Miele

Solutions for dental surgeries

Miele Professional. Immer Besser.

360°
system concept

System4Dent
with solutions
for practice
hygiene.

Our 360° solutions for your dental surgery

Quality at all levels

Profit from our holistic system throughout your surgery. High-performance dental solutions from our 4-stage System4Dent package can be used to not only optimise your instrument cycle but also to cut down on time and costs. And for your utility room and your break room, Miele Professional offers efficient solutions to cover both laundry care and dishwashing. We also invite you to profit from our tailored financing models and our after-sales service – round the clock. Holistic solutions. From one single source.

UTILITY ROOM
Laundry care

BREAK ROOM
Dishwashing

Service

360°
system concept

Sustainability:
Our contribution towards
your economic success

REPROCESSING ROOM
Thermal disinfectors
Components for thermal disinfectors
Small sterilisers
Process documentation
Process chemicals

Table of contents

For a perfect match

System4Dent

Single-source supply

Developed for daily use: System4Dent, a new approach to professional instrument reprocessing, meets the highest of demands by addressing all aspects of the instrument reprocessing cycle.

- **Washing, disinfection and sterilisation**
  Innovative thermal disinfectors with individually selectable features. High-performance small steam sterilisers for the fast and safe reprocessing of all instruments
- **Process chemicals**
  Tailored process chemicals for the thorough and gentle cleaning of all instruments
- **Process documentation**
  Intelligent documentation software for reproducible and uninterrupted process monitoring
- **Services**
  Miele guarantees the highest of standards when it comes to providing advice, financing, after-sales service and validation

System4 Dent

Further useful information
Download links and an explanatory video are available on our website (www.miele-professional.de)

Confidence in the Miele brand

With Miele Professional, you are choosing top performance and quality. High-quality products which rise to meet expectations each and every day are the reason for the trust professional users place in our company: 97% of all customers* claim they would buy from Miele Professional again next time round.

DÜRR DENTAL

KAVO
Dental Excellence

W&H

HAHNENKRATT
1999

Leading instrument manufacturers recommend Miele
Miele Professional stands for the safe and hygienic reprocessing of instruments whilst at the same time ensuring the ultimate in material compatibility and value retention. That is why leading instrument manufacturers recommend using Miele systems to reprocess their instruments.

Our thermal disinfectors

The right equipment for your application

The exclusive option

The PG 8591 thermal disinfector provides exceptional performance, efficiency and safety when it comes to cleaning, disinfecting and drying dental instruments. Thanks to the active DryPlus hot air drying feature with HEPA filtration, this is the ideal solution for reprocessing intricate and narrow-lumened instruments.

The all-rounder

Our bestseller is a universal solution for cleaning and disinfecting dental instruments. The combination of spray pressure, sensors and application-specific programmes on the PG 8581 thermal disinfector guarantees outstanding reprocessing results.

The ergonomic option

The new PWD 8532 thermal disinfectors provide an ergonomic working height for convenient loading and unloading, without the need to stoop or bend. Furthermore, two 5 l canisters with process chemicals can be stored in the plinth in order to save space.

The compact option

Good things come in small packages – the new PWD 8531 thermal disinfectors achieve safe, top-class reprocessing results while also enabling flexible positioning. With their compact design, our new thermal disinfectors can be placed on top of any run of units even in small hygiene rooms.
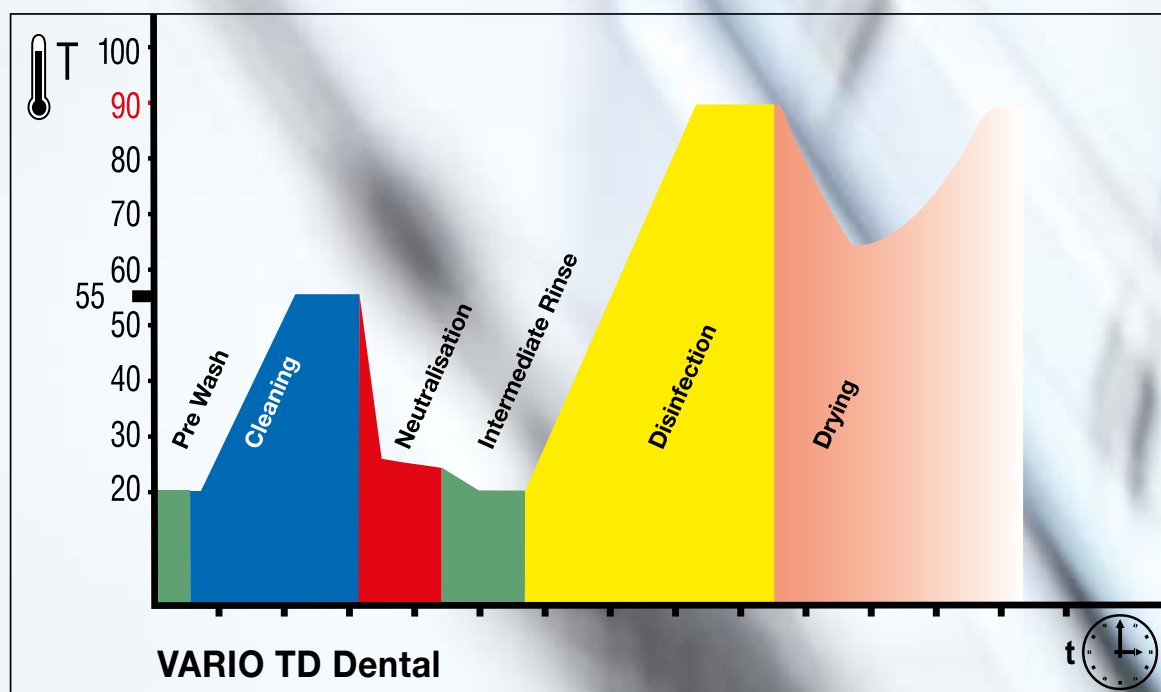
For demanding situations

Tried-and-tested cleaning programme

VARIO TD

Vario TD Dental

In Miele's Vario TD Dental programme, pre-cleaning commences at low temperatures to prevent the denaturation of blood residues. After an intensive main wash, thermal disinfection takes place at temperatures in excess of 90°C with a holding time of 5 minutes. In order to protect surgical instruments, the final rinse is ideally performed with demineralised water without any rinsing agent added. This programme is suitable for routine reprocessing according to DIN EN ISO 15883 for all thermally stable instruments. This approach is particularly gentle on materials and is especially recommended for the reprocessing of transmission instruments. Hot air drying on the PG 8591 thermal disinfector ensures that instruments are dried thoroughly at the end of the process.

