medical devices using special validated processes and machines. These are not covered in this programme overview.

Precautions for avoiding contamination and recontamination

- ensure personnel disinfect their hands properly
- ensure transport containers are sufficiently cleaned and disinfected
- ensure sufficient cleaning and disinfecting agents are dispensed
- ensure that protective clothing is worn correctly
- ensure a sterile supply of fresh water from the water treatment plant
- ensure that detergent dispensers, compartments and siphons are clean

Cleaning the detergent dispenser drawers and siphons

The detergent dispenser is constantly subject to moisture and, if not cleaned regularly, is at risk from contamination by water borne bacteria.

The detergent dispensers, the compartments and the siphons must be cleaned after each use with hot water to remove any residues of cleaning agents and other encrustations.

It is the operator's responsibility to ensure that the standard of disinfection in thermal as well as chemo thermal procedures is maintained (in accordance with national health and safety regulations) by carrying out suitable validation tests. These procedures should be checked on a regular basis, either thermo-electrically using loggers, or bacteriologically with bio indicators. The operator must pay particular attention to maintaining the correct parameters in the procedure, including temperature and with chemo thermal programmes, the chemical concentration used. Disinfection programmes must not be interrupted, as this can have a limiting effect on the disinfection result.

Programme overview: maintenance programme





For cleaning the detergent drawer, the drum, the suds container and the drainage system.

If you use disinfection programmes on a regular basis, the Maintenance programme should be frequently carried out.


Programme	Fabric type	Programme sequence	Load ratio/ Load capacity
Maintenance programme	Do not fill the drum. Use a general purpose detergent.	2 rinses	-

Programme overview: buildings maintenance

These programmes are suitable for disinfecting and adding a finishing agent (in a variety of levels of dampness) to cotton and mixed fibre cleaning cloths, floor mats, polishing pads and floor cloths used in the buildings maintenance business.

Programme	Fabric type	Programme sequence
Mops standard 60°C Mops standard 90°C	Mop heads made of cotton or mixed fibre (cotton/polyester)	Pre-spin Pre-rinse +  2nd pre-rinse, optional Main wash 60/90°C 3 rinses Final spin
Mops standard + finish 60°C Mops standard + finish 90°C		Same programme sequence as Mops standard, plus: Finishing agent, damp or: moist, wet, soaking wet via Block activation
Mops thermal disinfection		Pre-spin Pre-rinse +  2nd pre-rinse, optional Disinfection* 90°C, 10 min. 3 rinses Final spin
Mops Th.Dis. + finish		Same programme sequence as Mops thermal disinfection plus: Finishing agent, damp or: moist, wet, soaking wet via Block activation
Mops Ch. Th. Dis.		Pre-spin Pre-rinse +  2nd pre-rinse, optional Disinfection* 60°C, 20 min. 3 rinses Final spin
Mops Ch.Th. Dis.+finish		Same programme sequence as Mops Ch.Th. Dis. plus: Finishing agent, damp or: moist, wet, soaking wet via Block activation
Mops finish		1 rinse Finishing agent, damp or: moist, wet, soaking wet via Block activation
Mops intensive		Pre-spin Pre-rinse +  2nd pre-rinse, optional Pre-wash 40°C Main wash 90°C 3 rinses Final spin
Mops first wash 60°C Mops first wash 90°C		For washing cleaning pads for the first time

Programme overview: buildings maintenance

Programme	Fabric type	Programme sequence
Mats	Washable floor mats	Pre-rinse Main wash 40°C 3 rinses Final spin
Heavily soiled mats	Heavily soiled floor mats	Pre-rinse Pre-wash 30°C Main wash 60°C 3 rinses Final spin
Pads 40°C Pads 60°C	Polishing pads	Pre-rinse +  2nd pre-rinse, optional Main wash 40/60°C 3 rinses Final spin

* The disinfection parameters for chemo-thermal disinfection (temperature, temperature holding times and dispensing amounts) must be set locally for the type of cleaning and disinfecting agents being used.

The **Mops ... + finish** . . programmes impregnate mops with cleaning or disinfecting agent so that they are ready for re-use straight away. The wash or disinfection stage of the programme is followed with a treatment phase and final spin. The required moisture level of the mop heads can be programmed to be different in the different spin blocks. If mops are to be treated with disinfecting agent the concentration should be set to 0.5% at the end of the programme.

The amount to dispense must be set on site and the disinfection standard must be tested.

The **Mops finish** programme is suitable for the applying a finishing agent to clean dry mop heads. Disinfecting agent solution is added during the finishing process. A 0.5% concentration of disinfecting agent must be left on the cloths at the end of the programme.

The amount to dispense must be set on site and the disinfection standard must be tested.

Load capacities for mop heads




Size	40 cm/190 g	50 cm/220 g	60 cm/280 g	80 cm/360 g	110 cm/510 g	130 cm/610 g	160 cm/720 g
PW 6107	53 qty.	45 qty.	36 qty.	28 qty.	20 qty.	16 qty.	14 qty.
PW 6137	68 qty.	59 qty.	46 qty.	36 qty.	25 qty.	21 qty.	18 qty.
PW 6167	84 qty.	73 qty.	57 qty.	44 qty.	31 qty.	26 qty.	22 qty.
PW 6207	105 qty.	91 qty.	71 qty.	56 qty.	39 qty.	33 qty.	28 qty.
PW 6241	126 qty.	109 qty.	85 qty.	67 qty.	47 qty.	40 qty.	34 qty.
PW 6321	168 qty.	145 qty.	114 qty.	90 qty.	62 qty.	53 qty.	45 qty.

■ Shake mops out before placing them in the machine, to avoid getting coarse soiling in the drum.

To prevent the risk of recontamination water for the rinses does not pass through the detergent dispenser.

Programme overview: buildings maintenance

These programmes are suitable for washing, disinfecting and adding a finishing agent (in a variety of levels of dampness) to cotton, mixed fibre and micro-fibre cleaning cloths used in the buildings maintenance business.

Programme	Fabric type	Programme sequence	Load ratio/ Load capacity
Standard cloths	Cloths made of cotton or mixed fibre (cotton/polyester), micro-fibre	Pre-rinse +  Pre-wash 30°C, optional Main wash 60°C, 10 min. 3 rinses Final spin	1:20 PW 6107 approx. 5 kg PW 6137 approx. 7 kg PW 6167 approx. 8 kg PW 6207 approx. 10 kg PW 6241 approx. 12 kg PW 6321 approx. 16 kg
Standard cloths + finish		Same programme sequence as Standard mops, plus: Finishing agent, damp or: moist, wet, soaking wet via Block activation	5 kg or 315 cloths 7 kg or 440 cloths 8 kg or 500 cloths 10 kg or 630 cloths 12 kg or 755 cloths 16 kg or 1000 cloths
Th. Dis. cloths		Pre-rinse +  Pre-wash, optional Disinfection 90°C, 10 min. 3 rinses Final spin	
Th.Dis. cloths + finish		Same programme sequence as Th. Dis. cloths plus: Finishing agent, damp or: moist, wet, soaking wet via Block activation	
Ch.Th.Dis. cloths		Pre-rinse +  Pre-wash, optional Disinfection 70°C, 10 min. 3 rinses Final spin	
Ch. Th. Dis. +finish		Same programme sequence as Ch. Th. Dis. cloths plus: Finishing agent, damp or: moist, wet, soaking wet via Block activation	
Finish cleaning cloths		1 rinse Finishing agent, damp or: moist, wet, soaking wet via Block activation	

The **Standard cloths** programme is suitable for cleaning cloths which are not required for re-use immediately after a programme, and which are put into dry storage until next required.

The **Cloths ... + finish** . . programmes impregnate cloths with cleaning or disinfecting agent so that they are ready for re-use straight away. The wash or disinfection stage of the programme is followed with a treatment phase and final spin. The required moisture level of the cloths can be programmed to be different in the different spin blocks. If cloths are to be treated with disinfecting agent the concentration should be set to 0.5% at the end of the programme.

The amount to dispense must be set on site and the disinfection standard must be tested.

The **Finish cleaning cloths** programme is suitable for the subsequent treatment of clean dry cleaning cloths. Disinfecting agent solution is added during the finishing process. A 0.5% concentration of disinfecting agent must be left on the cloths at the end of the programme.

The amount to dispense must be set on site and the disinfection standard must be tested.

Programme overview: fire service

These programmes are suitable for washing and reproofing Nomex fire suits, jackets, trousers, masks and chemical protective suits.


Programme	Fabric type	Programme sequence	Load ratio/ Load capacity
Wash protective clothing	Nomex fire suits, jackets, trousers	Pre-wash 40°C Main wash 60°C 3 rinses Final spin	1:15 - 1:20
Wash/proof prot. clothing		Pre-wash 40°C Main wash 60°C 2 rinses Proofing phase 40°C Final spin	
Reproof protect. clothing		1 rinse Proofing phase 40°C Final spin	

Load capacities: PW 6107 approx. 1 - 2 suits (1 jacket + 2 trousers or 2 jackets)
 PW 6137 approx. 2 suits (or 3 jackets)
 PW 6167 approx. 3 suits
 PW 6207 approx. 3 - 4 suits
 PW 6241 approx. 4 suits
 PW 6321 approx. 5 suits

Preparing the laundry:

- Do not attach any labels.
- Snap hooks/carabiners should be removed if possible or placed in a sealed pocket.
- Velcro fasteners should be fastened or taped over.
- Woollen linings should be washed separately.
- Clothing should be washed inside out (linings to the wrong side).
- Do not overload. Observe max. loads.

Washing protective clothing

 **The fire service** programme is designed for washing fire service clothing and is not suitable for clothing containing wool in the padding.

Detergent: A reduced pH liquid detergent should be used to break down any grease or pigment soiling.
 Proofing agents must be suitable for garments used in this area of application.

The **Masks** programme is designed for cleaning and disinfecting face masks with head straps.


The masks are removed from the bags after processing.

The **Spin wash bags** programme is used for spinning the soaking wet empty protective bags.

Programme	Fabric type	Programme sequence	Load ratio/ Load capacity
Masks	Face masks with head straps	Disinfection* 60°C, 20 min. 4 rinses	Masks PW 6107 9
Masks with pre-wash	For heavily soiled masks with head straps	Pre-wash 30°C Disinfection* 60°C, 20 min. 4 rinses	PW 6137 12 PW 6167 13 PW 6207 16 PW 6241 19 PW 6321 26
Spin wash bags	Face mask bags	Spin	1:10

* The disinfection parameters for chemo-thermal disinfection (temperature, temperature holding times and dispensing amounts) must be set locally for the type of cleaning and disinfecting agents being used.

To prevent the risk of recontamination water for the rinses does not pass through the detergent dispenser.

 Masks with connectors for helmets must not be cleaned in this machine because the connectors can damage the visors.

Use a suitable cleaning agent and follow the manufacturer's instructions on the packaging for dosage requirements.

- Turn the head straps upwards to protect the visors before loading the masks in the machine.
- Place each mask in its protective bag and close it up.

The protective suits programme is designed for washing the protective suits worn by the fire service. It incorporates chemo-thermal disinfection (60°C/20 min.) for which a suitable cleaning agent is required.

Programme	Fabric type	Programme sequence	Load ratio/ Load capacity
Protective suits	Chemical protective suits made from multi-layered laminated fabrics	Main wash 60°C 3 rinses	1:15 - 1:20 Suits
Protective suits special		Pre-wash 40°C	PW 6137 1 PW 6167 1 - 2 PW 6207 min. 2 PW 6241 min. 3 PW 6321 min. 4

- Do not exceed the maximum wash temperature stated by the manufacturer of the suits.
- Where the type of soiling present is not known the levels of decontamination cannot be assured and must be tested.
- Protective suits must be opened for washing and the visor on the hood section turned inwards and held in place using the foot section.
- You must process the minimum quantity stated in the chart as otherwise the suits can unfold themselves during processing and damage the visors.
- Very heavily contaminated protective suits should be pre-washed using the "Protectvie suits special" programme first.


Programme overview: professional cleaners

The WetCare programmes provide a very gentle cleaning process using water and special care products for fabrics which previously could only be dry cleaned.

Programme	Fabric type	Programme sequence	Load ratio/ Load capacity
WetCare sensitive	For non washable garments	+ U Pre-wash 25°C, optional Main wash 25°C Finishing bath 25°C Final spin	1:15 - 1:20 PW 6107 approx. 5 - 6.6 kg PW 6137 approx. 6.6 - 9 kg PW 6167 approx. 8 - 11 kg PW 6207 approx. 10 - 13 kg PW 6241 approx. 12 - 16 kg PW 6321 approx. 16 - 21 kg
WetCare silks	For non washable garments which crease easily	Main wash 30°C Finishing bath 25°C Final spin	1:20 - 1:25 PW 6107 approx. 4 - 5 kg PW 6137 approx. 5 - 6.6 kg PW 6167 approx. 6.6 - 8 kg PW 6207 approx. 8 - 10 kg PW 6241 approx. 9,6 - 12 kg PW 6321 approx. 13 - 16 kg
WetCare intensive	Washable garments	+ U Pre-wash 30°C, optional Main wash 40°C Rinse Finishing phase 25°C Final spin	1:15 - 1:20 PW 6107 approx. 5 - 6.6 kg PW 6137 approx. 6.6 - 9 kg PW 6167 approx. 8 - 11 kg PW 6207 approx. 10 - 13 kg PW 6241 approx. 12 - 16 kg PW 6321 approx. 16 - 21 kg




The hot water valves are not opened during these textile cleaning programmes. The water taken into the drum must not exceed 30°C.

Programme overview: immersion proofing

Programme	Fabric type	Programme sequence	Load ratio/ Load capacity
Wash/reproof	For all washable garments requiring reproofing (e.g. outdoor clothing)	+  Pre-wash 30°C, optional Main wash 40°C 2 rinses Proofing phase 40°C Final spin	1:15 - 1:20 PW 6107 6 kg PW 6137 8 kg PW 6167 10 kg PW 6207 12 kg
Rinse/reproof		1 rinse Proofing phase 35°C Final spin	PW 6241 14.5 kg PW 6321 19.5 kg

Programme overview: equestrian

These programmes are suitable for washing and reproofing horse blankets, saddle cloths, gaiters, boots, bandages and textile halters.

Programme	Fabric type	Programme sequence	Load ratio
Horse blankets 60°C	Horse blankets, saddle-cloths, gaiters, boots, bandages, textile halters	+  Pre-rinse, optional Pre-rinse Pre-wash 40°C Main wash 60°C 3 rinses Final spin 10 min.	1 : 13
Horse blankets 30°C	Horse blankets, saddle-cloths, gaiters, boots, bandages, textile halters	+  Pre-rinse, optional Pre-rinse Pre-wash 30°C Main wash 30°C 3 rinses Final spin 10 min.	
Woollen horse blankets	Horse blankets containing wool	Pre-rinse Pre-wash 30°C Main wash 30°C 2 rinses Final spin 3 min.	
Wash/proof horse blankets	Horse blankets, saddle-cloths, gaiters, boots, bandages, textile halters	+  Pre-rinse, optional Pre-rinse Pre-wash 30°C Main wash 30°C 2 rinses Reproofing 30°C Final spin 3 min.	

Preparation

Coarse soiling should be vacuumed or hosed off heavily soiled blankets.

Detergent

Do not use detergents which contain bleaching agents or optical brighteners. We recommend the use of liquid detergents as they are easy to use and dosage can be accurately measured.

Use products with a slightly reduced pH-level for blankets containing wool.

If necessary you can add products containing enzymes.

However, if you do this, make sure that they do not contain protease, as these enzymes will attach themselves to the wool and damage it.





Model	Load		
	Maximum 3/4 of the total recommended load.		
	Saddle cloths/Numnahs	Summer blankets	Winter blankets
PW 6107	7	2	1
PW 6137	9	2 - 3	1 - 2
PW 6167	11	2 - 3	1 - 2
PW 6207	12	3	2
PW 6241	15	3 - 4	2 - 3
PW 6321	18	4 - 5	3

Buckles

 Metal buckles and fasteners should be covered to protect the drum.

Special bags for this purpose are available to order from Miele.

Programme overview: sportswear

Programme	Fabric type	Programme sequence	Load ratio/ Load capacity
Singlets 40°C	Polyester or polyamide with and without man-made elastomers	+  Pre-wash 30°C, optional Main wash 40°C 3 rinses Final spin	1:20 PW 6107 5 kg PW 6137 6.6 kg
Track suits 40°C	Polyester, polyamide	Main wash 40°C 2 rinses Final spin	PW 6167 8 kg PW 6207 10 kg PW 6241 12 kg PW 6321 16 kg
Track suits intensive 40°C		+  Pre-wash 30°C, optional Main wash 40°C 2 rinses Final spin	
Leg protectors 40°C	Polyester, polyamide, polyethylene, polypropylene and ethylene vinyl	Main wash 40°C 2 rinses	1:10 PW 6107 10 kg PW 6137 13 kg PW 6167 16 kg PW 6207 20 kg PW 6241 24 kg PW 6321 32 kg
Outerwear 40°C	Polyamide and membrane items	+  Pre-wash 30°C, optional Main wash 40°C 2 rinses Proofing phase 40°C Final spin	1:20 - 1:15 PW 6107 5 - 6.6 kg PW 6137 6.6 - 9 kg PW 6167 8 - 11 kg PW 6207 10 - 13 kg PW 6241 12 - 16 kg PW 6321 16 - 21 kg
Reproof sportswear 40°C		Rinse Proofing phase 40°C Final spin	
Functional underwear 40°C	Polyester/man-made elastomer mix Polyamide/man-made elastomer mix or polypropylene	+  Pre-wash 30°C, optional Main wash 40°C 2 rinses Final spin	1:20 PW 6107 5 kg PW 6137 6.6 kg PW 6167 8 kg PW 6207 10 kg PW 6241 12 kg PW 6321 16 kg

Programme overview: sluice

The sluice programmes are for extremely soiled personal clothing and for heavily soiled towelling and bed linen. Disinfection is carried out in accordance with National Health Service (GB) regulations.

Programme	Fabric type	Programme sequence	Load ratio/ Load capacity
Sluice low	Heavily soiled personal clothing, towelling and bed linen	2 pre-rinses Pre-wash 60°C, 5 min. Disinfection 60°C, 10 min. 3 rinses Final spin	1 : 10 PW 6107 10 kg PW 6137 13 kg PW 6167 16 kg
Sluice high		2 pre-rinses Pre-wash 60°C, 5 min. Disinfection 71°C, 3 min. 3 rinses Final spin	WS 6207 20 kg PW 6241 24 kg PW 6321 32 kg

Sluice low					
Programme stage	Suds ratio ¹	Thermo stop	Temperature	Temp. holding time (wash time 2)	Programmed wash duration approx.
Pre-rinse 1	1:7	no	cold	-	5 min.
Pre-rinse 2	1:7	no	cold	-	4 min.
Pre-wash	1:7	yes	60°C	5 min.	-
1 minute spin at 500 rpm					
Disinfection	1:5	yes	65°C	10 min.	- ²
2 minute spin at 800 rpm					
Rinse 1	1:5	no	cold	-	5 min.
1 minute spin at 800 rpm					
Rinse 2	1:5	no	cold	-	5 min.
1 minute spin at max. rpm					
Rinse 3	1:4	no	cold	-	5 min.
5 minute spin at max. rpm					
Sluice high					
Pre-rinse 1	1:7	no	cold	-	5 min.
Pre-rinse 2	1:7	no	cold	-	4 min.
Pre-wash	1:7	yes	60°C	5 min.	-
1 minute spin at 500 rpm					
Disinfection	1:5	yes	71°C	3 min.	- ²
2 minute spin at 800 rpm					
Rinse 1	1:5	no	cold	-	5 min.
1 minute spin at 800 rpm					
Rinse 2	1:5	no	cold	-	5 min.
1 minute spin at max. rpm					
Rinse 3	1:4	no	cold	-	5 min.
5 minute spin at max. rpm					

¹depends on size of load and type of textile;

²depends on type of heating and on the water temperature with hot water fill machines.

Programme overview: water recovery

Water recovery cleaning

This programme is for cleaning the water recovery unit. It should be run if the unit is not going to be used for a longer period of time and again before using it again.

Programme	Fabric type	Programme sequence	Load ratio/ Load capacity
Water recovery - cleaning		Drain Rinse Drain Clean Drain Rinse Drain	
Water recovery - drainage		Drain	



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