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these machines, or on any of our other
products.

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Laundry machines for
**Universal
applications**



- Launderettes
- Hotels and restaurants
- Professional cleaners
- Residential homes
- Floor cleaning
- Table, bed and bathroom linen
- Emergency services
- Equestrian centres
- Sporting establishments
- Holiday establishments

Home-from-home professional laundry care: effective washing processes, compact working area and short drainage systems, enabling your laundry to be washed and dried to perfection and redeployed with maximum speed and efficiency.

Professional laundry service

2



Miele laundry machines offer expert textile care for the specialist market – to anyone wanting an efficient system that is individually tailored to their requirements. The high demands placed on laundry machines by tasks as diverse and challenging as the meticulous washing and ironing of bed linen and pillows in a luxury hotel to the sterile laundering and reproofing of protective clothing in the control centre for the emergency services, or freshening up horse blankets and equestrian tack in the stable, are best served by having your own on-site laundry. Miele professional machines are custom-made to meet individual needs, and offer the perfect solution with optimum economy.

Miele laundry machines set the standard for a diverse range of situations, including specialist garment care, the cleaning of protective clothing, and laundry care in the hotel and catering industries. Using special programme packages and innovative controls, Miele machines are able to tackle everyday and more unusual laundry problems – safely, conveniently and economically. The tried and tested Miele programmes are tailored to clean and finish specific textiles, as well as carry out specialist procedures such as disinfecting and proofing.

The MIELE SOFT CLEAN SYSTEM, for example, offers optimum care for duvets and blankets; dedicated cleaning and proofing programmes ensure the correct processing of protective clothing and breathing masks; and specialist cleaning programmes tailored to individual needs guarantee the simple, hygienic laundering of horse blankets and other equestrian equipment. The ideal solution to any situation!

Typically Miele

3

Professional solutions for professional users: Miele has been leading the field in developing washer-extractors and cleaning processes for over a century. As well as versatile machine systems for in-house laundries, adaptable to every size of business, the product range includes practical accessories, as well as professional dishwashers for all daily dishwashing requirements. A complete service from just one source.

Miele Professional's system solutions offer sophisticated washer-extractors and tumble dryers perfectly matched in output and economy for capacities ranging from 5.5 kg to 32 kg, complemented by rotary ironers for the perfect finish: innovative technology for individual requirements.

INNOVATION M is the latest generation of Miele professional machines. The new machines incorporate patented technology such as the MIELE HONEYCOMB DRUM for maximum longevity of your expensive linen, the new SHIELD style front design, and state-of-the-art Miele intelligence with the new freely programmable PROFITRONIC M controls. This innovative technology also ensures even greater economy. The new generation machines are all designed to perform thousands of problem-free programme cycles effortlessly.

Miele laundry machines offer high tech, high quality that is made in Germany. Product development and production are carried out in compliance with the quality standards set by DIN EN ISO 9001.



The ideal solution for specialist applications:
individually tailored, economical care for a wide variety of items
in your own in-house laundry
– fast throughput, excellent results, low costs.

Professional solutions for individual requirements

4



Miele is a byword for quality and this features foremost in the design philosophy of all Miele equipment. We know that reliability is a key requirement and Miele machines are manufactured to a high engineering standard to provide the durability that is essential for a trouble free working life in demanding commercial applications.

To achieve and maintain this high standard Miele manufactures many of the component parts, including the electronic controls units, in its own plants. Great importance is placed on development and in 2003/4 Miele invested EUR 135m in expansion of the company. INNOVATION M is now introduced as part of that investment programme and sets a new benchmark for commercial laundry equipment. Designed for use by laundry professionals and with an emphasis on minimising life time costs, the INNOVATION M range of washing machines and tumble dryers offers a high degree of versatility.

The PROFITRONIC M control is simple to operate yet also features flexible functionality to enable the user to adapt the machine to suit their own working practices.

Standard wash programmes have been optimised to provide high quality wash results with minimum energy consumption. In addition, Miele's experience in a wide range of commercial applications has resulted in the development of special wash programmes which can be specified as a factory installed option or easily added as a retro-fit using the chip card. From bedding and curtain programmes for hotels, horse blanket cleaning in equestrian centres, processing protective clothing for emergency services to the washing and disinfecting of soiled laundry in healthcare applications to meet HSG (95)18 and The Care Standard Act 2000, whatever the application Miele INNOVATION M will provide the solution.

Miele's laundry machines offer flexible combination options for washing, drying and ironing to create the perfect, individual laundry facility – tailor-made for every requirement.

Versatile combinations

Miele's laundry machines can be combined to give the perfect capacity and throughput for every size of business. Whether as a basis for combining in-house and commercial laundry services, as a space-saving solution for small hotels and guesthouses, as a universal solution for the classic hotel and restaurant or as a high throughput system for large hotels and restaurants, with Miele's laundry machines you are investing in higher throughput and greater economy.

Examples of Miele's system solutions for outputs of different capacities can be found on pages 22 to 41.

Washing

Miele's 5.5 to 7.5 kg capacity washer-extractors are the ideal entry level machines for small, in-house laundries. And then there are the new 10 to 32 kg machines with Profitronic controls which set new standards in user technology and economy. For example, the optional weighing system, which optimises consumption levels according to the volume of laundry, considerably reduces running costs.

Drying

The perfect complement to Miele washer-extractors are the Miele dryers with capacities of 6.5 to 30 kg. The intelligent Troctronic and PROFITRONIC M controls offer highly developed drying programmes for optimum versatility. Here, too, savings are to be made in energy consumption: the AIR RECYCLING system ensures shorter running times by recycling approximately 60% of the exhaust air back into the drying cycle.

Ironing

Miele's rotary ironers have different length rollers to provide the perfect solution for every situation, from small establishments with restricted space availability to big businesses with large amounts of linen to process.



Compact washer-extractors with 5.5, 6.5 and 7.5 kg capacity are ideal for the small, professional in-house laundry – or the perfect additional machine for individual departments within a larger establishment.

Washer-extractors The compact solution

6



PW 6055 PLUS (illustrated)

- 5.5 kg capacity
- HONEYCOMB DRUM, 54 l volume
- 1400 rpm spin speed
- G-factor 526, residual moisture level 50%
- Freely programmable PROFITRONIC L PLUS controls with short-cut buttons

PW 6065 PLUS

- 6.5 kg capacity
- HONEYCOMB DRUM, 59 l volume
- 1400 rpm spin speed
- G-factor 526, residual moisture level 50%
- Freely programmable PROFITRONIC L PLUS controls with short-cut buttons



W 6073 (illustrated)

- 7.5 kg capacity
- HONEYCOMB DRUM, 73 l volume
- 1200 rpm spin speed
- G-factor 450, residual moisture level 51%
- MULTITRONIC controls

WS 5073

- as above, but with standard drum



W 6071 (illustrated)

- 7.5 kg capacity
- HONEYCOMB DRUM, 73 l volume
- 1200 rpm spin speed
- G-factor 450, residual moisture level 51%
- Freely programmable PROFITRONIC controls

WS 5071

- as above, but with standard drum

The new 10–20 kg capacity INNOVATION M machines and the tried and tested 24 and 32 kg capacity high throughput solutions fulfil every requirement when it comes to the economical processing of large amounts of laundry.

Washer-extractors

The universal and high throughput solutions

7



PW 6101 (illustrated)

- 10 kg capacity
- HONEYCOMB DRUM, 100 l volume
- 1200 rpm spin speed
- G-factor 475, residual moisture level 47%
- Freely programmable PROFITRONIC M controls

PW 6131

- 13 kg capacity
- HONEYCOMB DRUM, 130 l volume
- 1100 rpm spin speed
- G-factor 400, residual moisture level 47%
- Freely programmable PROFITRONIC M controls



PW 6161 (illustrated)

- 16 kg capacity
- HONEYCOMB DRUM, 160 l volume
- 1150 rpm spin speed
- G-factor 500, residual moisture level 47%
- Freely programmable PROFITRONIC M controls

PW 6201

- 20 kg capacity
- HONEYCOMB DRUM, 200 l volume
- 1100 rpm spin speed
- G-factor 460, residual moisture level 47%
- Freely programmable PROFITRONIC M controls

All versions

- Electric, gas or steam heated

**PW 6241 (illustrated)**

- 24 kg capacity
- HONEYCOMB DRUM, 240 l volume
- 1100 rpm spin speed
- G-factor 542, residual moisture level 46%
- Freely programmable PROFITRONIC M controls
- Electric, gas or steam heating

PW 6321

- 32 kg capacity
- HONEYCOMB DRUM, 320 l volume
- 1000 rpm spin speed
- G-factor 448, residual moisture level 53%
- Freely programmable PROFITRONIC M controls
- Electric, gas or steam heating

**WS 5230 (illustrated)**

- 24 kg capacity
- 240 l volume
- 950 rpm spin speed
- G-factor 403, residual moisture level 49%
- Freely programmable PROFITRONIC controls
- Electric or steam heating

WS 5323

- 32 kg capacity
- 320 l volume
- 800 rpm spin speed
- G-factor 286, residual moisture level 50%
- Freely programmable PROFITRONIC controls
- Electric or steam heating

Miele – Adding value



Miele can look back on decades of experience in developing washer-extractors and cleaning processes. The concepts and features of Miele's professional up-to-the-minute washer-extractors, tumble dryers and high throughput rotary ironers are based on this experience. The advantage to the customer is that every establishment can be given comprehensive advice and a thorough analysis of its operating and economic requirements. Even the installation of the machines is planned down to the smallest detail, including drawings where required. As for investment planning, Miele offers tailor-made finance and leasing models.

**Better
know-how**



Miele offers high tech that is made in compliance with DIN EN ISO 9001. Solid construction, high quality materials, sophisticated technology and excellence of finish with electronic components that are made in-house guarantee the legendary longevity of Miele machines. The reliability of all components and patented technologies are further examples of the optimising of Miele quality through technical innovation.

"Forever better" – has been Miele's philosophy for over one hundred years. Miele was awarded the "Best practice" award 2002 for innovation, reliability and quality of product by the Institute for Productivity and Quality (IPQ).

**Better
quality**



From start to finish, Miele is the professional partner for your laundry – perfect laundry care for satisfied customers. Easy access to Miele ensures prompt attention for all enquiries, while Miele's network of sales and service centres guarantees fast assistance when help is needed. Special maintenance and service contracts ensure downtime is minimised and provides extra peace of mind.

**Better
service**

Tumble dryers to complement washer-extractors of all sizes:
highly economical thanks to short running times and gentle handling
in both the smooth walled drum and the honeycomb drum.

Tumble dryers

The perfect complement

10



PT 7136 PLUS

- Vented drying system
- Load capacity: 6.5 kg
- Honeycomb drum, 130 l volume
- Large capacity filter
- PROFITRONIC L PLUS controls
- Electric heating
- Drum lighting
- Short cut buttons

PT 7135 C PLUS

- Condenser drying system, condensate drained away via drain hose at rear of machine
- Load capacity: 6.5 kg
- Honeycomb drum, 130 l volume
- Electric heating
- Drum lighting
- Short cut buttons
- PROFITRONIC L PLUS controls



T 6185

- Vented drying system
- Load capacity: 7.5 kg
- Honeycomb drum, 185 l volume
- Electric or gas heating
- Programmable TROCTRONIC controls
- Drum lighting
- 9 sensor drying programmes
- 2 timed drying programmes



PT 7251 (illustrated)

- Vented dryer with air recycling drying system
- 10 kg capacity
- HONEYCOMB DRUM, 250 l volume

PT 7331

- Vented dryer with air recycling drying system
- 13 kg capacity
- HONEYCOMB DRUM, 325 l volume

PT 7401

- Vented dryer with air recycling drying system
- 16 kg capacity
- HONEYCOMB DRUM, 400 l volume

PT 7501

- Vented dryer with air recycling drying system
- 20 kg capacity
- HONEYCOMB DRUM, 500 l volume

All versions

- Freely programmable PROFITRONIC M controls
- PT 7251 and PT 7331 – Electric or gas heated
- PT 7401 and PT 7501 – Electric, gas or steam heated

T 6251

- Vented dryer with air recycling drying system
- 10 kg capacity
- Smooth walled drum, 250 l volume

T 6351

- Vented dryer with air recycling drying system
- 14 kg capacity
- Smooth walled drum, 350 l volume

T 6551 (illustrated with stainless steel front)

- Vented dryer with air recycling drying system
- 22 kg capacity
- Smooth walled drum, 550 l volume

T 6751

- Vented dryer with air recycling drying system
- 30 kg capacity
- Smooth walled drum, 750 l volume

All versions

- Electric, gas or steam heated
- Programmable TROCTRONIC controls
- 9 sensor drying programmes
- 2 timed programmes

For technical data see page 49

The advantages of Miele's Professional technology

MIELE'S LITTLE GIANTS Washer-extractors

12



WRAS
APPROVED
PRODUCT

PW 6065 PLUS

Quality build

Miele machines are made with the highest quality materials and expert workmanship. All components, from the shock-absorbers on the drum cradle and the drum bearings to the outer casing and the very last nut and bolt in the machines, are quality tested to ensure many years of good service. Depending on model both the washer-extractors and tumble dryers are available with either a high-grade stainless steel housing, or a high-quality vitreous direct enamel housing which is resistant to corrosion, yellowing and chipping.

Spaceframe construction

Many machines are awkward to service because opening them to access components is a lengthy process. With a MIELE LITTLE GIANT the front, sides and lid are easily removed by undoing a few screws, so all major working parts are easy for a service engineer to access.

Patented Honeycomb drum

Miele's unique patented Honeycomb drum is made from high grade stainless steel. With a sculptured surface, a thin film of water cushions the garments in the drum to reduce fibre breakage and pilling. The specially designed drum ribs together with optimised drum rhythms help drench the laundry quickly so programme durations are shorter, water consumption levels are kept down and your laundry gets the best possible care.

Large capacity drum with drum lighting

The new drums have a maximum load capacity of 5.5 kg (PW 6055 PLUS) or 6.5 kg (PW 6065 PLUS) dry weight and are ideal for the efficient processing of large quantities of laundry. With a 30 cm wide door aperture, access for loading and unloading has been improved, and because the drum has integrated lighting there is no danger of leaving something behind when unloading it.

Efficient professional motor

The powerful asynchronous motor with its frequency-controlled drive system enables a gentle run-up to spin and high spin speeds of up to 1400 rpm to be achieved. A patented two-stage imbalance sensing system guarantees optimum laundry distribution during spinning, ensures maximum spinning performance and is a contributing factor to the legendary longevity of Miele machines. With a G-factor of 526, water extraction is very efficient and laundry can be dried quickly and efficiently in the matching tumble dryer afterwards.

Individual solutions for individual requirements

Up to 4 liquid detergent dispensing pumps can be connected to the machine for simple, precise and economical dispensing. The machines can also be connected to a payment system and are equipped with a serial interface for connection to a pc or printer.

MIELE'S LITTLE GIANTS

Tumble dryers

13



Large filter in the new dryers



PT 7136 PLUS

Patented Honeycomb drum

The hexagonal pattern in the drum on the tumble dryers is convex, creating air pockets to gently catch and cushion the laundry as it tumbles to the bottom of the drum. This allows warm air to surround the laundry enabling more efficient drying. And with less friction between fabric and the drum, laundry comes out smoother and less creased, so finishing is easier too.

Large area fluff filter

The large surface area of fluff filter on the vented dryer is capable of collecting the fluff from up to 16 drying cycles (depending on the type of fabric being dried).

Vented or Condenser?

MIELE'S LITTLE GIANT tumble dryers are available in both vented and condenser versions. The condenser tumble dryers also have a pump-away facility to drain the condensate through a waste pipe at the rear which can be connected to a sink, drain outlet, etc. So whatever the site conditions there's a dryer to suit!

Winning combination

MIELE'S LITTLE GIANT tumble dryers with their extremely short programme durations and large drum capacity enable large quantities of laundry to be processed quickly and efficiently. With short turn-around times you can reduce the amount of time spent processing laundry each day.

Spaceframe construction

Many machines are awkward to service because opening them to access components is a lengthy process. With a MIELE LITTLE GIANT the front, sides and lid are easily removed by undoing a few screws, so all major working parts are easy for a service engineer to access.

Installation friendly

Where space is at a premium the tumble dryer can be stacked on top of a Miele washer-extractor using a special stacking kit. (See illustration on page 23). This option only requires 600 x 700 mm of floor space!

The advantages of Miele's Professional technology in the 10 to 32 kg range

Washing and drying with the new generation of machines

14

INNOVATION **M**



TECHNOLOGY

Miele's patented stainless steel **HONEY-COMB DRUM** guarantees optimum care for all fabrics. The laundry floats on a protective film of water, making it almost impossible for fibres to be drawn through the perforations. The specially designed drum ribs allow the water to saturate the laundry very quickly, reducing washing times.

The high spin speeds with a G-factor of up to 500 make for optimum water extraction and the innovative shape of the drum makes unloading very easy.

The large, hydraulic controlled drain valve guarantees fast drainage, while safety checks ensure a high level of reliability. The large drain valve diameter prevents it from becoming blocked by foreign objects, and because it is connected directly to the suds container, no water or detergent are lost.

Electrical installation is simple via the integrated connection box at the rear of the machine, with no need to remove the lid of the appliance. There are also connections for detergent dispensers at the rear of the machine (10 for liquid agents and 2 for viscous agents).

The patented Miele **HONEY-COMB DRUM** is also used for the tumble dryers where it guarantees a high level of drum stability and optimum fabric care. The laundry floats on a gentle cushion of air as it dries, resulting in less creasing which is a distinct advantage when it comes to ironing.

Drying is particularly fast and gentle thanks to the axial air current and the recirculating vent baffle system. Once the hot air has become saturated, a baffle can be switched from the energy saving **AIR RECYCLING** system to venting alone.

Miele technology guarantees economy as well as quality as the machines are designed for over 30,000 programme cycles.



Details of the new dryers



INTELLIGENCE

The freely programmable **PROFITRONIC M** controls offer 16 standard programmes for optimum efficiency, including the new "Handwashable Woollens" programme. 183 programme slots are available either for individual programming or for the Miele programme packages. The graphic display combines symbols and clear text for easy programming and programmes are selected via a rotary dial. The machines can also be operated via chip card.

Temperatures, temperature holding times, wash times, drum rhythms and spin speeds are all programmable to suit your needs. The laundry to suds ratio is freely programmable, and the load recognition system automatically controls the water intake to suit the size of each individual wash load.

An automatic weighing system and dispenser pumps are available as optional extras to ensure optimum dosing of detergent and no overloading. The amount of detergent to be used can be entered in ml, ml/l and ml/kg.

PROFITRONIC M controls also feature on Miele tumble dryers for the first time, making them freely programmable, so the drying process can be ideally adapted to all manner of different fabrics. The precise residual moisture monitor ensures that laundry is never overdried.

DESIGN

The 65 mm thick Miele shield styled front on the washer-extractors offers far more than protection and stability. The chrome nickel steel used is resistant to chemicals. The front of the tumble dryers also have the sophisticated shield design to match the washer-extractors. The powder coated housing is highly scratch resistant. A stainless steel front option is available for tumble dryers.

The large door openings (washer-extractors 370 mm*, tumble dryers 520 mm) with a generous 180 degree opening angle and elevated position are ergonomically ideal for easy loading and unloading.

The new Miele washer-extractors and dryers have won several design awards*.



reddot design award
winner 2004



Designpreis der
Bundesrepublik
Deutschland
Nominiert 2004

* Except PW 6241 and PW 6321

Rotary ironers create the perfect finishing touch to the in-house laundry: there are easy to use, powerful machines to suit different amounts of laundry. They need very little space, can even be sited against a wall, and operated by a single person.

The perfect finish with small, compact rotary ironers

16



HM 21-100

- Roller diameter 210 mm
- Roller length 1005 mm
- Electric heating
- Output up to 23 kg/h at 15% residual moisture
- Output up to 14 kg/h at 25% residual moisture
- Feed-in and return of laundry to the front
- Can be installed against a wall



HM 21-140

- Roller diameter 210 mm
- Roller length 1395 mm
- Electric heating
- Output up to 27 kg/h at 25% residual moisture
- Feed-in and return of laundry to the front
- Can be installed against a wall

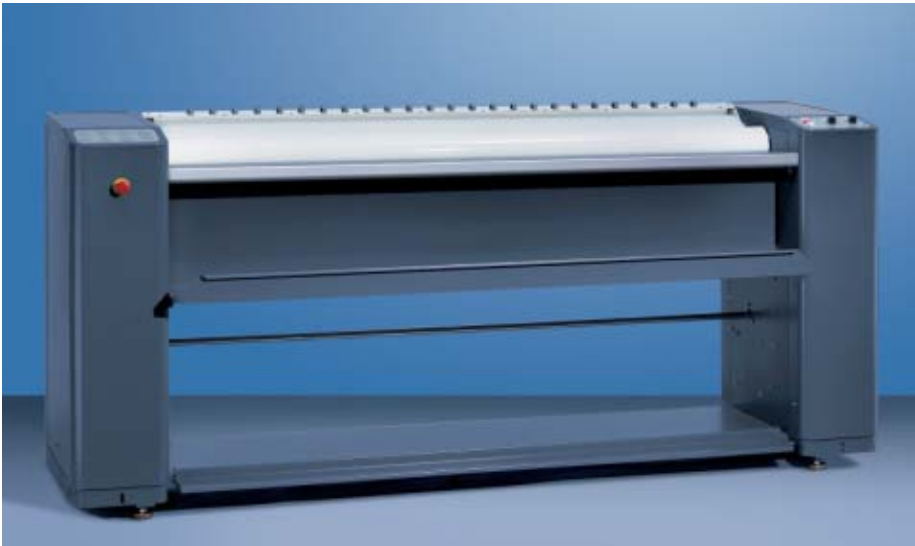


HM 5316

- Roller diameter 250 mm
- Roller length 1650 mm
- Electric heating
- Output up to 47 kg/h at 25% residual moisture
- Feed-in and return of laundry to the front
- Can be installed against a wall

The perfect finish with large, high throughput rotary ironers

18



HM 29-175 (illustrated)

- Roller diameter 300 mm
- Roller length 1750 mm
- Electric or gas heating
- Output up to 56 kg/h (EL) at 25% residual moisture
- Output up to 39 kg/h (EL) at 40% residual moisture

HM 38-175

- Roller diameter 365 mm
- Roller length 1750 mm
- Electric or gas heating
- Output up to 67 kg/h (EL) at 25% residual moisture
- Output up to 46 kg/h (EL) at 40% residual moisture

HM 38-205

- Roller diameter 365 mm
- Roller length 2040 mm
- Electric or gas heating
- Output up to 77 kg/h (EL) at 25% residual moisture
- Output up to 56 kg/h (EL) at 40% residual moisture

EL = electric heating



MM 50-175

- Roller diameter 500 mm
- Roller length 1750 mm
- Electric heating
- Output up to 80 kg/h at 46% residual moisture
- Output up to 70 kg/h at 53% residual moisture

MM 50-205

- Roller diameter 500 mm
- Roller length 2040 mm
- Electric heating
- Output up to 99 kg/h at 46% residual moisture
- Output up to 86 kg/h at 53% residual moisture

The advantages of Miele's Professional technology

Powerful rotary ironers

20



HM 38-205

TECHNOLOGY

Miele offer rotary ironers with roller diameters ranging from 210 to 500 mm.

Aluminium heater plates instead of steel, guarantee an excellent distribution of heat and considerably reduced heating up times. The foot control ensures that the roller can be easily stopped, eg. for steaming.

A pneumatic lifting device (on MM 50-175/205) creates a high pressure ironing action for an excellent finish.

The smaller ironers (pages 16/17) can be operated by one person and can be sited against a wall. An optional return-feed mechanism on the larger models enables them to also be operated by a single person for smaller items of laundry.

Ironer output (kg/h) (electric heating)

Residual moisture	Residual moisture				
	15%	25%	40%	46%	53%
HM 21-100	23 kg/h	14 kg/h			
HM 21-140		27 kg/h			
HM 5316		47 kg/h			
HM 29-175		56 kg/h	39 kg/h		
HM 38-175		67 kg/h	46 kg/h		
HM 38-205		77 kg/h	56 kg/h		
MM 50-175				80 kg/h	70 kg/h
MM 50-205				99 kg/h	86 kg/h

ECONOMY

The high throughput of a Miele rotary ironer does not necessarily mean high energy consumption. The ironer only produces heat when it needs it. For example, on the MM 50 models a 4-stage temperature control ensures a precise distribution of heat within the roller to the exact spot where it is needed.

On the large models with roller diameters of up to 300 mm, a durable roller cover with leaf-type padding and ARAMID Molton cloth is particularly economical. This can be chosen as an option instead of a cover made of elastic steel wool and ARAMID needle felt.

OUTPUT

Thanks to the residual moisture level of approximately 50% achieved by Miele's new washer-extractors, laundry need not be dried any further before it is fed into a rotary ironer with a high heat output from 40 kW (eg. MM 50-175).

Depending on the initial residual moisture and the type of ironer, an output of up to 99 kg/h can be achieved (see table above).

Miele's rotary ironers create an absolutely perfect finish for your linen without the use of starch.

Output figures according to DIN 11 902

The output levels achieved in practice are on average 20-40% lower than the maximum output level. The actual output depends on the skill and experience of the operator, the type of laundry being handled, how it is pre-sorted, the condition of the rotary ironer and the standard of finish required.



The Miele laundry system for Lauderettes

Miele's smallest professional laundry machines start with a load capacity of 5.5 kg, and include a washer-extractor, a tumble dryer and a rotary ironer, offering the complete laundry service for all your laundry. The high-performance MIELE LITTLE GIANTS can be fitted with a C 4060 coin box, making them perfect for installation in student halls of residence as well as in internet cafes and bistros. They are also ideal in establishments where a wide assortment of laundry is processed in succession, and where personal items are washed as well as commercial table linen, bedding, bathroom and kitchen items – the optimum system for small hotels, guest houses, restaurants and holiday establishments.

The patented MIELE HONEYCOMB DRUM in the Little Giants ensures top quality care for your laundry on all washing programmes. Every machine benefits from intelligent controls with 12 fixed programmes as well as special programmes for Kitchen linen, Table linen, Curtains, Pillows, Outerwear, Proofing and Disinfection. With a delay start function and short operating times (only 60 minutes for a 60°C Cottons programme), Miele's Little Giants are extremely user friendly, and their compact design allows for installation in a very small area, for instance by stacking the dryer above the washer-extractor, and installing the rotary ironer against a wall.

Output example

A 10-bed guesthouse where the linen is changed three times a week generates approx. 100 kg of laundry per week. This represents 18 wash cycles of 5.5 kg per week (or 3 cycles a day). Miele's entry-level PW 6055 PLUS with a load capacity of 5.5 kg, or PW 6065 PLUS with a load capacity of 6.5 kg, together with a PT 7136 PLUS dryer, are the ideal solution for this quantity of laundry.

The amount of laundry that would need ironing in this example (about 60%) would come to approx. 60 kg per week – a load that the Miele HM 21-100 rotary ironer can process in less than 4½ hours at a rate of 14 kg per hour.

Washing and drying on 0.5 m²





The Miele laundry system for Hotels and restaurants

The classic machines for in-house laundries: the Miele Universal solution offers a wide range of machines with capacities of 10, 13, 16 and 20 kg. Several machines can be placed side by side to give economical laundry care for almost any quantity. The different capacities also make the machines ideal for dealing with only part of a hotel's laundry requirements, eg. the bathroom linen can be taken care of in-house while bed linen is sent out. The larger machines combine perfectly with the Little Giants or the 7.5 kg compact machines to offer the optimum solution for every individual requirement.

Traditional hotels of all sizes, businesses and holiday establishments with restaurants and health spas all make the same professional demands on their laundries: simple handling for optimum output, short distances between work stations and a high level of versatility to cope with constantly changing types of laundry.

All the laundry generated in hotels and restaurants needs to be processed quickly, thoroughly and economically, from duvets to personal garments, to give guests a perfect service. Miele's innovative technology offers distinct advantages for this: the INNOVATION M washer-extractors and tumble dryers guarantee optimum functionality and versatility. They are also extremely economical, with energy consumption levels better than ever thanks to features such as the patented HONEYCOMB DRUM and the air recycling drying system in the tumble dryers which ensures optimum use of the drying air. The simple operation of the Miele rotary ironers means that large amounts of laundry can be ironed economically.

Output example:

A hotel with 55 beds where the linen is changed three times a week produces approximately 550 kg of laundry, which means carrying out 35 cycles of 15.7 kg every week (or five cycles a day). Miele has the universal solution with the 16 kg capacity PW 6161 washer-extractor and PT 7401 tumble dryer.

The amount of laundry to be ironed will be approximately 330 kg per week. The HM 38-205 rotary ironer can process this amount in just 10 hours*. Larger amounts of ironing can be handled by one of the larger models such as the MM 50-205, which will reduce the throughput time considerably. For example, this model requires no pre-drying as the heat output is suitable for residual moisture levels of around 50%. This, combined with the 50 cm diameter roller, means that very large amounts of ironing can be processed while maintaining low energy consumption levels. (See pages 20/21).

* (Electrically heated ironer, laundry with 40% residual moisture)



The Miele laundry system for Professional cleaners

27

Wet cleaning is kindling more and more interest in the astute customer for whom the specialist, environmentally friendly care of quality personal clothing is crucial. Professional cleaners who use wet cleaning systems stand out as competent partners in the cleaning industry.

Quality garments are ideal candidates for wet cleaning, including sports jackets, suits, wedding dresses, ball gowns, silk blouses, uniforms, wool trousers and pullovers. But this list is by no means complete, as about 80% of all fabrics and 90% of soiling can be cleaned using a wet cleaning system. The Miele professional systems together with the correct cleaning agents and the right wash programme offer the cleaning industry a method of cleaning quality garments gently and safely.

The PROFITRONIC controls on Miele laundry machines monitor the entire cleaning process down to the last detail, including the water level, temperature, detergent dosage and the precise drum rhythm of the MIELE HONEYCOMB DRUM, ensuring the utmost care of your delicate garments.

The MIELE HONEYCOMB DRUM is new for commercial machines of this size, and a first for 7.5 to 20 kg washer-extractors with the wet cleaning system and for 10 to 20 kg dryers. The special construction of the drum ensures maximum care for your laundry.

The new PW 6201 washer-extractor is the ideal machine for wet cleaning. It can take a maximum load of 13 kg for wet cleaning, or 20 kg for traditional washing, enabling larger loads to be processed quickly.

Up to 20 kg of laundry can be dried in the Miele PT 7501 dryer which uses an axial air stream drying system. The laundry "falls" from the top of the drum into the air stream, which blows parallel to the axle of the drum. The residual moisture levels are constantly monitored by sensors throughout the drying process, and the necessary adjustments made. The clothes turn smoothly in the MIELE HONEYCOMB DRUM, supported on a cushion of air which prevents the two main causes of damage to textiles – mechanical stress and over-drying.

The unique MIELE KREUSSLER SYSTEM with its range of innovative features offers cleaning establishments a chance to install an increasingly popular wet cleaning system, ensuring the high level of **customer satisfaction** which is essential for a successful future.

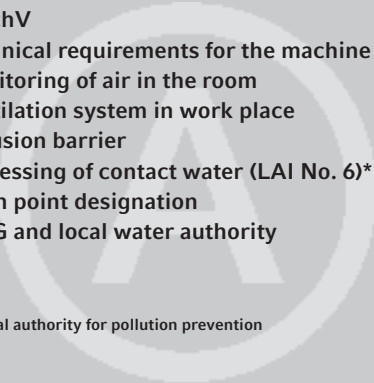
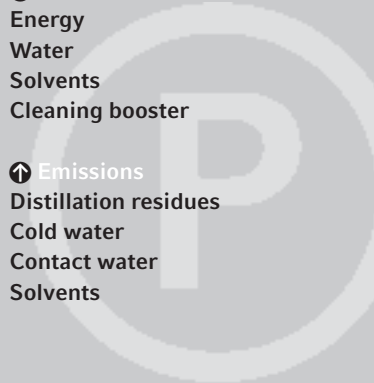
The advantages of wet cleaning over chemical dry cleaning



↓ Resources
Energy
Water
Special detergents

↑ Emissions
Waste water

! Regulations
WHG and local water authority



↓ Resources
Energy
Water
Solvents
Cleaning booster

↑ Emissions
Distillation residues
Cold water
Contact water
Solvents

! Regulations
BImSchV

- Technical requirements for the machine
- Monitoring of air in the room
- Ventilation system in work place
- Diffusion barrier
- Processing of contact water (LAI No. 6)*
- Flash point designation
- WHG and local water authority

* Regional authority for pollution prevention



28



The Miele laundry system for Residential homes

The laundry requirements of residential homes are extremely diverse, necessitating a very efficient, flexible, in-house laundrette. A multi-bedded home generates a corresponding amount of bed linen, bath towels and personal laundry. An efficient laundry facility should also be able to deal with duvets and pillows economically, as well as offer a professional service for the residents' personal clothing. The challenge is to provide comprehensive laundry care for satisfied residents.

Miele's INNOVATION M machines fulfil the necessary technical and operational requirements, and are highly functional, versatile and economical. Patented technology guarantees exceptional washing results with the MIELE HONEYCOMB DRUM, as well as low energy consumption through efficient use of the air in the dryer with the optimised recirculation/exhaust system. The simple-to-use PROFITRONIC M controls mean that programme packages such as the special Bedding programme can be easily selected.

And the gentle laundering processes mean that personal clothing, too, receives the optimum care, ensuring a residential home has everything it needs for the complete laundry service.

The ideal Miele solution for processing large quantities of a wide variety of different textiles in a residential home would be two PW 6201 washer-extractors and two PT 7501 dryers, each with a maximum load of 20 kg. The MM 50-205 is the ideal rotary ironer to complete the set. Its large 50 cm diameter roller and high heater rating enables preparation and ironing times to be kept to a minimum. Items require no pre-drying, as the heat output is suitable for residual moisture levels of around 50%.

The MIELE LITTLE GIANTS (PW 6065 PLUS washer-extractor and PT 7136 PLUS dryer) installed in a stack are perfect for laundries where residents do their own personal washing. They can take a maximum dry load of 6.5 kg, and the single dial for selecting programmes, including a Woollens programme for hand-washable laundry, is very easy to use. These machines benefit too from the unique MIELE HONEYCOMB DRUM, guaranteeing optimum laundry care. The wall-mounted C 4060 coin box is also available as an optional extra.





The Miele laundry system for Floor cleaning

31

Places such as hospitals require a particularly high standard of room hygiene. As with everywhere in the health service, great demands are placed on both staff and equipment. This requires highly developed machine technology for the washing and **disinfecting** of cleaning materials, as well as intelligent systems for optimising working procedures.

The Miele system offers safe, economical and flexible solutions for washing and disinfecting cleaning materials. Mops, for example, can be thermally or chemically disinfected during the programme, and then dried and put away until needed again, or treated with a cleaning solution or disinfectant for immediate re-use.

To be able to redeploy micro-fibre cloths immediately after washing and disinfecting, Miele has developed and patented a complete system for processing these by machine.

Compared to the traditional methods of washing, adding disinfectant, soaking and wringing out the cloths, and finally discarding the solution, the new process makes considerable savings on time, water and chemicals. Cloths are washed, disinfected and then finished in one process, and can be re-used the minute they are taken out of the machine without further treatment. A special folding technique, recommended by Vileda, maximises the performance of the cloth, and prevents the spread of germs. As soon as one room has been cleaned, the cloth can be sent back to the laundry for reprocessing. Even high foaming, aldehyde-free disinfectants can be used with this modern and efficient method of processing cloths in the Miele washer-extractor.

PROFITRONIC M
chip card operation





Washing, drying, ironing – excellent wash results and a perfect finish are an important part of the hospitality offered by hotels and restaurants. And having the right sized machine for your needs guarantees that these can be achieved economically.

The Miele laundry system for Table, bed and bathroom linen

A professional service creates satisfied customers – and perfectly laundered linen creates a feeling of wellbeing: pristine tablecloths and napkins are a mark of sophisticated dining while top quality bed linen and soft towels in the bathroom and spa are vital for making hotel guests feel pampered. And to ensure that laundry care is of the highest quality, an in-house facility is essential. Miele's Professional laundry machines, individually configured to suit the needs of large and small businesses, are the economical solution for the foresighted hotelier and restaurateur.

Miele laundry machines have special programme packages for dealing with the every day laundry requirements of hotels and restaurants. For the guest, the feeling of wellbeing begins in bed – and continues with perfectly laundered hand towels, tablecloths, napkins etc, and this can be achieved with an in-house laundry. Miele's tried and tested programmes ensure the correct washing process for every type of material.

The simple and economical **Bedding programme** improves standards of hygiene for quilts, pillows and synthetic and feather duvets, even for allergy sufferers. There are also programmes tailored particularly for clothing, e.g. woollen garments and jumpers, shirts, silk blouses and evening wear. The perfect service for your guests!

Load capacities for washer-extractors						
	PW 6101	PW 6131	PW 6161	PW 6201	PW 6241	PW 6321
Duvets	1	1	2	2	3	3
Pillows	2	3	4	5	6	7
Duvets/Pillows	–	1/1	1/2	1/3	2/2	3/2

Load capacities for tumble dryers						
	PT 7251	PT 7331	PT 7401	PT 7501	T 6551	T 6751
Duvets	1	1	2	2	3	3
Pillows	2	3	4	5	6	7
Duvets/Pillows	–	1/1	1/2	1/3	2/2	3/2



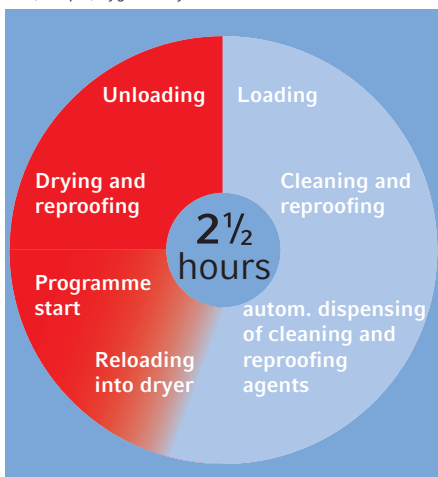
The Miele laundry system for the Emergency services

Protective clothing used by the Emergency services has high demands placed on it, and requires special treatment in the laundry. Most of the thermal, multi-layered fabrics used in these garments have a waterproof layer of Gore-tex®, Sympatex® or other similar material. In addition, reflective stripes are often attached to the outside of the garments to maximise visibility. Uniforms usually emerge from an incident heavily soiled, and require thorough, careful cleaning and immediate reproofing, depending on the fabric, to retain their safety and protective qualities. Simply drying protective clothing and occasionally washing it in a domestic washing machine is not adequate from either a hygienic or an economical point of view. Using a professional laundry is also uneconomical, as long distances and turnaround times would make it necessary to double up on the uniforms.

Miele PROFITRONIC machines offer an effective, inexpensive, technically advanced and easy-to-install solution for processing protective clothing on-site. They are easy and safe to use, with programmes designed to suit all types of fabric. Even the cleaning agents are dispensed automatically. Protective clothing is ready to use again in approx. 2½ hours, having been washed, re-proofed and dried. The thorough, gentle programmes in conjunction with the patented MIELE HONEYCOMB DRUM ensure that these expensive uniforms are treated particularly gently to preserve their quality. Breathing masks can also be processed in Miele machines. In conjunction with mask and detergent manufacturers, Miele has developed special washing and disinfection processes. An obvious advantage of this is that masks do not have to be dismantled for cleaning. They are simply put inside a special wash bag to protect the visor, and then placed in a holder to secure them during the gentle drying process. And as an example of just how versatile the Miele system is, ordinary textiles, blankets, sportswear etc. can also be processed in these machines.

The installation in our example of a Miele PW 6131 washer-extractor and a PT 7331 dryer is the ideal basic combination for processing protective clothing, breathing masks and chemical suits. Approx. two protective suits or 12 breathing masks can be washed, re-proofed, disinfected and dried in each load. The low consumption rates, together with perfect cleaning results, combine to create a system which is incredibly economical. For example, the drum speed on the dryer for the Breathing mask programme is only 20 rpm, ensuring the gentlest possible treatment for these expensive items. The masks only take approx. 40 minutes to dry, which is an enormous improvement on the 3–6 hours required to dry masks in an airing cupboard.

Fast, simple, hygienically clean



Load capacities for washer-extractors

	PW 6101	PW 6131	PW 6161	PW 6201	PW 6241	PW 6321
Protective suits	1–2	2	3	3–4	4	5
Protective jackets	2	3	4	5	6–7	8–9
Breathing masks	9	12	13	16	19	25
Chemical protective suits	–	1	1–2	2	3	4

Load capacities for tumble dryers

	PT 7251	PT 7331	PT 7401	PT 7501	T 6551	T 6751
Protective suits	1–2	2	3	3–4	4	5
Protective jackets	2	3	4	5	6–7	8–9
Breathing masks*	8	12	16	12	12	16
Chemical protective suits	–	–	–	–	–	–

* Each holder can take 3–4 masks, depending on the drum depth of the dryer.



36



The Miele laundry system for Equestrian centres

Good hygiene is essential for the well-being of horses that live in equestrian establishments, and the correct cleaning of all textiles that come into contact with the animals is an important part of this. Not only does accumulated dirt reduce the effectiveness of blankets, sweat rugs, saddle covers etc, it can also lead to unpleasant fungal skin conditions. What's more, an immaculate horse blanket is a sign of a well-kept horse, which is particularly important in competitions where great emphasis is placed on visual appearance. Washing blankets in a simple domestic machine will not achieve the desired result; it is a specialist job that requires the right technology and wash programmes. An on-site laundry within the equestrian centre has many advantages. Laundry can be done in situ as part of the daily routine and equine odours will remain in the stable.

Miele offers washer-extractors with capacities of 7.5 to 32 kg with special wash programmes for horse blankets and accessories which are the perfect solution for equestrian establishments. The equestrian programmes include four special programmes for washing and proofing horse blankets: a 30°C and a 60°C programme, a delicates programme and a programme with a proofing phase included for optimum waterproofing. The machines can also handle halters, girths, bandages, saddlecloths and similar textile items which are not always accepted by commercial laundries. Loading and operating the machines is simplicity itself. Just load the items via the generous door opening, select a programme and start the machine. If items are to be washed which give off a very large amount of fluff and hair, it is advisable to order a machine which has a special drum, and which is designed to allow the suds to move freely around the heating element to prevent horse hairs and dirt from becoming trapped in the machine. An additional fluff filter system between the machine and the drainage connection protects the domestic water supply against blockages.

Laundry can be clean and ready for use again in less than an hour. With high spin speeds and correspondingly low residual moisture levels, subsequent drying times are much reduced. Twelve drying programmes are available to dry the equipment gently and thanks to the new air and temperature controls with integrated air recycling system, drying is simple, economical and fast, not to mention environmentally friendly.

An entry level solution for equestrian centres would be the PW 6101 washer-extractor and PT 7251 tumble dryer which can process 1 winter blanket or 2 summer blankets or 7 saddle cloths per load. A range of practical accessories is also available, such as dispenser pumps, plinths and protective sleeves to cover buckles, as well as coin boxes for self service operation, making this a particularly economical option for stables.

Load capacities for washer extractors*

	PW 6101	PW 6131	PW 6161	PW 6201	PW 6241	PW 6321
Saddle cloths	7	9	11	12	15	18
Summer blankets	2	2-3	2-3	3	3-4	4-5
Winter blankets	1	1-2	1-2	2	2-3	3

Load capacities for tumble dryers*

	PT 7251	PT 7331	PT 7401	PT 7501	T 6551	T 6751
Saddle cloths	7	9	11	12	15	18
Summer blankets	2	2-3	2-3	3	3-4	4-5
Winter blankets	1	1-2	1-2	2	2-3	3

* Depends on composition of fabric



The Miele laundry system for Sporting establishments

“Be prepared” is a valid motto when it comes to sportswear. As soon as a training session or a match has finished, a pile of dirty clothes mounts up in the changing room – sweaty shorts and shirts, track suits, etc, with different types of soiling depending on the sport. When it comes to laundering sportswear, the kit manager and the washing machine become valued members of the team. Doing the laundry on-site in the club’s own machines is the professional and economic solution for many sports clubs. The main advantages are not having to transport the laundry any distance, and the convenience of being able to launder kit at any time. With special wash programmes and quick turnaround times, kit can be ready to wear again in next to no time.

The Miele ranges of professional washer-extractors and dryers with a maximum load capacity of 5.5 – 32 kg of dry laundry enables clubs to select the solution that best meets their needs.

The entry and compact ranges of machines offer maximum capacities of 5.5 to 7.5 kg, making them ideal for small clubs where the team’s kit has to be clean in time for the next match. The new washer-extractors and dryers in the INNOVATION M range with a maximum load of between 10 and 20 kg are the ideal machines for larger organisations. Installing a bank of these machines, or combining them with Miele 24 or 30 kg capacity laundry machines from the INNOVATION M generation, makes light work of even the largest mountains of laundry generated by professionals, amateurs and the latest generation of young players.

The machines are extremely easy to use. Programme information is shown in clear text format in the display, and then only needs to be confirmed/started.

Our example shows a high-performance solution with a PW 6101 washer-extractor and a PT 7251 dryer from the new INNOVATION M generation. Both machines have a maximum load capacity of 10 kg. Using the freely programmable PROFITRONIC M controls, the washing and drying programmes can be individually tailored to the fabric being laundered. For example, a pre-wash programme can be selected to deal with mud and heavy soiling. Something totally new for these machines is the patented MIELE HONEYCOMB DRUM. The smooth, slightly sculptured surface and the special pattern of the drum with fewer, smaller holes than a traditional drum ensure optimum care for clothing during washing and drying, leaving the grimeiest sports kit impeccably clean.



The Miele laundry system for Holiday establishments

Laundry facilities are very popular with guests in holiday establishments, youth hostels, campsites etc., and venues offering on-site facilities for laundering personal clothing and other items such as sleeping bags, bedding and outerwear, inevitably have the edge over the competition. Owners have the choice of offering either a full laundry service or a self-service laundrette for guests to use themselves. In both cases, it is very simple to plan, install and operate the machines.

The classic laundry machines for holiday establishments are the professional washer-extractors and dryers with load capacities of 5.5, 6.5 or 7.5 kg. Whether it is a single machine or a bank of several machines, the Miele laundry machines offer versatile options for the typical needs of holiday guests. The construction, Miele's legendary quality and the short programme times are all designed for continuous daily use by a constant stream of different people.

With the larger 10 kg INNOVATION M generation machines, e.g. the PW 6101 washer-extractor and the PT 7251 dryer, there is the option of extending the range of programmes to include typical holiday items such as sleeping bags and bedding. This means guests can wash and dry their laundry whilst on holiday, and return home with everything clean!

The example shows the Miele W 6073 washer-extractor and the T 6185 dryer with a maximum capacity of 7.5 kg. The 30 cm high stainless steel plinth raises the machines up to the ideal height for loading and unloading. As an alternative to the W 6073 with fixed programmes (illustrated), there is the W 6071 which is the same size but has freely programmable controls. Individual programmes can be written for every imaginable fabric, and saved to the machine's memory. Both machines feature the patented MIELE HONEYCOMB DRUM for exceptional results.

Load capacities for washer-extractors*						
	PW 6101	PW 6131	PW 6161	PW 6201	PW 6241	PW 6321
sleeping bags	1	1-2	3	3-4	4	5

Load capacity for tumble dryers						
	PT 7251	PT 7331	PT 7401	PT 7501	T 6551	T 6751
sleeping bags	1	1-2	3	3-4	4	5

* The load may vary depending on the type of sleeping bag being washed

MIELE'S NEW LITTLE GIANTS

5.5. and 6.5 kg capacity washer-extractors

42

Model number	PW 6055 PLUS	PW 6065 PLUS*
Capacity (kg)	5.5	6.5
HONEYCOMB DRUM, volume (l)	54	59
Spin speed (max. rpm)	1400	1400
G-factor	526	526
Residual moisture (%)	50	50
Controls		
PROFITRONIC L PLUS	•	•
24 h Delay Start feature	•	•
Plumbing		
Cold water, 1/2" with 3/4" threaded union	1x	1x
Hot water, 1/2" with 3/4" threaded union	1x	1x
Drain pump or dump valve	DN 22/DN 70	DN 22/DN 70
Electrical connection		
Asynchronous motor with frequency converter	•	•
2N AC 400 V 50 Hz	•	•
Heater rating [kW]	5.3	5.3
Total connected load [kW]	5.5	5.5
Fuse rating [A]	2x16	2x16
Can be converted to AC 230 V 50 Hz	•	•
Heater rating [kW]	2.65	2.65
Total connected load [kW]	2.85	2.85
Heating electric [EL]	EL	EL
Detergent dispenser		
3 compartment dispenser drawer	•	•
Optional extras		
Dispenser for liquid agents (conversion kit required)	•	•
Serial interface RS 232 (conversion kit required)	•	•
Dimensions, weight		
External dimensions H/W/D (mm)	850/600/715	850/600/715
Weight (kg)	106	108
Suitable for stacking	•	•
External finish		
Lid with stainless steel	•	•
Front + sides white ¹		
or stainless steel	•	•
Rear white ¹	•	•
¹ Direct enamelled		
Data quoted above is for a standard machine for the German market.		
For other countries data is available on request.		*60 Hz versions available on request

Washer-extractors

7.5 kg capacity

43

Model number	W 6073*	W 6071
Capacity [kg]	7.5	7.5
HONEYCOMB DRUM, volume [l]	73	73
Spin speed [max. rpm]	1200	1200
G-factor	450	450
Residual moisture [%]	51	51
Controls/programmes		
MULTITRONIC 23 programmes	•	–
PROFITRONIC, freely programmable	–	•
Plumbing		
Cold water, 1/2" with 3/4" threaded union	1x	1x
Hot water, 1/2" with 3/4" threaded union	1x	1x
Drain pump or dump valve	DN22/DN50	DN22/DN50
Electrical connection		
Three phase asynchronous motor with frequency converter	•	•
3N AC 380–415V 50Hz	•	•
Heater rating [kW]	8	8
Total connected load [kW]	8.5	8.5
Fuse rating [A]	3x16	3x16
Heating electric (EL)	EL	EL
Detergent dispenser		
4 compartment dispenser in lid of machine	•	•
Optional extras		
Dispenser for liquid agents	•	•
Serial interface RS 232	–	•
Dimensions, weight		
External dimensions H/W/D [mm]	1020/730/780	1020/730/780
Weight [kg]	147	147
Stackable	–	–
External finish		
Lid	Stainless steel	Stainless steel
Front	Stainless steel	Stainless steel
Sides	Octo blue ¹	Octo blue ¹
Rear	Galvanized	Galvanized

¹ Powder coated

Data quoted above is for a standard machine for the German market.

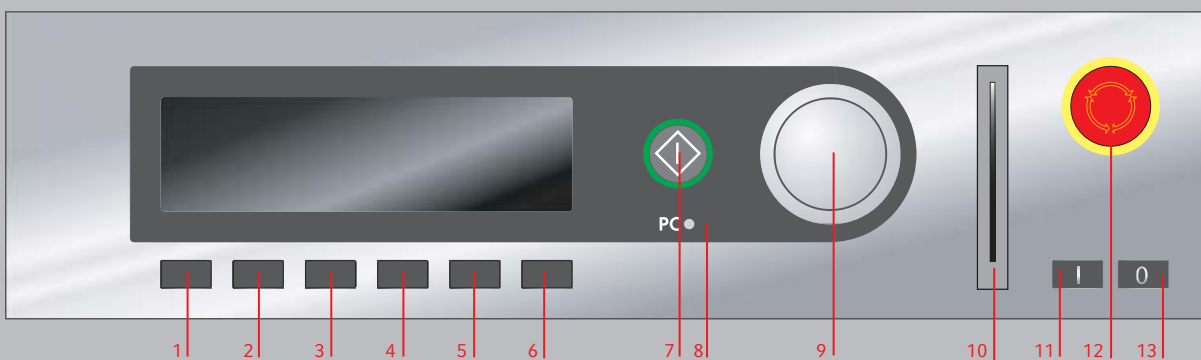
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*60 Hz version

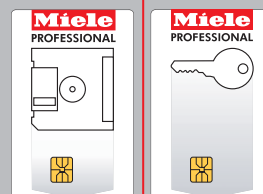
available on request

The new PROFITRONIC M controls are an innovation from Miele's electronic factory. All washer-extractors and tumble dryers in the PW and PT range now have the same controls and a unified control panel. The new PROFITRONIC M controls with memory function are freely programmable and can be updated at any time. There are 199 programme slots available, of which sixteen on the washer-extractor and twelve on the tumble dryer contain standard programmes. To complement the standard programmes, Miele also offers ready-made programme packages, e.g. for curtains, feather or synthetic duvets, horse blankets and protective clothing. A chip card reader can be used to lock certain programmes that should not be made generally available. Programme modifications and storage can be carried out independently or with the help of Miele Service Department.

The user is guided by clear text and graphic symbols. Programmes are selected via a rotary dial. The machines can also be operated by chip card if preferred. An optical interface is available for programming via a PC. Various parameters can be preselected: start time, programme end time, temperature, spin speed and language (with a choice of eleven different languages). Highly developed sensor technology ensures optimum reliability. The load recognition system optimises the use of energy, water, cleaning agents and time. A temperature sensor ensures precise control of the washing and drying temperatures and a load imbalance sensor automatically adjusts the spin speed if necessary.



- 1 – 6 Programming buttons
- 7 Start
- 8 Optical interface for PC
- 9 Multi-function selector with turn and press mechanism
- 10 Chip card reader with chip card (optional extra on dryers)
- 11 On button
- 12 Emergency stop switch
- 13 Off button



The new washer-extractors 10, 13, 16 and 20 kg capacity

Model number	PW 6101	PW 6131	PW 6161	PW 6201
Capacity [kg]	10	13	16	20
HONEYCOMB DRUM volume [l]	100	130	160	200
Spin speed [max. rpm]	1200	1100	1150	1100
G-factor	475	400	500	460
Residual moisture [%]	47	47	46	47
Controls/programmes				
PROFITRONIC M, freely programmable	•	•	•	•
Plumbing				
Cold water, 1/2" with 3/4" threaded union	2x	2x	2x	2x
Hot water, 1/2" with 3/4" threaded union	1x	1x	1x	1x
Hard water, 1/2" with 3/4" threaded union	Optional	Optional	Optional	Optional
Dump valve	DN70	DN70	DN70	DN70
Electrical connection (electric heating)				
Three phase asynchronous motor with frequency converter	•	•	•	•
3N AC 380–415V 50–60Hz	•	•	•	•
Heater rating [kW]	9	15	15	18
Total connected load [kW]	11.0	17.0	17.0	21.0
Fuse rating [A]	3x16	3x25	3x25	3x35
Heating options				
Electric (EL), Gas (G), Steam ² (HD, ND)	•	•	•	•
Detergent dispenser				
4 compartment dispenser in front of machine	•	•	•	•
Optional extras				
Dispenser for liquid agents	•	•	•	•
Serial interface RS 232	•	•	•	•
Dimensions, weight (electric heating)				
External dimensions H/W/D [mm]	1250/800/800	1250/800/910	1400/920/910	1400/920/1020
Weight [kg]	323	342	454	495
External finish				
Lid	Octo blue ¹	Octo blue ¹	Octo blue ¹	Octo blue ¹
Front	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Sides	Octo blue ¹	Octo blue ¹	Octo blue ¹	Octo blue ¹
Rear	Galvanized	Galvanized	Galvanized	Galvanized

¹ Powder coated

² Steam:

HD = High pressure steam

ND = Low pressure steam

Data quoted above is for a standard machine for the German market.

For other countries data is available on request.

Tumble dryers

7.5 kg capacity

48

Model number		T 6185 (Electric)*	T 6185 (Gas ³)
Capacity	kg	7.5	7.5
Drum volume	l	185	185
Vented dryer with air recycling system		●	●
Controls/programmes			
Programmable ТРОСТРОНИК, 9 sensor programmes, 2 timed programmes		●	●
Electrical connection			
3N AC 380–415 V 50 Hz		●	–
Heater rating	kW	8.1	–
Total connected load	kW	8.55	–
Fuse rating	A	3 x 16	–
AC 220–240 V 50 Hz		–	●
Heater rating	kW	–	6.5 (G 20) 5.4 (G 25)
Total connected load	kW	–	0.5
Fuse rating	A	–	1x10
Heating options , Electric (EL), Gas (G)		EL	G
Extraction ducting		DN100	DN100
Peak load cut-out		● (Optional)	●
Dimensions, weight			
External dimensions H/W/D	mm	1020/730/725	1020/730/725
Weight	kg	75	75
External finish			
Lid		Octo blue ¹ , Stainless steel ²	Stainless steel ²
Front		Octo blue ¹ , Stainless steel ²	Stainless steel ²
Sides		Octo blue ¹	Octo blue ¹
Rear		Galvanized	Galvanized
¹ Powder coated			
² Optional			
³ Natural gas only. This machine is not suitable for use with LPG			
Data quoted above is for a standard machine for the German market.			
For other countries data is available on request.		*60 Hz version available on request	

Tumble dryers 10, 13, 16 and 20 kg capacity

Model number	PT 7251	PT 7331	PT 7401	PT 7501
Capacity [kg]	10	13	16	20
HONEYCOMB DRUM, volume [l]	250	325	400	500
Vented dryer with air recycling drying system	•	•	•	•
Controls/programmes				
PROFITRONIC M, freely programmable	•	•	•	•
Electrical connection (electric heating)				
3 N AC 380–415 V 50 Hz	•	•	•	•
AC 220–240 V 50 Hz	G	G		
Heater rating [kW]	13.5	18	22.5	27
Total connected load [kW]	14.2	18.8	23.8	28.3
Fuse rating [A]	3x25	3x35	3x50	3x50
Heating options				
Electric (EL), Gas (G), Steam ³ (HD)	EL	EL	EL/G/HD	EL/G/HD
Exhaust ducting	DN150	DN150	DN150	DN150
Dimensions, weight (electric heating)				
External dimensions H/W/D [mm]	1400/900/836	1400/900/1019	1400/900/1148	1640/1200/1002
Weight [kg]	160	176	196	248
External finish				
Lid and front ²	Octo blue ¹	Octo blue ¹	Octo blue ¹	Octo blue ¹
Sides	Octo blue ¹	Octo blue ¹	Octo blue ¹	Octo blue ¹
Rear	Galvanized	Galvanized	Galvanized	Galvanized

¹ Powder coated ² Optional: stainless steel front ³ Steam: HD = High pressure steam, ND = Low pressure steam

Tumble dryers 10, 14, 22 and 30 kg capacity

Model number	T 6251*	T 6351	T 6551*	T 6751
Capacity [kg]	10	14	22	30
Drum volume [l]	250	350	550	750
Vented dryer with air recycling system	•	•	•	•
Controls/programmes				
TROCTRONIC, 9 sensor programmes, 2 timed programmes	•	•	•	•
Electrical connection (electric heating)				
3 N AC 380–415 V 50 Hz	•	•	•	•
AC 220–240 V 50 Hz	G			
Heater rating [kW]	13.5	18	27	36
Total connected load [kW]	14.3	19.05	29	38
Fuse rating [A]	2 x 25	3 x 35	3 x 50	3 x 63
Heating options				
Electric (EL), Gas (G), Steam ³ (HD)	EL	EL, G, HD	EL, G, HD	EL, G, HD
Air intake/exhaust ducting	DN 150	DN 150	DN 150	DN 150
Dimensions, weight (electric heating)				
External dimensions H/W/D [mm]	1390/900/814	1390/900/1039	1640/1200/949	1640/1200/1212
Weight [kg]	147	168	232	260
External finish				
Lid and front ²	Octo blue ¹	Octo blue ¹	Octo blue ¹	Octo blue ¹
Sides	Octo blue ¹	Octo blue ¹	Octo blue ¹	Octo blue ¹
Rear	Galvanized	–	Galvanized	Galvanized

¹ Powder coated, ² Optional: stainless steel front, ³ Steam: HD = high pressure steam, ND = low pressure steam

Data quoted above is for a standard machine for the German market. For other countries data is available on request. *60 Hz versions available on request.

Rotary ironers

Residual moisture 15–25%

50

Model number	HM 21-100	HM 21-140*	HM 5316*
Roller diameter [mm]	210	210	250
Roller length [mm]	1005	1395	1650
Aluminium heater plate	●	●	●
Cover: polyester-needle felt/ARAMID needle felt cloth	●	●	●
Heating, electric (EL)	EL	EL	EL
Electrical connection (electric heating)			
3 N AC 400–415 V 50–60 Hz	●	–	–
3 N AC 380–415 V 50 Hz	–	●	–
3 N AC 380–400 V 50 Hz	–	–	●
Heater rating [kW]	4.4	6.5	11
Total connected load [kW]	4.55	6.9	11.9
Fuse rating [A]	3x16	3x16	3x20
Output			
Roller speed [m/min]	1.3–3.5	1.8–5.7	1.2–3.9
Roller speed [rpm]	2.0–5.3	2.7–8.6	1.5–5.0
15% residual moisture [up to kg/h]	23	–	–
25% residual moisture [up to kg/h]	14	27	47
Laundry return feed			
To the front	●	●	●
Dimensions, weight			
External dimensions H/W/D [mm]	986/1280/415	1055/1644/670	1040/2160/590
Weight [kg]	77	117	216

Rotary ironers

Residual moisture 25–40%

Model number	HM 29-175	HM 38-175	HM 38-205
Roller diameter [mm]	300	365	365
Roller length [mm]	1750	1750	2040
Aluminium heater plate	●	●	●
Cover: polyester-needle felt/ARAMID needle felt cloth	●	●	●
Heating, electric (EL), Gas (G)	EL/G	EL/G	EL/G
Electrical connection (electric heating)			
3 N AC 380–415 V 50 Hz	●	●	●
Heater rating [kW]	16.5	21.3	24.7
Total connected load [kW]	17.05	22.1	25.5
Fuse rating [A]	3x35	3x50	3x50
Output (electric heating)			
Roller speed [m/min]	1.2–4.9	1.5–6.0	1.5–6.0
Roller speed [rpm]	1.3–5.2	1.3–5.2	1.3–5.2
25% residual moisture [up to kg/h]	56	67	77
40% residual moisture [up to kg/h]	39	46	56
Laundry return feed			
To the rear	●	●	●
To the front with return feed module	Optional	Optional	Optional
Dimensions, weight (electric heating)			
External dimensions H/W/D [mm]	1060/2400/1440	1060/2400/1520	1060/2690/1520
Weight [kg]	300	346	375

Data quoted above is for a standard machine for the German market. For other countries data is available on request. *60 Hz versions available on request.

Rotary ironers

Residual moisture 46–53%

51

Model number	MM 50-175	MM 50-205
Roller diameter [mm]	500	500
Roller length [mm]	1750	2040
Aluminium heater plate	●	●
Cover: polyester-needle felt/ARAMID needle felt cloth	●	●
Heating, electric (EL)	EL	EL
Electrical connection (electric heating)		
3 N AC 380–415 V 50 Hz	●	●
Heater rating [kW]	40	44.1
Total connected load [kW]	42	46
Fuse rating [A]	3x63	3x63
Output		
Roller speed [m/min]	1.4 – 8.5	1.4 – 8.5
Roller speed [rpm]	0.9 – 5.4	0.9 – 5.4
46% residual moisture [kg/h]	80	99
53% residual moisture [kg/h]	70	86
Laundry return feed		
To the rear	●	●
To the front with return feed module	Optional	Optional
Dimensions, weight (electric heating)		
External dimensions H/W/D [mm]	1150/2454/1747	1150/2741/1747
Weight [kg]	860	925
Data quoted above is for a standard machine for the German market.		
For other countries data is available on request.		

Output figures according to DIN 11 902

The output levels achieved in practice are on average 20-40% lower than the maximum output level. The actual output depends on the skill and experience of the operator, the type of laundry being handled, how it is pre-sorted, the condition of the rotary ironer and the standard of finish required.



Coin box C 4060

- Mechanical counter (2/8/9)
- Programme operation
- H 258, W 175, D 155 mm



Mobile rail GS

- This rail enables shirts, overalls etc on hangers to be transported conveniently. It is made of steel and can be dismantled
- Frame octo blue lacquer, rail stainless steel
- 4 castors (Ø 50 mm)
- H 160/L 155 cm



Mobile stand HS

- Special stand for shirts
- Steel tubing with 4 feet
- 4 castors (Ø 50 mm)
- 4 angled rails at the top, each with 5 adjustable hooks
- Octo blue lacquered
- H 176 cm



Trolley FG 85

- Galvanised
- Octo blue lacquered
- 4 castors
- H 29.2 cm loading height
- W 41, L 55 cm



Laundry basket WW 85

- Solid-sided plastic basket
- 2 handles
- Capacity: 85 l
- Red
- H 34.5 cm incl. handles
- W 54/L 80 cm



Laundry basket WK 85

- Plastic open-weave basket
- 2 handles
- Capacity: 85 l
- Red
- H 34.5 cm incl. handles
- W 54/L 80 cm



Mobile laundry tub FBW

- Aluminium tub with height-adjustable base to make it easier to reach smaller quantities of laundry. Upper edge of frame reinforced with metal and coated in plastic.
- Capacity: 380 l
- Load: up to 70 kg
- 2 castors and 2 fixed wheels
- H 86/W 69.5/L 111.5 cm



Mobile laundry tub TW 01

- Aluminium tub with solid sides and base. The sides are reinforced for extra stability.
- Capacity: 223 l
- 2 castors and 2 fixed wheels
- H 74/W 69/L 74 cm



Sail cloth trolley SW

- Collapsible frame with 4 castors
- Removable, durable sail cloth laundry basket
- Frame octo blue lacquered
- H 85/W 80/L 70 cm



Mobile racking RW 02

- Steel tubing construction with 4 plastic-coated shelves
- 4 castors (Ø 75 mm)
- 7 vertical struts on the back of the unit prevent laundry falling down the back
- Frame octo blue lacquered
- 2 castors and 2 fixed wheels
- H 160/W 120/L 50 cm



**Shelf unit – Basic frame STG
Add-on frame STA**

- Metal construction, galvanised, consisting of a basic frame and add-on frames. Quick and easy to assemble and dismantle.

- The basic frame can be extended using add-on frames at any time. Each element can hold 6 shelves.
- STG: H 185/W 97/D 50 cm
- STA: H 185/W 91/D 50 cm

Illustration shows 1 basic frame and 2 add-on frames



Shelving ABR

- 3 shelves on octo blue lacquered frame
- Designed to be attached to ironing table BT 4
- Shelves are laminated and water-resistant

Illustration shows special ironing table BT 4 with ironing cover and shelving ABR