

Miele

The simplest route to perfect hygiene:
Bedpan washers and process chemicals from Miele Professional

Miele Professional. Immer Besser.



Quality from Miele Professional

Never be satisfied with less



Miele Professional has always stood for maximum reliability in all applications where hygiene is critical. Our washer-disinfectors are popular, high-performance choices in the field of medical instrument reprocessing, while our washing machines and fresh-water dishwashers hold their own in the challenging day-to-day work carried out by clinics, residential homes and assisted living facilities. The new Miele bedpan washers, too, offer a whole host of exceptional features which are only available from Miele.

Quality

Miele owes the renown in which its quality standards are held to its outstanding reputation – something it has principally developed by producing durable products made from high-quality materials. Consequently, the new Miele bedpan washers are made from heat- and corrosion-resistant stainless steel. For Miele Professional, however, quality means much more than this. Many practical details make for simple, hygienic and safe loading and ergonomic operation.

Efficiency

With the new bedpan washers from Miele Professional, users profit from a particularly economical solution which goes easy on resources. The highly developed nozzle system ensures thorough cleaning combined with continuous process monitoring. The robust, low-maintenance design is another feature that makes these bedpan washers an efficient investment that will pay dividends year after year.

Performance

Miele bedpan washers reliably remove all soiling from bedpans and urine bottles. This thoroughness is further enhanced by the innovative arrangement of fixed and rotating nozzles as well as tailored programmes for washing and thermal disinfection. Short programme cycles and a simple user interface contribute towards loads being ready for use again in next to no time.



With Miele Professional, you are choosing 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

For four generations, Miele has carried a special responsibility as a family-run company towards its customers, its business partners and its employees, as well as for its products, processes and natural resources.

- Product development with a clear focus on quality, durability and sustainability
- Ground-breaking innovations 'Made in Germany'
- Award-winning ergonomics, functionality and product design
- Entire systems from a single supplier
- Low operating costs over the entire product life cycle
- Highly commended after-sales service offering blanket coverage and a fast response





Effective, ergonomic and economical

Benefits that pay off on a daily basis



The perfect solution for all needs

Three freestanding units and one undercounter model meet a varied range of needs in everyday patient care. The PWD 8541 undercounter model can be easily integrated into runs of cabinetry. The PWD 8545 freestanding model offers optimum cleaning performance in combination with a particularly ergonomic working height. The additional convenience of activation by the nudge of an elbow is offered by model PWD 8546, whilst the PWD 8549 with its glass door allows the optimum control of processes.



Convenient operation

Bedpan washers from Miele Professional are easy to operate via direct-access pushbuttons and each feature Short, Standard and Intensive programmes. On model PWD 8546, elbow switches enhance user convenience and hygiene. Wash cycles and parameters can be adapted on all models to suit individual user needs.



Adjustable A0 value

The A0 value is a measure of the intensity of thermal disinfection and hence of the deactivation of micro-organisms. For optimum adjustment to requirements, the A0 values on bedpan washers from Miele Professional can be selected with ease. Depending on the model, A0 values of up to 3000 are possible.



Sophisticated cleaning and disinfection system

Several rotating and fixed nozzles guarantee the optimum transfer of mechanical energy and access all areas whilst saving water and chemicals. Every inch of the outer and inner surfaces of the load is wetted and cleaned with reproducible efficiency

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Continuous process monitoring

Bedpan washer controls continuously monitor compliance with all process parameters, e.g. the temperature in thermal disinfection. In the event of a deviation, an error message or an acoustic signal is issued. Additional security is achieved by a display which shows all relevant data, e.g. the status of the current programme, the A0 value reached and the maximum cycle temperature (depending on model).



Time-saving AutoDry function

All bedpan washers with an automatic door are equipped ex works with AutoDry. This function automatically opens the machine door as soon as the programme has ended. This supports drying by allowing residual moisture to evaporate. If required, this automatic function can be deactivated in the machine controls.



Automatic self-cleaning

During disinfection, steam is passed through the chamber of the bedpan washer, its pipework and nozzles. This not only thoroughly and reliably disinfects loads but also the entire system of pipework and nozzles.



Long life cycle and hygiene security

The chamber and panelwork on Miele bedpan washers is made from heat- and corrosion-resistant stainless steel (Material 1.4301, AISI 304). The perfectly smooth and seamless chamber prevents residues from adhering to surfaces, whilst minimal gaps and joints in outer surfaces make for particularly simple cleaning.



Extremely effective

All Miele bedpan washers feature a special-purpose washing and disinfection programme which is effective against the *Clostridioides difficile* (*Cl. difficile*) bacterium. The efficacy of this programme has been tested and certified by the HYGCEN hygiene institute.



Systematic user convenience

A variety of load carriers are available for all bedpan washers. Depending on on-site requirements, this allows a broad range of loads to be reprocessed – from common bedpans and urine bottles to more specific loads. Miele also offers basins for emptying bedpans and bottles with manual and automatic edge cleaning as a perfect complement to bedpan washers.



Thorough process documentation

Various options are available for the legally compliant documentation of reprocessing. Process data from a bedpan washer can, for instance, be ported direct to a printer. Additionally, these machines are equipped with backup memory capable of capturing the data from up to 800 reprocessing cycles.



Tested Miele quality

The high requirements of a typical working day demand particularly reliable products. All bedpan washers from Miele Professional are therefore subjected to stringent tests and undergo ongoing improvement. Miele's many years of experience in application technology guarantee that all machines subscribe to Miele's proverbially high quality standards – ensuring the ultimate in performance, dependable hygiene and durability.

PWD 8541 bedpan washer

PWD 8541 MD, PWD 8541 AD



Product highlights

- Simple operation – Short-cut buttons
- Disinfection level in line with demand – selectable A0 value
- Easy installation in narrow spaces – compact external dimensions
- Customer-specific programming – Programmable controls

PWD 8541 MD

- As an undercounter machine, with manual door opening/closing
- Max. capacity 1 bedpan and 1 urine bottle, or 4 urine bottles*

PWD 8541 AD

- As an undercounter machine, with automatic door opening/closing
- Max. capacity 1 bedpan and 1 urine bottle, or 4 urine bottles*

* The capacity depends of the type of items being cleaned and may vary. Different combinations of urine bottles and bedpans are possible.



Sample loads

PWD 8545 bedpan washer

PWD 8545 MD, PWD 8545 SAD, PWD 8545 AD LCD



Product highlights

- Simple operation – Short-cut buttons
- Disinfection level in line with demand – selectable A0 value
- Optimum wash results – DoubleJet rotary nozzle
- Customer-specific programming – Programmable controls

PWD 8545 MD

- As freestanding unit, with manual door closing
- Max. capacity 1 bedpan and 1 urine bottle, or 3 urine bottles*

PWD 8545 SAD

As a freestanding unit, with automatic door opening via foot switch and manual door closing

- Max. capacity 1 bedpan and 1 urine bottle, or 3 urine bottles*

PWD 8545 AD LCD

As a freestanding unit, with automatic door opening/closing and LC Display

- Max. capacity 1 bedpan and 1 urine bottle, or 3 urine bottles*

* The capacity depends of the type of items being cleaned and may vary. Different combinations of urine bottles and bedpans are possible.



Sample loads

PWD 8546 bedpan washer

PWD 8546 SAD, PWD 8546 AD



Product highlights

- Simple operation - programme selection using elbow
- Disinfection level in line with demand – selectable A0 value
- Safe storage of process chemicals - storage space for canisters
- Customer-specific programming – Programmable controls

PWD 8546 SAD

- As a freestanding unit, with automatic door opening via foot switch and manual door closing
- Max. capacity 1 bedpan and 1 urine bottle, or 4 urine bottles

PWD 8546 AD

- As a freestanding appliance, with automatic door opening/closing
- Max. capacity 1 bedpan and 1 urine bottle, or 4 urine bottles*

* The capacity depends of the type of items being cleaned and may vary. Different combinations of urine bottles and bedpans are possible.



Sample loads

PWD 8549 bedpan washer

PWD 8549 AD



Product highlights

- Simple operation – Short-cut buttons
- Disinfection level in line with demand – selectable A0 value
- Optimum wash results – MultiJet rotary nozzle
- Customer-specific programming – Programmable controls
- Vertical door movement for a space-saving solution

PWD 8549 AD

- As a freestanding unit, with fully automatic glass vertical sliding door
- Capacity/cycle: Up to 1 bedpan and 2 urine bottles*

* The capacity depends of the type of items being cleaned and may vary. Different combinations of urine bottles and bedpans are possible.



Sample load arrangement

Technical data



	PWD 8541	PWD 8545	PWD 8546	PWD 8549
Machine data				
Construction type	Undercounter unit	Freestanding model	Freestanding model	Freestanding model
External dimensions H/W/D [mm]	850/600/600	1630/545/475	1460/540/600	1750/600/610
Net weight [kg]	87	62	96	150
Emissions values [dB]	< 70	< 70	< 70	< 70
Casing	Stainless steel AISI 304	Stainless steel AISI 304	Stainless steel AISI 304	Stainless steel AISI 304
Electrical connection	3N AC 380-400V 50Hz, 1 AC 230V 50Hz 3N	3N AC 380-400V 50Hz, 1 AC 230V 50Hz 3N	3N AC 380-400V 50Hz, 1 AC 230V 50Hz 3N	3N AC 380-400V 50Hz, 1 AC 230V 50Hz 3N
Power rating [kW] at 400V 50Hz/ 230V 50Hz	5.4 / 3.05	5.05 / 3.05	5.4 / 3.05	6.9 / 4.0
Water connections	CW/HW	CW/HW	CW/HW	CW/HW
Drain	Wall drain, convertible	Wall drain, convertible	Wall drain, convertible	Wall drain, convertible
Wall opening for waste water line [mm]	90	110	90	90
Capacity and performance data				
No. of standard programmes	3	3	3	3
Urine bottles per cycle	4	3	4	2
Bedpans/urine bottles per cycle, max.	1/1	1/1	1/1	1/2
Cycle time Short/Standard/Intensive [mins.]*	6/9/11	7.5/8/11	6/9/11	8/11/12
Water consumption Short/Standard/Intensive [l]*	43/77/103	33/43/103	43/77/103	31/63/75
Features (standard)				
Type of door opening/closure	manual, automatic	manual, semi-automatic automatic	semi-automatic, automatic	automatic
Display	LCD	LCD or LED	LCD	LCD
RS232 interface	•	•	•	•
Dispenser pump for descaler	•	•	•	•
Optional features				
Dispenser pump for detergent	•	•	•	•
Floor drain	•	•	•	•

* Dependent on power on water supply

Accessories



APH 500 - PRT100 - Protocol printer

- Printer for printing process reports
- Inkjet printer with waterproof ink

Appliance compatibility

- All Miele Professional thermal disinfectors
- PG 8582, PG 8592 and PG 8582 CD only in combination with XKM RS232 10 Med serial communication module

APH 530 – Printer cable for PRT 100 printer

- Printer cable length 15 m (cable not supplied with printer)

Cartridges, paper rolls

- APH 590 – Printer cartridge for PRT 100
- APH 591 – Paper rolls, 5 off, for PRT 100



APH 510 - PRT110 - Protocol printer

- Dot matrix printer for printing process reports

Appliance compatibility

- All Miele Professional thermal disinfectors
- PG 8582, PG 8592 and PG 8582 CD only in combination with XKM RS232 10 Med serial communication module

APH 530 – Printer cable for PRT 110 printer

- Printer cable length 15 m (cable not supplied with printer)

Cartridges, paper rolls

- APH 592 – Black ink ribbon for PRT 110
- APH 591 – Paper rolls, 5 off, for PRT 1



DTD 2 – Drip tray

For the secure positioning of canisters

- Space for 2 media canisters
- Secure place for 5 and 10 l canister sizes from the ProCare series
- Optimum emptying of the canisters due to storage at an angle
- For use in bedpan washer (depending on model) or in a side unit



Slops basin	APWD 075	APWD 076	APWD 077	APWD 078
Water connection for manual rinsing	•	–	•	–
Water connection for automatic rinsing	–	•	–	•
Suitable for stopcock*	–	–	•	•
External dimensions H/W/D [mm]	590/500/600	590/500/600	590/500/700	590/500/700

* Stopcock is not included as standard.



ProCare Med for the most exacting demands

Perfectly matching process chemicals
from Miele Professional and Steelco

The complexing agent and the detergent from the ProCare Med series were specially developed for use on Miele Professional bedpan washers. With their careful formulation, these products are ideal for the commercial machine-based reprocessing of bedpans and urine bottles. The complexing agent binds limescale and prolongs the service life of both the machine and loads, whilst the detergent ensures fast and efficient cleaning.

A holistic solution for top-class cleanliness and hygiene

- Perfectly designed for use on bedpan washers from Miele Professional
- Proven Miele quality
- First-class reprocessing results
- Liquid detergent for automatic dispensing



Product	Properties
● ProCare Med 10 BPD	• Acidic complexing agent • Liquid concentrate • Prevention of formation of limescale in chamber • Can also be used with hard water • Proven Miele quality • Based on citric acid
● ProCare Med 10 BPA	• Alkaline detergent • Liquid concentrate • Low-foaming • Removal of persistent soils • Proven Miele quality • Based on caustic soda • This requires a second dispenser pump inside the machine.

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Immer besser

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 professional 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 service operation which guarantees fast response times ensure that appliances perform to perfection and offer the ultimate in capacity and efficiency.

Miele Professional on the web

- For detailed information on technical data, features and accessories
- Brochures covering all product groups and applications available as downloads