VARIO TD Dental

Pre Wash · Cleaning · Neutralisation · Intermediate Rinse · Disinfection · Drying
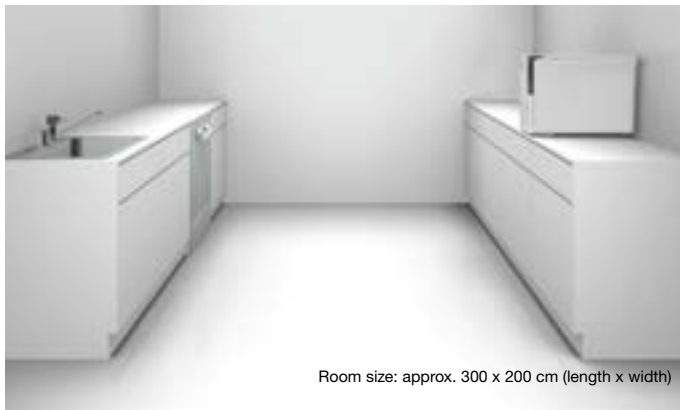
Hygiene room

Sample installations: Thermal disinfectors and sterilisers

Room size: approx. 250 x 250 cm (length x width)

Hygiene room with
L-shaped run of units

The L-shaped hygiene room offers additional elbow room and storage space. The unclean side with the sink and thermal disinfector is separated from the clean side with the small steriliser, process documentation and label printer through the angled configuration.

Room size: approx. 300 x 200 cm (length x width)

Hygiene room with
2 separate runs of units

This is the optimum solution for practices with a large amount of space and several practitioners. The unclean side with sink and thermal disinfector is physically separated from the clean side with the steriliser, documentation and label printer. Cabinets on both sides create space on the worktop and further reduce the risk of cross-contamination.

Room size: approx. 300 x 150 cm (length x width)

Hygiene room with
continuous run of units

With this arrangement, reprocessing occurs along a countertop. The unclean side includes a sink and a thermal disinfector. Chemicals, depending on the model, can be accommodated in a base unit, in the integrated tank, in the machine plinth or in a proprietary Miele dispensing unit. A glass panel separates this area from the clean side with a small steriliser, process documentation and a printer for sterile goods labels.

Room size: approx. 250 x 250 cm (length x width)

Room size: approx. 300 x 150 cm (length x width)

PWD 8531, PWD 8532 thermal disinfectors

Miele benefits with a payback

Greater efficiency for smaller practices
- As countertop version, free-standing or built-under - a solution for every hygiene room
- Chamber size adapted to suit reprocessing in small surgeries

Convenient operation
- Dedicated buttons for fast access to programmes
- 4" colour display
- Visual control thanks to all-glass door
- Easy-to-clean glass surface

Greater safety
- Proven Miele quality benefitting from Miele's significant experience in application technology
- Independent systems for the continuous monitoring of process parameters, in particular pressure and temperature.
- Comprehensive process documentation

High quality
- Integrated water softener for optimum results
- Dry Plus hot-air drying to preserve the value of instruments
- Triple water filtration for optimum rinse results
- High-quality stainless steel used in chamber, on spray arms and on filters for product longevity

Simple dispensing
- Automatic and simple dispensing of liquids via two dispenser pumps
- On the PWD 8531, process chemicals are dispensed from integrated chemical reservoirs during the appropriate reprocessing phases.
- In the PWD 8532 with its plinth, dispensing is from two integrated 5 l canisters.

Thorough drying
- Ideal solution for lumened instruments
- DryPlus hot air drying with an upstream HEPA H 14 filter (retention rate: 99.995%)

Our new thermal disinfectors for small dental practices
A compact, high-performance package – in Miele quality

Thermal disinfectors	PWD 8531	PWD 8532
Construction type and design	Countertop unit	Undercounter/freestanding unit with lid
External dimensions H/W/D [mm]	535 x 570 (+75) x 575	825 x 560 x 577
Weight [kg]	55	67
Casing	Stainless steel	Stainless steel
Full-glass door	•	•
Touch on Glass, user interface with direct-access buttons and 4" colour display	•	•
7 programmes	•	•
Programme sequence indicator and acoustic signal at end of programme	•	•
RS232 serial interface	•	•
Electrical connection	AC 230 V 50 Hz, incl. earthed plug	AC 230 V 50 Hz, incl. earthed plug
2 water connections	1 x cold water connection and 1 x demineralised water connection	1 x cold water connection and 1 x demineralised water connection
Integrated water softener for cold and hot water, max. 65°C	•	•
2 dispenser pumps	One each for liquid detergent and surfactant	One each for liquid detergent and surfactant
Drying	Integrated DryPlus hot air drying	Integrated DryPlus hot air drying

Model	Features	Mat. no.
PWD 8531	Countertop unit with 2 integrated chemical reservoirs	10957310
PWD 8532	Freestanding unit with plinth for two 5 l chemical canisters (freestanding or built-under)	10957510

Cycle times and consumption: PWD 8531 and PWD 8532	Washing and disinfection				Drying	
	Cycle time (min)	CW (l)	DI (l) *	Energy (kWh)	Cycle time (min)	Energy (kWh)
Vario TD Dental	49	18	6	1.244	11	0.093
Vario TD Intensive	58	19	6	1.294	11	0.094

*The use of demineralised (DI) water is recommended in the final rinse. If demineralised water is not used, cold water consumption increases by 6 l.

Sample loading options for the injector basket	
6 transmission instruments and 6 saliva extractors	8 small trays, instruments such as mouth specula, probes, etc., E 473/2 mesh tray for sundry small parts
6 transmission instruments and 6 saliva extractors	Various inserts, e.g. E 802/1 for instruments in a vertical position. E 143 mesh tray for instruments, E 473/2 insert for sundry small parts or E 521/1 for forceps
12 saliva extractors	3 Miele E 197 mesh trays, instruments such as mouth specula, probes, etc., E 473/2 mesh tray for sundry small parts
18 tips for scalers and 6 extractors	Various inserts such as E 521/2 for forceps or E 522/1 for dental impression plates

PG 8581, PG 8591 thermal disinfectors

Miele benefits with big payback

Greater performance

Miele thermal disinfectors excel in terms of cleaning performance combined with high throughput.

- An innovative heater pump enables both time savings and high standards of efficiency.
- The speed of the pump and hence the wash pressure is adjusted for individual programme blocks – high pressure facilitates the removal of stubborn soiling, while low pressure guarantees the complete wetting of the entire load.

Greater safety

The new generation raises the benchmark in terms of hygiene and safety in the reprocessing of instruments.

- The multi-stage filtration system is highly efficient in removing dirt particles from the wash water.
- Laser technology is used to weld the chamber, which does not contain visible heater elements, to give a perfectly smooth, crevice-free finish offering no nooks or crannies where blood or soil can accumulate.

More convenience

Numerous convenience features make work processes easier for users.

- The patented salt container is positioned in the door for easy access.
- AutoClose: slight contact between the door and the casing is sufficient to automatically close the door
- 'Touch on Steel' controls: the control panel consists of a continuous stainless steel surface.

Safety through monitoring

The thermal disinfectors feature spray pressure and spray arm monitoring and some models also monitor water conductivity. These advanced sensors make a considerable contribution towards ensuring the reliability of reprocessing.

- The integrated sensors monitor deviations from the programme parameters, allowing rapid intervention on the part of users.

Efficient drying

- EcoDry: After the programme ends, the door of the PG 8581 opens automatically thanks to the AutoOpen function. This allows residual moisture to escape easily from the wash chamber and means the load dries faster.
- DryPlus hot-air drying on the PG 8591 with upstream HEPA 13 filter represents an ideal solution when dealing with narrow-lumened instruments.

Tested Miele quality

The high requirements of a typical working day demand reliable products.

For this reason, all Miele thermal disinfectors undergo extensive testing and optimisation in the Miele laboratory. Miele's longstanding experience in application technology is incorporated into its assessments so that all products meet Miele's high quality standards and ensure excellent cleaning performance with constantly high wash pressure – for reliable reprocessing results.

Model overview

Controls, programmes, cycle times

Maintenance: Every 24 months or after 1000 hours at the latest.

Thermal disinfectors	PG 8581	PG 8591
Width [mm]	600	600
Height, depth [mm]	H 835 (820*), D 600	H 835 (820*), D 600
Cycle time/Vario TD** [min]	42	40
Transmission instruments [Capacity]	44	44
Saliva extractors [Capacity]	44	44
Drying	EcoDry	DryPlus
Electrical connection	3-phase***	3-phase***
Casing options		
White casing, Metal (AW)	•	•
Stainless steel (AE)	•	•
Controls/programmes		
TouchControl/6 programmes + 2 vacant programme slots	•	•
AutoClose - Automatic door lock	•	•
Buzzer, acoustic signal at end of programme	•	•
Ethernet module/RS 232/DataDiary module for process documentation	Option	Option
Interface module	Option	Option
Water connections		
1 x cold water, 2.0–10 bar flow pressure (200–1000 kPa) (protection against backsiphoning according to EN 1717)	•	•
1 x cold water for steam condenser, 2.0–10 bar flow pressure (200–1000 kPa) (protection against backsiphoning according to EN 1717)	•	•
1 x demineralised water, 2.0–10 bar flow pressure (200–1000 kPa) (protection against backsiphoning according to EN 1717)	•	•
No. of inlet hoses, ½" with ¾" threaded union, l = approx. 2.0 m	3	4
Drain pump Ø 22, Max. head height: 100 cm	•	•
WaterProof System (WPS)	•	•
Circulation pump capacity [kW]	0.8	0.8
Dispensers / Connection option DOS K 85 flex	-	1
Water softener	•	•
Steam condenser	•	•

Miele Professional on the Internet: Detailed information on technical specifications, features and components is available on www.miele-professional.com

* without lid (lid supplied with machine)
** cleaning and thermal disinfection
*** single-phase optional

Cycle times and consumption: PG 8581	Washing and disinfection					Drying	
	Running time	CW	HW	DI	Energy	Running time	Energy
	mins.	l	l	l	kWh	mins.	kWh
Vario TD Dental	42	37.1	–	9.0	2.5	7	–
Special 93 °C-10 mins.	56	41.5	–	14.0	3.8	3	–
Rinse	4	10.0	–	–	0.01	–	–

PG 8591	Washing and disinfection					Drying	
	Running time	CW	HW	DI	Energy	Running time	Energy
	mins.	l	l	l	kWh	mins.	kWh
Vario TD Dental	40	18.6	18.5	9.0	2.2	34*	0.9
Special 93 °C-10 mins.	52	11.9	29.6	14.0	3.3	79	1.4
Rinse	4	10.0	–	–	0.01	–	–
Drying	–	–	–	–	–	40	0.7

* In combination with Miele ProCare Dent 40 surfactant

Model	Features	Mat. no.
PG 8581 AW LD	White casing, 2 integrated dispenser pumps, Ethernet module, EcoDry	10121160
PG 8581 AE LD	Stainless steel casing, 2 integrated dispenser pumps, Ethernet module, EcoDry	10121170
PG 8591 AW WW	White casing, 1 integrated dispenser pump, hot water connection, 1 external dispensing module, Ethernet module, DryPlus	10121180
PG 8591 AE WW	Stainless steel casing, 1 integrated dispenser pump, hot water connection, 1 external dispensing module, Ethernet module, DryPlus	10121190
PG 8581 AW LD	White casing, 2 integrated dispenser pumps, DataDiary, EcoDry	10880060
PG 8581 AE LD	Stainless steel casing, 2 integrated dispenser pumps, DataDiary, EcoDry	10880080
PG 8591 AW WW	White casing, 1 integrated dispenser pump, hot water connection, 1 external dispensing module, DataDiary, DryPlus	10880100
PG 8591 AE WW	Stainless-steel casing, 1 integrated dispenser pump, hot water connection, 1 external dispensing module, DataDiary, DryPlus	10880120

Dental components for thermal disinfectors

Components for PWD 8531 and PWD 8532

Baskets		Holders, adapters and nozzles			Inserts for various instruments	
APWD 061 **Page 20**	APWD 060 **Page 20**	APWD 064 - 071 **Page 20**	APWD 066 **Page 20**	APWD 072 + 073 **Page 20**	APWD 062 **Page 20**	APWD 063 **Page 20**

Benefit packs for PG 8581 and PG 8591

Benefit packs incl. reprocessing of dental handpieces								
A 105/1 **Page 23**	A 151 **Page 23**	A 800 **Page 23**	A 804 **Page 23**	A 803 **Page 23**	A 836 **Page 23**	E 337/1 **Page 23**	E 430/1 insert **Page 23**	E 473/2 **Page 23**

Benefit packs without reprocessing of dental handpieces					
A 105/1 **Page 23**	A 151 **Page 23**	A 836 **Page 23**	E 337/1 **Page 23**	E 430/1 **Page 23**	E 473/2 **Page 23**

Components for PG 8581 and PG 8591

Baskets and basket components							
A 105/1 **Page 24**	A 102 **Page 24**	A 151 **Page 24**	A 800 **Page 24**	A 804 **Page 24**	A 836 **Page 24**	UBS 3 **Page 24**	A 315 **Page 24**

Holders, adapters					Nozzles		
A 803 **Page 25**	A 813 **Page 25**	A 815 **Page 25**	A 814 **Page 25**	A 812 **Page 25**	A 819 **Page 26**	E 336 **Page 26**	A 817 **Page 26**

Components for PG 8581 and PG 8591

Holders and filters

A 801	AUF	FP filter inserts	ADS
Page 27	**Page 27**	**Page 27**	**Page 27**

Inserts for various instruments

E 337/1	A 830	E 198/1	E 131/1	E 468	E 130	E 339/1	E 806/1	E 523
Page 28	**Page 28**	**Page 28**	**Page 28**	**Page 28**	**Page 29**	**Page 29**	**Page 29**	**Page 29**

E 476	E 363	E 379	E 378	E 441/1	E 147/1	E 520	E 430/1
Page 28	**Page 28**	**Page 29**	**Page 29**	**Page 30**	**Page 30**	**Page 30**	**Page 30**

Dispensing components | Plinths

PG 8596	DOS K 85/1 flex	DOS K 85 flex	UG 31-60/60-85	UG 31-90/60-85
Page 31	**Page 31**	**Page 31**	**Page 31**	**Page 31**

Further components, cf. Page 32

Components for all Miele thermal disinfectors

Inserts for various instruments

E 197 insert	E 521/2	E 522/1	E 491	E 473/2	E 807	E 801/1	E 143	E 802/1
Page 32	**Page 32**	**Page 32**	**Page 32**	**Page 32**	**Page 32**	**Page 32**	**Page 32**	**Page 32**

For reprocessing with demineralised water

PG 8595	VE P 2800	VE P 2000	ConductivityMeter
Page 33	**Page 33**	**Page 33**	**Page 33**

Components for PWD 8531 and PWD 8532
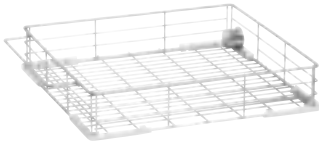
Baskets

APWD 060 standard basket
- For various inserts and mesh trays
- Vertical clearance 230 mm
- H 120, W 395, D 469 mm

Mat. no. 11017140

APWD 061 injector basket
- For transmission instruments, extractors and various inserts and mesh trays
- 6 holders for dental handpieces and turbines
- 6 injectors Ø 3.8 mm x 15 mm for extractors
- Active inner drying of dental handpieces
- Loading dimensions H 230, W 320, D 395 mm
- H 120, W 395, D 469 mm

Mat. no. 11017150

Inserts

APWD 062 insert
- For instruments in an upright position
- Suitable for probes, tweezers and mouth specula
- H 120, W 125, D 395 mm

Mat. no. 11017160
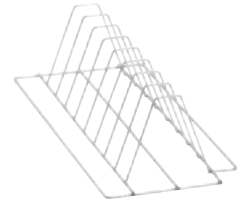
APWD 063 insert
- For up to 8 trays or cartridges
- Equipped with 9 holders, spacing: 40 mm
- H 110, W 180, D 390 mm

Mat. no. 11017170

Holders, adapters and nozzles

APWD 064 blind stopper ①
- For sealing holders not occupied by transmission instruments
- H 24, W 25, D 25 mm
Mat. no. 11017180

APWD 067 adapter ②
- For various adapters for reprocessing e.g. transmission instruments in combination with APWD 068
- H 19, W 36, D 36 mm
Mat. no. 11017200

APWD 068 adapter ③
- Screw-in adapter for use on APWD 061 injector basket in combination with APWD 067
- H 27, W 40, D 40 mm
Mat. no. 11017210

APWD 069 filter ④
- Fine filter to capture particulate matter
- H 1, W 30, D 30 mm
Mat. no. 11017220

APWD 070 adapter ⑤
- For transmission instruments, Ø 19 - 21 mm
- H 21, W 27, D 27 mm
Mat. no. 11017230

APWD 071 adapter ⑥
- For transmission instruments, Ø 14–17 mm
- H 21, W 27, D 27 mm
Mat. no. 11017240

APWD 066 holder
- For reprocessing up to 3 air scaler and piezo scaler tips
- Suitable for various tip types
- H 46, W 50, D 50 mm

Mat. no. 11017250

APWD 072 injector nozzle
- For reprocessing lumened instruments, in particular saliva extractors
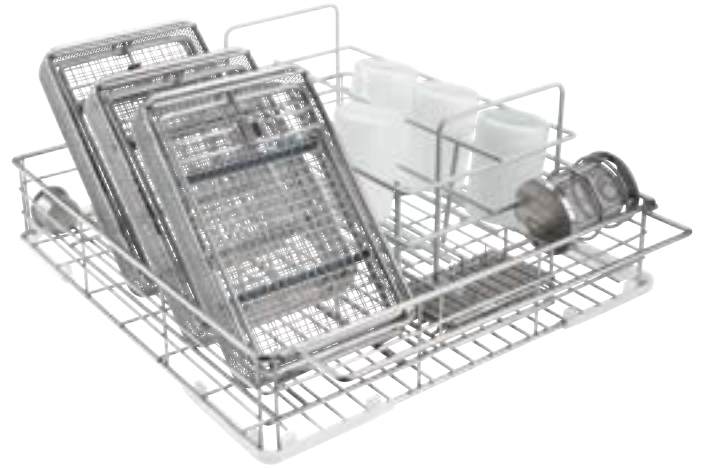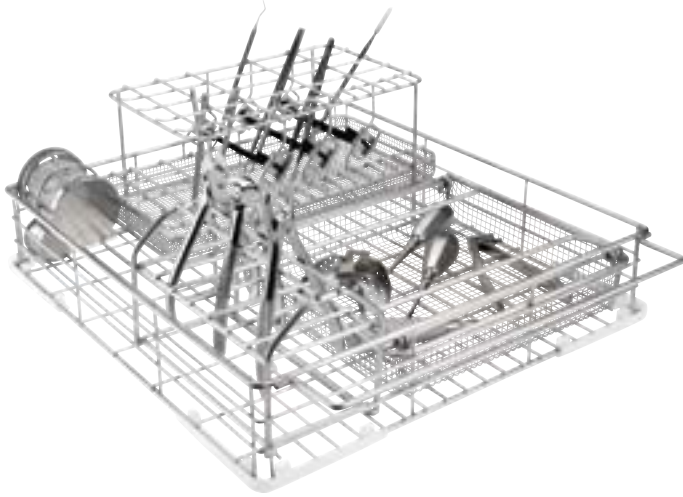
Mat. no. 11127460

APWD 073 adapter
- Allows further APWD 072 injector nozzles in APWD 061 injector basket
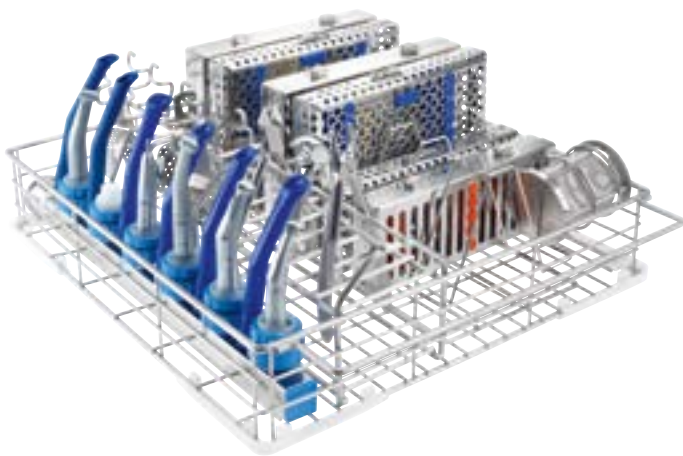
Mat. no. 11127500

Examples of use

APWD 060 injector basket: Loading options

APWD 061 injector basket: Loading options

Dental benefit packs

For PG 8581 and PG 8591

Benefit pack with reprocessing of dental handpieces

Components	Description	Mat. no.
	Benefit pack for PG 8581 & PG 8591	10129190
Consisting of		
A 105/1	Upper basket/injector unit	(10777260)
A 151	Lower basket/open front	(9862410)
E 473/2	Insert	(10623720)
E 430/1	1/3 mesh insert	(06643200)
A 803	Adapter for dental handpieces/turbines (3 pcs.)	(9863100)
E 337/1	Insert for upright instruments	(7984130)
A 800	Tubular filter	(9960680)
A 804	Cleaning brush for tubular filter	(9960720)
A 836	Dental nozzle set	(11054660)

**Benefit pack without reprocessing of dental handpieces**

Components	Description	Mat. no.
	Benefit pack without dental handpieces for PG 8581 & PG 8591	10882990
Consisting of		
A 105/1	Upper basket/injector unit	(10777260)
A 151	Lower basket/open front	(9862410)
E 430/1	1/3 mesh insert	(06643200)
E 473/2	Insert	(10623720)
E 337/1	Insert for upright instruments	(7984130)
A 836	Dental nozzle set	(11054660)

Sales advice

For advice on the ideal features for your thermal disinfector, please contact your local sales representative or dealer.

Basket components for PG 8581 & PG 8591

Baskets and basket components
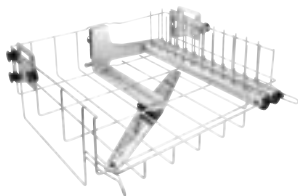
A 105/1 upper basket/injector unit
- Left-hand side free for inserts
- 22 injector positions on right-hand side, e.g. for A 833 nozzle (not provided)
- Height-adjustable
- Active inner drying of dental handpieces
- A 800 tubular filter for use in either injector rail (not provided)
- Built-in spray arm
- Clearances H 225 +/- 30, W 360, D 445 mm (depth of 460 mm is available on the left-hand side with a width of 215 mm)
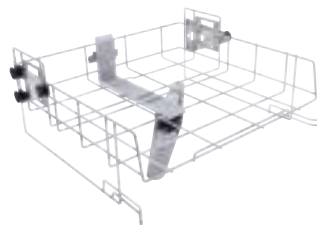- H 202, W 528, D 526 mm
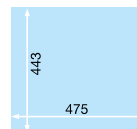
Mat. no. 10777260
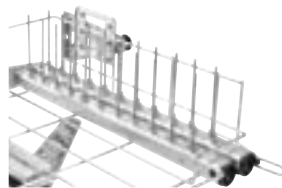
A 836 dental nozzle set
- For use in A 105/1 upper basket and the reprocessing of lumened instruments
- Contains 22x A 833 injector nozzles

Mat. no. 11054660

A 102 upper basket/open front
- Open front
- For various inserts
- Height-adjustable
- Clearances H 205 +/- 30, W 475, D 443 mm
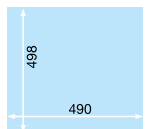- Built-in spray arm
- H 206, W 528, D 527 mm

443
475

Mat. no. 9862360

A 151 lower basket/open front
- For standard
- DIN mesh trays and inserts
- Vertical clearance in
- combination with A 102 H 230 +/- 30 mm A 105 H 210 mm
- H 88, W 529, D 522 mm

498
490

Mat. no. 9862410

NEW: A 315 module/injector
- Doubles the capacity for lumened instruments when using the A 105 or A 105/1 upper basket
- For use in A 151 lower basket
- For 22 injector nozzles (not included; nozzle set A 836 can be used, for example)
- Active inner drying of dental handpieces
- A 800 tubular filter for use in either injector rail (not provided)
- Loading dimensions when used in A 151 lower basket whilst at the same time using A 105/1 upper basket: H 210 +/- 30, W 383, D 479 mm
- Injector rail vertical clearance when using upper basket: A 105/1 135 mm +/- 30 mm
- H 145, W 492, D 542 mm

Mat. no. 11055980

A 800 tubular filter
- For use in A 105/1 upper basket and A 315 module/injector

Mat. no. 9960680

A 804 cleaning brush
- For manual reprocessing of A 800 tubular filter

Mat. no. 9960720

UBS 3 conversion kit
- For use of O 177/1 upper basket in PG 8581 or PG 8591
- Conversion of upper basket by Miele Customer Service Department

Mat. no. 10131110

Components for PG 8581 and PG 8591

Holders, adapters

A 803 holder for transmission instruments
- For holding transmission instruments in A 105/1 upper basket in combination with A 800 tubular filter
- Suitable for a wide range of dental handpieces and turbines from various manufacturers

Mat. no. 9863100

A 812 adapter
- For use of A 814 and/or A 815 in G 7881/G 7891
- For use in O 177/1 upper basket with FP
- 4 x E 362 blanking screw
- 5 x FP
- Please contact us for information on use in combination with G 7831.

Mat. no. 10619680

A 813 adapter
- For the reprocessing of up to 4 transmission instruments with an external spray channel
- For use in A 105/1 upper basket with A 800 filter
- 4 x nozzle with silicone hose
- 3 x E 362 blanking screw

Mat. no. 10456700

E 814 adapter
- For reprocessing the tips of air scalers and piezo scalers
- For use in A 105 upper basket with A 800 tubular filter
- For use in O 177/1 upper basket with A 812 and FP
- Universal, for various tip types
- Several holders can be used on one injector connection using A 813 or A 812

Mat. no. 10456630

A 815 nozzle
- For the reprocessing of transmission instruments with an external spray channel
- For use with A 812, A 813 or in A 105 upper basket with A 800 filter
- 4 x nozzle with silicone hose

Mat. no. 10619690

Components for PG 8581 and PG 8591

Nozzles for baskets with injector rail

A 832 injector nozzle
- Length 60 mm, Ø 2.5 mm, screw thread
- With additional side holes

Mat. no. 10635440

A 816 injector nozzle
- Length 90 mm, Ø 2.5 mm, screw thread
- With additional side holes

Mat. no. 10635660

A 833 injector nozzle
- Clip bracket
- Length 110 mm, Ø 4 mm, screw thread
- With additional side holes

Mat. no. 10635480

A 834 injector nozzle
- Length 150 mm, Ø 8 mm, screw thread
- Height-adjustment clip (Mat. no. 4 692 430)
- With additional side holes

Mat. no. 10635650

E 336 irrigation sleeve
- Length 121 mm, Ø 11 mm

Mat. no. 3809390

A 817 irrigation sleeve
- Length 65 mm, Ø 11 mm
- Cap, opening Ø 6 mm (Mat. no. 4 174 960)
- Clamp (Mat. no. 4 174 850)

Mat. no. 10706260

A 818 caps
- 12 caps for irrigation sleeves
- Opening Ø 2.5 mm

Mat. no. 10706620

A 819 irrigation sleeve
- For lumened instruments, e.g. magnetostrictive ultrasound tips, such as Cavitron® (with conventional handle and FitGrip)*
- Int. dimension 108 mm, ext. dimension 128 mm, Ø 11 mm
- Cap, opening Ø 10 mm
- With clamp – must be used
  *Cavitron is a registered mark of the Dentsply-Sirona company

Mat. no. 10721750

Components for PG 8581 and PG 8591

Holders and filters for use with A 801 adapters

AUF 1 holder
- Holder for transmission instruments in O 177/1 upper basket for G 7881 and G 7891
- Can also be used with adapter A 801 in A 105/1 upper basket
- Consists of: Seal, threaded bush, bracket, holder lower part, holder upper part, 5 filter inserts

Mat. no. 5159510

AUF 2 holder
For G 7831
- Holder for transmission instruments in O 801/2 upper basket
- Can also be used with adapter A 801 in A 105/1 upper basket
- Consists of: Seal, threaded bush, bracket, holder lower part, holder upper part, 5 filter inserts

Mat. no. 5282470

FP filter inserts for AUF 1 and AUF 2
- 20 pcs.
- Porosity 2
- Diameter 30 mm

Mat. no. 6059480

A 801 adapter
- Adapter for use of AUF 1 and AUF 2 in combination with A 105/1

Mat. no. 9862940

ADS 1 adapter/silicone for AUF 1 and AUF 2
- Adapter for transmission instruments
- For dental handpieces/turbines with a diameter of approx. 20 mm
- White

Mat. no. 5159530

ADS 2 adapter/silicone for AUF 1 and AUF 2
- Adapter for transmission instruments
- For dental handpieces/turbines with a diameter of approx. 16 mm
- Green

Mat. no. 5159540

ADS 3 adapter/silicone for AUF 1 and AUF 2
- Adapter for transmission instruments
- For dental handpieces/turbines with a diameter of approx. 22 mm
- Red

Mat. no. 5159550

Inserts

E 198 insert 1/2
- For 6 mesh trays/kidney dishes
- 7 holders (6 compartments)
  H 160, spacing 50 mm
- H 160, W 180, D 495 mm
- For mesh tray E 197

Mat. no. 7984040

E 363 insert 1/6 mesh tray
- Mesh size 1 mm, with lid
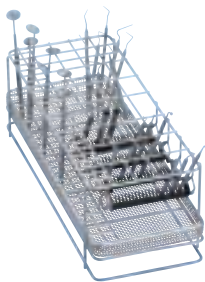- Without holders for instruments
- H 55, W 150, D 225 mm

Mat. no. 3149790

E 131/1 insert 1/2
- For 5 mesh trays/kidney dishes
- 6 holders, H 160 mm,
  spacing 80 mm
- For lower basket
- H 168, W 180, D 495 mm (only in
  combination with E 363 in lower
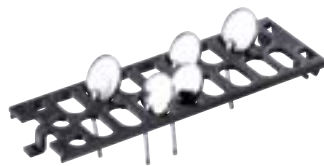 basket)
- For mesh tray E 363

Mat. no. 5771030

E 337/1 insert 2/5
- For instruments in upright position
- 4 plastic holders
  12 compartments, approx.
  22 x 28 mm
  4 compartments, approx.
  25 x 28 mm
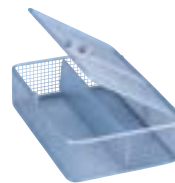 48 compartments, approx.
  13 x 14 mm
- H 148, W 173, D 445 mm

Mat. no. 7984130

A 830 insert
- For use in E 337/1 insert, for
  separable mouth specula
- 3 compartments Ø 8 mm,
  14 compartments
  10 x 19 mm, 2 compartments
  8 x 19 mm
- Mouth specula handles (≥ Size 3)
  can be placed in compartments of
  E 337/1
- H 12, W 49, D 154 mm

Mat. no. 10730400

E 468 insert
- Mesh basket with lid
- For reprocessing of surgical motors
  after removal of slat
- Please observe reprocessing
  instructions from manufacturers
- Stainless steel
- Mesh size 5 x 5 x 1 mm
- H 70/76, W 250, D 170 mm
- Not for use in E 198

Mat. no. 05043640

E 476 adapter
- For use in trays with 5 mm mesh
- For holding instruments with a
  diameter of 4–8 mm and securing
  surgical motors in E 468 mesh tray
- 50 per bag

Mat. no. 05692400
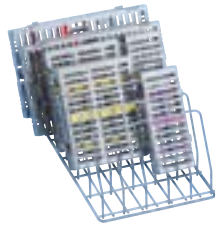
Components for PG 8581 and PG 8591

Inserts

E 130 insert 1/2
- For 10 trays
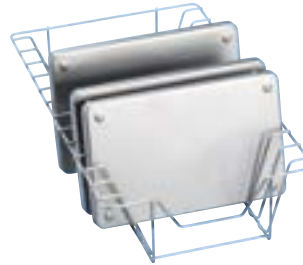- 11 holders (10 compartments) H 170, spacing 35 mm
- H 180, W 180, D 445 mm

Mat. no. 2648950

E 523 insert 1/2
- For mesh trays
- 7 holders (6 compartments) H 145, spacing 50 mm
- H 151, W 220, D 450 mm

Mat. no. 5649700

E 339/1 insert 3/5
- For 12 tray bases/trays
- 14 holders (13 compartments) W 295, spacing 37 mm
- Max. tray size 290 x 30 mm (W x D)
- H 115, W 305, D 498 mm

Mat. no. 9233840

E 378 insert 1/1 mesh tray
- Wire mesh, 1.7 mm mesh size
- 2 handles
- H 80 + 30, W 460, D 460 mm

Mat. no. 3203530

E 379 insert 1/2 mesh tray
- Wire mesh, 1.7 mm mesh size
- 2 handles
- H 80 + 30, W 180, D 445 mm

Mat. no. 3203500

E 806/1 insert
- For 8 tray bases/trays
- 9 holders (8 compartments)
- Max. tray size 290 x 30 mm (W x D)
- H 114, W 305, D 348 mm

Mat. no. 9013220

Components for PG 8581 and PG 8591

Inserts

E 430/1 insert 1/3 mesh tray
- For instruments
- Wire mesh, 5 mm mesh size
- H 40, W 150, D 445 mm

Mat. no. 06643200

E 441/1 insert 1/4
- Mesh tray for micro instruments
- Mesh size 1.7 mm, closed sides, stackable
- Internal divisions with 6 adjustable slats provide the ideal storage for instruments
- Can be sterilised in steam at 121°C/134°C
- H 60, W 183, D 284 mm

Mat. no. 5988240

E 520 insert
- For 18 root canal instruments
- Hinged
- Can be sterilised in steam at 121°C/134°C
- H 45, W 75, D 30 mm

Mat. no. 5409080

E 147/1 insert 1/2
- For 10–12 mouth rinse beakers, max. Ø 80 mm
- Plastic-coated
- H 155, W 220, D 455 mm

Mat. no. 4746620

Components for PG 8581 and PG 8591

Process chemical dispensing accessories and plinths

PG 8596 dispenser unit

Housing unit for process chemicals and dispenser modules
- H 835 (820), W 300, D 600 mm
- Compatible with PG 8581, PG 8591
- Freestanding unit, can be built-under
- Unit with removable door
- Casing in stainless steel (AE) or white (AW)
- Interior dimensions: H 690/380/285 mm
  (top drawer removed/bottom/top drawer),
  W 250 mm, D 555/425 mm (without/with drip tray
  and dispensing modules)

2 levels:
Pull-out telescopic drawers with drip tray for containers of process chemicals

Canister sizes (L x W x H)
Accommodates a total of 6 x 5 l canisters
(245 x 145 x 225 mm*).
Bottom drawer offers space for larger canisters:
2 x 10 l, 140 x 193 x 307 mm
2 x 10 l, 223 x 203 x 321 mm
2 x 10 l, 229 x 193 x 323 mm
2 x 10 l, 194 x 204 x 353 mm
1 x 20 l, 289 x 233 x 396 mm
1 x 25 l, 288 x 234 x 456 mm

PG 8596 D AW DOS housing unit
Mat. no. 10087330

PG 8596 D AE dispenser unit
Mat. no. 10087340

* Only possible with DOS K 85/1 Flex dispenser module with short siphon.

DOS K 85/1 Flex dispenser module
- For liquid alkaline detergents and chemical disinfectants, neutralising agent
- Peristaltic pump, adjustable via machine's electronic controls
- Integrated dispenser monitoring function ensuring high level of process security in compliance with EN ISO 15883
- Short siphon (217 mm) for 5 l canister, incl. level monitoring
- Length of connection cable: 3.00 m
- Length of suction hose: 1.80 m
- Successor for DOS K85/1

Mat. no. 09961080

DOS K 85 Flex dispenser module
- As per DOS K 85/1 Flex
- But with long siphon for 5 l and 10 l (352 l)
- Option: Long siphon for 20-30 l containers (467 mm) as well as matching cap available via Spares (Mat. nos. 11033480 and 11033560)
- Successor for DOS K85

Mat. no. 09961070

UG 30-60/60-85 plinth
- For use on PG 8581 and PG 8591
- Stainless steel plinth, bolted to machines
- H 300, W 600, D 600 mm
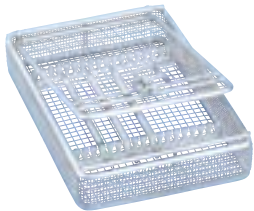
Mat. no. 10087350

UG 30-90/60-85 plinth
- For use on PG 8581 and PG 8591 in combination with PG 8595 or PG 8596 (installation on either side of PG 8595/PG 8596 possible)
- Stainless steel plinth, bolted to machines
- H 300, W 900, D 600 mm

Mat. no. 10087360

Components for all Miele thermal disinfectors

Inserts

E 197 insert 1/6 mesh tray
- For instruments
- Wire mesh, mesh size: base 3 mm, sides 1.7 mm, lid 8 mm
- Can be sterilised in steam at 121°C/134°C
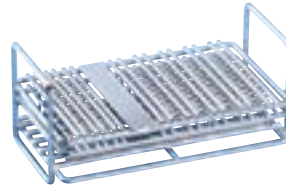- H 42, W 150, D 225 mm

Mat. no. 7984090

E 473/2 insert
- Mesh basket with lid, for small parts
- Hooks on to mesh trays
- H 88, W 66, D 66 mm

Mat. no. 10623720

E 491 insert
- Insert for rotating instruments
- For 18 turbine shafts
- For 30 dental handpiece shafts
- H 53, W 70, D 120 mm

Mat. no. 7600210

E 802/1 insert
- For instruments in upright position
- 3 plastic holders
  8 compartments, approx.
  30 x 28 mm
  8 compartments, approx.
  16 x 28 mm
  15 compartments, approx.
  16 x 20 mm
- H 148, W 163, D 295 mm

Mat. no. 7984170

E 522/1 insert
- 9 holders for dental impression plates
- H 140, W 100, D 190 mm

Mat. no. 6697010

E 521/2 insert (right)
- For 7 extraction or orthopaedic molar forceps
- Compartment size 21 x 80 mm
- H 135, W 100, D 189 mm

Mat. no. 7476430

E 801/1 insert
- For 8 mouth rinsing cups, max. Ø 75 mm
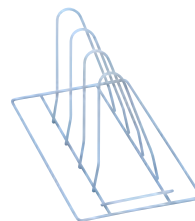- Plastic-coated
- H 155, W 200, D 320 mm

Mat. no. 5673820
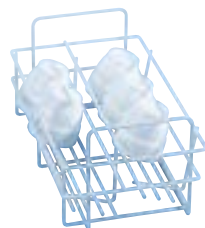
E 807 insert
- For 3 mesh trays/kidney dishes
- 4 holders (3 compartments) H 165, spacing 58 mm
- H 144, W 180, D 330 mm

Mat. no. 7984220

E 143 insert
- Insert to accommodate a variety of instruments.
- 1 mm wire mesh, 5 mm all-round frame
- Equipped with 2 hinged handles

Mat. no. 03830310

Components for all Miele thermal disinfectors

For reprocessing with demineralised water

PG 8595 Aqua Purificator

Housing unit for 2 water demineralisation cartridges
VE P 2000/VE P 2800
- Compatible with PG 8581, PG 8591
- Generally recommended quality for final rinse
  < 19 µS/cm
- H 835 (820), W 300, D 600 mm
- Freestanding unit, can be built-under
- Casing in stainless steel (AE)
  or white (AW)
- Condition as supplied: Empty housing unit.
  Cartridges and fittings must be ordered separately

PG 8595 D   AW Aqua Purificator
Mat. no. 10087310

PG 8595 D   AE Aqua Purificator
Mat. no. 10087320

**SK fast-action coupling for water
demineralisation cartridges**
Conversion kit for simple replacement
of cartridges consisting of:
- 2 x VA adapters from ¾" to fast-action for direct
  connection to cartridge
- 2 x fast-action couplings with ¾" PVC double
  nipple including gaskets for existing set of hoses

Mat. no. 09782600

UfZ conversion kit for second cartridge
If two cartridges are used, the 2 x VA ¾"
connections can be screwed onto the second
cartridge. This avoids the need to change fittings.

Mat. no. 10020100

**VE P 2800 water demineralisation cartridge,
charged**
- Pressure-proof stainless steel cartridge
- Throughflow max. 800 l/h
- H 570, Ø 230 mm
- Complete with vent and pressure relief valve
- Contains 19 l of reusable mixed resin

Mat. no. 09782560

**VE P 2000 water demineralisation cartridge,
charged**
- Pressure-proof stainless steel cartridge
- Throughflow max. 450 l/h
- H 410, Ø 230 mm
- Complete with vent and pressure relief valve
- Contains 12.5 l of reusable mixed resin

Mat. no. 09773410

LP 2800 demineralisation cartridge, empty
- As per VE P 2800, but supplied without resin.
  Can be charged with 19 l of single-use resin.

Mat. no. 09782590

E 315 single-use resin
- 20 l of homogenously mixed resins for LP 2800
- Box with 2 x 10 l bags, vacuum-sealed in plastic
  bags
- Replacement filter bag

Mat. no. 03830350

E 316 refill set
- Plastic barrel with lid and funnel for 30 l of single-
  use resin

Mat. no. 03830360

CM/1 Conductivity meter
Conductivity meter for water demineralisation
cartridges
VE P 2000 and VE P 2800
- Single-line, illuminated display
- 10-point measurement in 0–199.9 µS/cm range
- Optical and acoustic cartridge replacement
  indicator
- Optical and acoustic fault indicator
- Wall bracket
- Connection to external LED (optional)
- H 118, W 235, D 110 mm
- Input: 110–240 V, 50/60 Hz, 85 mA;
  Output: 9 V, 400 mA, 3.6 VA
- Includes
  Sensor cell with LED indicator and connection
  lead
  (length 1.0 m), 2 pressure hoses ¾"
  (length 1 x 1.94 m, 1 x 1.5 m)

Mat. no. 10889920

ProCare Dent

Miele benefits with a payback

Effective washing and disinfection
- Each product is carefully geared to the various phases of the washing and disinfection cycle on Miele thermal disinfectors.
- Top-class cleaning performance

Very gentle on materials
- Excellent cleaning performance combined with high-level material compatibility
- Suitable for the routine reprocessing of standard and transmission instruments

Fewer residues
- Prevents discolouration and limescale
- Reduced stains

Improved drying
- For the fast and stain-free drying in the machine-based reprocessing of dental instruments

Precise dispensing
- With standard and optional dispenser pumps
- Economical dispensing concentration thanks to holistic system

Avoidance of mix-ups
- Colour-coding of containers
- Tag system

ProCare Dent – process chemicals for Miele thermal disinfectors

Recommended for reprocessing dental instruments

Thermal disinfector			
PG 8581 and PG 8591 with 2 or 3 pumps AND dispenser compartment for rinsing agent			**PWD 8531 and PWD 8532** with 2 pumps (NO dispenser compartment for rinsing agent)
Instrument type			
Routine reprocessing of standard instruments		Routine reprocessing of standard and transmission instruments	Routine reprocessing of standard and transmission instruments
Programme			
Vario TD Dental		Vario TD Dental	Vario TD Dental
Detergent			
ProCare Dent 10 A (liquid cleaning agent) or ProCare Dent 11 A (powder cleaning agent)		ProCare Dent 10 MA (liquid cleaning agent)	ProCare Dent 10 MA (liquid cleaning agent)
Neutralising agent			
ProCare Dent 30 P		ProCare Dent 30 C	Not recommended
Rinse aid			
ProCare Dent 40		ProCare Dent 40	ProCare Dent 40

ProCare Dent 10 MA
- Mildly alkaline cleaning agent, liquid concentrate
- 5 l canister

Mat. no. 9313850

ProCare Dent 10 A
- Alkaline cleaning agent, liquid concentrate
- 5 l canister

Mat. no. 9051960

ProCare Dent 11 A
- Alkaline cleaning agent, powder
- 10 kg container

Mat. no. 9051940

ProCare Dent 30 C
- Acidic neutralising agent, liquid concentrate
- 5 l canister

Mat. no. 9052110

- 1 l bottle (with spout for G 7831)

Mat. no. 9052100

Process chemicals

ProCare Dent

Product	Description	Special notes	Labelling of contents according to Regulation (EC) No 648/2004	Container sizes
Main wash				
ProCare Dent 10 MA	Mildly alkaline cleaning agent, liquid concentrate	• Very gentle on materials • Particularly suitable for transmission instruments	• < 5% non-ionic tensides • Also contains enzymes, preservatives (phenoxyethanol, methyl-, ethyl-, butyl, propyl-, isopropyl paraben)	5 l canister
ProCare Dent 10 A	Alkaline cleaning agent, liquid concentrate	• High cleaning performance • Not suitable for transmission instruments	• 15–30% phosphates	5 l canister
ProCare Dent 11 A	Alkaline cleaning agent, powder	• High cleaning performance • Not suitable for transmission instruments	• < 5% non-ionic tensides • > 30% phosphates	10 kg container
Neutralising				
ProCare Dent 30 C	Acidic neutralising agent, liquid concentrate	• Particularly suitable for transmission instruments • Based on citric acid	• Organic acids	5 l canister 1 l bottle (with spout for G 7831)
ProCare Dent 30 P	Acidic neutralising agent, liquid concentrate	• Not suitable for transmission instruments • Based on phosphoric acid • Removes tarnishing and soiling removable with acids	• