

Purity and freshness to feel good

The genuine WetCare wet-cleaning system from Miele



WetCare®

# A success story for over 25 years

The genuine WetCare wet-cleaning system from Miele



# WetCare

25 years ago, Miele together with Kreussler first presented the original WetCare cleaning system for the gentle and environmentally friendly cleaning of outerwear. In close collaboration with users and textile engineers, the system has since undergone continuous improvement and been fine-tuned to match the requirements of dry cleaners. Today, it is evident that wet cleaning offers laundries many real and tangible benefits – even more so as the proportion of garments suitable for wet cleaning steadily rises.

## **Innovation through research**


WetCare is the result of intensive research into the gentle care of swellable natural fibres using significantly reduced levels of mechanical action. The driving force behind this work was the knowledge of the damage halogenated hydrocarbons have on the environment and human health. In the meantime, WetCare from Miele Professional is now available on all machine sizes from the Little Giants series upwards and offers commercial launderers important benefits.

## **A boon for dry cleaners**

WetCare gives laundry a pleasant fragrance. In terms of health, the environment, emissions and occupational safety, the genuine wet-cleaning system offers benefits across the board and meets all the requirements for Germany's 'Blue Angel' environmental label - compelling arguments which convince customers, hotel guests and residents of nursing homes alike.

## **An efficient and holistic system**

With WetCare, Miele Professional offers an entire system with perfectly matching components: Powerful washing machines and tumble dryers with WetCare programmes, the patented Miele honeycomb drum and freely programmable controls including operating data capture, as well as finishing equipment, a wide range of laundry accessories, an excellent factory service operation and a broad range of services for professional users.



# e 25 years original wet cleaning

Miele Professional is a decision in favour of top performance and quality. High-quality machines which reliably meet the expectations of the discerning, day in and day out, underline the trust placed by commercial users in Miele: 97% of all clients\* would buy from Miele again next time round.

## **Dependability**

As a family-run company, now in its fourth generation, our actions, as always, still stem from a sense of responsibility for our products and processes and towards our employees, business associates and the environment.

- A product development with a clear focus on quality, durability and sustainability
- Innovations 'Made in Germany'
- Award-winning ergonomics, functionality and product design
- Entire systems from a single supplier
- Lower operating costs over entire product life cycle (Total Cost of Ownership)
- Highly commended after-sales service offering blanket coverage and a fast response

# The gentle care of delicate textiles

## The intelligent system



Wool, cashmere, silks and intricate composite outerwear: WetCare achieves excellent cleaning results without the use of problematic chemicals and complicated technical equipment. The huge significance attached to wet cleaning in commercial laundry care is evidenced not least by the development of specific international care symbols.

### Meet WetCare!

Miele WetCare combines key innovations and technology Made in Germany to form a unique cleaning system. Delicate laundry is subjected to short bursts of drum rotation interspersed with extended relaxation pauses. In the process, laundry glides on a fine film of water. This gentle motion in the honeycomb drum enhances the shape retention and life expectancy of laundry items and, thanks to the drum's small perforations, prevents laddering.

Intermittent jostling and relaxation cycles, combined with a low water level, is precisely defined by Miele Professional in the WetCare programmes installed on the Profitronic controls. Accurately dispensed detergent sets to work on soils while other active ingredients prevent the excessive swelling of fibres. With this fine balance, Miele's WetCare achieves convincing cleaning results whilst at the same time avoiding felting and damage to fibres.

Consequently, WetCare is perfectly suited to thoroughly but gently washing delicate fabrics:

- Natural fibres such as angora, cotton, cashmere, linen, silk, pure new wool: e.g. trousers, shirts, skirts, blouses and dresses
- Semi-artificial fibres such as viscose and acetate, e.g. curtains, raincoats, costumes
- Synthetic fibres such as acrylics, polyester, Sympatex, GoreTex: e.g. Sportswear and functional garments, protective attire
- Leather clothing
- Featherbeds and duvets





International textile labelling according to DIN EN ISO 3758 indicates a garment's suitability for wet cleaning using the letter W in a circle.

Many textiles with symbols for dry cleaning (P or F in a circle) can be washed without difficulty in the WetCare system.

	Benefits of Miele WetCare compared with dry cleaning
Solvents	<ul style="list-style-type: none"> <li>• Halogenated hydrocarbons are replaced by water</li> </ul>
Chemical properties	<ul style="list-style-type: none"> <li>• Detergent: Almost completely biodegradable</li> </ul>
Fragrance of textiles/Air quality in laundries	<ul style="list-style-type: none"> <li>• Pleasantly fresh</li> </ul>
Removal of soil	<ul style="list-style-type: none"> <li>• Effective in tackling water-soluble soils (e.g. general dirt and dust, urine, salts)</li> </ul>
Technical sophistication	<ul style="list-style-type: none"> <li>• Standard laundry machines from Miele Professional equipped with WetCare programmes instead of special-purpose machines</li> </ul>
Environmental protection	<ul style="list-style-type: none"> <li>• Water can be discharged into sewage system without further treatment</li> <li>• No excessive regulations relating to occupational safety and immission control</li> <li>• No disposal of distillation residues</li> <li>• Environmental labels, e.g. 'Blue Angel' in Germany</li> </ul>
Resources	<ul style="list-style-type: none"> <li>• Low wash temperatures</li> <li>• No energy or cooling water required for the distillation of solvents</li> <li>• Low detergent consumption: Approx. 12 g per kg of textiles</li> </ul>



# WetCare from Miele Professional

More than just washing



## Dry cleaners

Commercial laundry businesses profit greatly from offering a broad range of specialised services, e.g. fast turnaround for specific textiles. Communicating the benefits of environmental protection and gently laundry care, for example with appropriate environmental labels, makes the system more attractive to existing and potential clients.

### Examples of use

- Shirts, trousers and skirts
- Workwear and protective apparel
- Garments worn by trade show representatives
- Gowns and evening dress
- Costumes
- Duvets

## Hotels

WetCare is a perfect match for on-premise laundries in hotels, allowing fast overnight cleaning services for demanding garments to be offered to guests and ensuring increased levels of satisfaction. At the same time, this improves the utilisation and economic feasibility of in-house laundries.

### Examples of use:

- Trousers and blouses, dresses and suits
- Leisure wear



#### **Care and nursing homes**

More and more homes are turning to WetCare as it offers the opportunity to wash unproblematic outerwear belonging to residents in-house – without having to contract work out. Valuable items worn and cherished by residents are effectively and gently cleaned and ridded of unpleasant odours, leaving the process fragrant and fresh.

#### **Examples of use:**

- Shirts and trousers
- Blouses and skirts
- Dresses, jackets and suits
- Duvets

#### **Conveners of trade shows and events, theatre businesses, costume rental agencies**

Sophistically tailored garments are never far away wherever high professional standards apply. Whereas complicated and difficult garments were previously sent for dry cleaning, they can now be processed cost-efficiently and according to requirements in an in-house laundry.

#### **Examples of use:**

- High-quality costumes
- Textile furnishings and stage decoration materials









# WetCare from Miele Professional

The complete system for economic wet cleaning

## **A holistic and beneficial system**

Dry cleaners, commercial laundries and on-premise laundries (for example in hotels and nursing homes) can considerably extend their range of services with WetCare, thereby opening up new and additional revenue streams. Miele's wet-cleaning system also offers a whole gamut of further benefits.

## **Greater efficiency and versatility**

- Fast and versatile processing covering all stages of laundry care process
- Short cycle times
- Low consumption
- Simple installation and approvals compared with dry cleaning installations

## **Convincing results throughout**

- Good removal of water-soluble soils
- Simple pre-spotting (mainly in the case of fat-based soils)
- Vibrant colours, pleasant odour and agreeable bounce
- Well accepted by employees, clients, guest and residents

## **Occupational safety and environmental protection**

- Improved workplace microclimate
- No residues needing special disposal
- Environmental labels, e.g. 'Blue Angel' in Germany



## **Conclusive environmental protection**

As a user of the Miele WetCare systems, German users can apply for the 'Blue Angel' environmental label awarded to aqueous processes. Miele Professional is able to provide assistance in submitting the application.

# WetCare from Miele Professional

Miele washing machines with the 'Sensitive', 'Silks' and 'Intensive' programmes



Model series	Load size [kg]	Drum volume [l]	WetCare nominal load [kg]			Specifications*
			Sensitive 25°C	Silks 30°C	Intensive 30–40°C	
<b>Little Giants</b>	6,5	59	4,0	3,0	4,0	Patented honeycomb drum Dispenser connections for up to 6 liquid products Installation as washer-dryer stack possible WetCare programmes and other standard programmes
<b>Octoplus</b>	8,0	80	4,0 – 5,0	3,0 – 4,0	4,0 – 5,0	Patented honeycomb drum Dispenser connections for up to 4 liquid products WetCare programmes and further standard programmes or programme packages for specific applications
	10,0	100	5,0 – 6,0	4,0 – 5,0	5,0 – 6,0	
<b>NEW Performance Plus</b>	11,0	110	6,6 – 9,0	5,0 – 6,6	6,6 – 9,0	Convenient door closure OneFingerTouch
	14,0	140	8,0 – 11,0	6,6 – 8,0	8,0 – 11,0	Patented honeycomb drum 2.0
	18,0	180	10,0 – 13,0	8,0 – 10,0	10,0 – 13,0	Innovative suds container design Optimum wash rhythm EcoSpeed Dispenser connections for up to 12 liquid products Operating data acquisition Freely programmable controls with 199 programme slots. WetCare programmes and comprehensive target-group programme packages
<b>Profitronic M</b>	24,0	240	12,0 – 16,0	9,6 – 12,0	12,0 – 16,0	Patented honeycomb drum Dispenser connections for up to 12 liquid products Operating data acquisition Freely programmable controls with 199 programme slots. WetCare programmes and comprehensive target-group programme packages
	32,0	320	16,0 – 21,0	13,0 – 16,0	16,0 – 21,0	

\* Technical features vary according to the model



**Miele Professional as full-line supplier**

Miele WetCare is a powerful and particularly economical system consisting of carefully matched individual components.

**Tumble Dryers**

Tumble Dryers from Miele Professional are the perfect extension to high-end laundry care. By drying a wide range of textiles fast, gently and precisely, these machines make a huge contribution to laundry care and excel in terms of cost-efficiency and conservation of resources.

- Gentle fabric care thanks to patented Miele honeycomb drum
- Spot-on drying results on all textiles thanks to patented PerfectDry system
- Reduced energy consumption and fast drying, in particular for bulky textiles thanks to patented Air Recycling Plus process
- Further heating systems: Gas, hot water and heat pump technology

**Finishing**

- Finishing equipment to cover all needs, e.g. multiform finisher, trouser toppler and ironing tables

**Accessories**

- Dispensing systems for liquid detergents and care products
- Machine plinth, weighing systems
- Trolleys, tubs, laundry racks

**Service**

- Wide-ranging support in definition of requirements and planning
- Fast on-site service and tailored maintenance contracts
- Staff training





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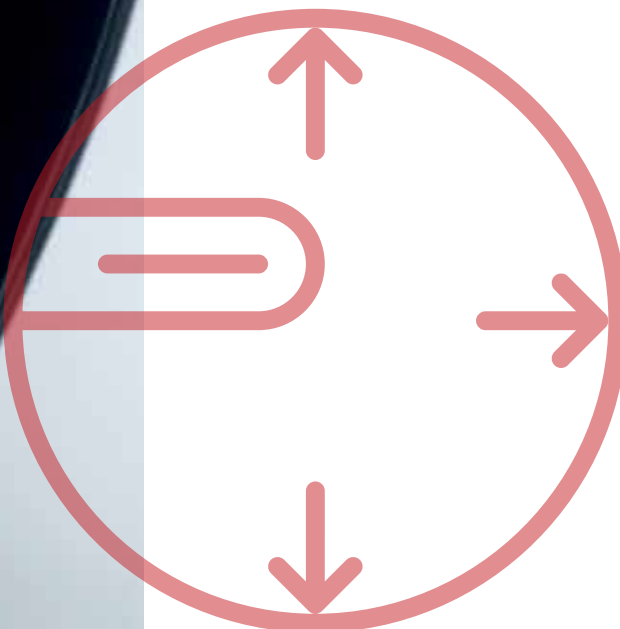
## PERFORMANCE PERFORMANCE-PLUS

### OneFingerTouch

High user convenience through automatic door lock

Simple and fast loading and unloading thanks to 415 mm door opening

With a diameter of 415 mm, the new washing machine door is particularly large and convenient. It also features Miele's new and patented OneFingerTouch door lock: Simply apply light pressure with the tip of a finger to close. The door is automatically locked at the outset of a programme and gently opens again of its own accord at the end of the cycle.



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## Honeycomb drum 2.0

### Optimum laundry care thanks to patented honeycomb drum 2.0 with redesigned shower ribs

The shower ribs on the honeycomb drum 2.0 scoop up water and transport it to the top of the drum during washing.

The new arrangement of perforations in the shower ribs allow up to 500 l of water to 'rain' down on the load per cycle, ensuring fast and intensive wetting. The sculptured body of the Miele honeycomb drum lets garments glide gently on a thin film of water.







Innovative suds container

Redesigned suds container for lower consumption

Highly efficient use of water and energy

The newly designed suds container closely hugs the inner drum, and the entrance to the sump with its heater elements is gently curved. This permits very low water levels, resulting in considerable savings: PERFORMANCE PLUS washing machines require around 20% less water and 30% less energy\* than the previous generation.







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### EcoSpeed

Perfect wash results in the shortest of times combined with maximum energy efficiency

The new wash technology on board washing machines from the PERFORMANCE Plus model series ensures perfectly clean laundry combined with short cycles and the lowest of water and energy consumption.

EcoSpeed operates with varying drum speeds. During the initial phase, a slow drum speed ensures that the shower ribs transport the maximum amount of water to the top of the drum. Even at the lowest of water levels, this shower effect ensures the fast wetting of textiles.

Wetting and drenching is followed by a gradual increase in rotational speed, forcing textiles against the body of the drum and squeezing them in the process. This compression results in a further intensification of the wetting processes, and also increases detergency. Thereafter, the drum speed is slowed down and the pressure on textiles is relaxed, allowing them to soak up more water once again.

These changes in drum speed, with intermittent shower and compression phases, are repeated several times over, ensuring perfect wash performance.

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# PERFORMANCE PLUS washing machines

Load capacity 11–20 kg / Profitronic M controls

## PERFORMANCE PLUS



Washing machine	PW 811	PW 814	PW 818
User interface	Profitronic M	Profitronic M	Profitronic M
Load capacity [kg]	11–12	14–16	18–20
Drum volume [l]	110	140	180
Max. spin speed [rpm]	1150	1075	1075
g-factor/residual moisture [%]	460/45	460/45	460/45
Cycle time** [mins.]	45	45	45
Heating types	EL	EL	EL
Drainage [DN 70]	AV	AV	AV
Front colour / material	Stainless steel	Stainless steel	Stainless steel
External dimensions H/W/D [mm]	1352/799/940	1452/924/850	1452/924/950

EL = Electric, AV = Dump valve

\* Residual moisture after hot final rinse, \*\* Cycle time in 'Cottons 60°C, hot water fill

### Profitronic M controls

- 6 direct-access pushbuttons plus jog shuttle
- Freely programmable controls with 199 programme slots
- Large range of programmes with application-specific wash cycles
- Display showing all information in local language
- Card reader

### Highlights

- OneFingerTouch facilitates simple door closure
- Efficient use of resources thanks to modified design of suds container
- Extremely smooth running, even at high spin speeds, thanks to efficient suspension system.
- Exclusive to Miele: Optimum laundry care and cleaning thanks to patented honeycomb drum 2.0 with redesigned shower ribs.
- High wash performance through optimum rhythm EcoSpeed
- Very low residual moisture levels on account of high g-factor
- High daily throughput through very short cycles

### Optional accessories

- Dispenser pump for the automatic dispensing of liquid detergents
- Plinths for ergonomic loading and unloading
- Water recovery module
- Operating data acquisition





## **Freely programmable PROFITRONIC M controls**

Freely programmable Profitronic M controls are a product of Miele's own electronics production plant and were designed to address the individual needs of all users. Machines are supplied with programmes for a wide range of applications in hotels and restaurants as well as ones to cover the needs of care and nursing homes through to reprocessing the apparel used by fire brigades and rescue services. Beyond this, users are free to compile their own programmes from a broad range of parameters and assign them to the 199 vacant programme slots.

## **Excellent user convenience**

The user interface is in the form of a large display using plain text. And, to cater for the needs of the non-nationals often employed by laundries, the controls offer a choice of 11 languages. The large multifunction selector allows fast, direct access to various programmes and programme parameters, e.g. temperatures and spin speeds.

## **Chipcard operation**

Alternatively, these machines can be operated using a chipcard. This allows selected programmes to be assigned to certain machine operatives or applications in order to prevent inadvertent mistakes. Similarly, these smart cards can be used to upload new programmes to the machine.

## **Operating data acquisition as standard feature**

All Miele washer-extractors with Profitronic M controls are equipped as standard with an operating data acquisition module. This allows data from the last 300 programme cycles to be collected and saved and also shown in the display.

- Date, Mach. no. and duty cycle
- Water volume, load size, dispensing, energy
- Programme, temperature and holding time
- Dispensing

## **Further benefits of fully electronic controls**

- Optical interface for service diagnostics and programme updates
- Interface for payment systems
- Interface for RS 232 module
- Remote service and trouble-shooting via RS 232 interface
- 6 dispenser signals with input for 'container empty' signal

*'WetCare from Miele leaves laundry perfectly clean –  
and with a fragrant smell!'*









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**Forever Better**

Since 1899, Miele - a family-run company - has subscribed to a clear corporate philosophy condensed into the two words 'Forever better'. This overarching claim is the foundation of Miele's proverbial quality and sustainability and the power of innovation of a brand 'Made in Germany'. A brand promise which gives commercial users the certainty of having chosen the right product.

**Award-winning**

Uncompromising product reliability and service dependability is the reason why customers have repeatedly voted Miele the best and most trustworthy brand. Coveted awards such as the MX Award, the iF and reddot Design Awards and the German Sustainability Prize confirm the distinguished position Miele enjoys with respect to design, quality management and the sparing use of resources.

**Proficient**

Miele Professional has been developing and manufacturing a broad range of high-quality laundry machines, dishwashers, washer-disinfectors and sterilisers for decades. Carefully selected accessories, comprehensive advisory services and a Miele factory service operation which guarantees a fast response and ensures that machines perform to perfection and offer the ultimate in performance and efficiency.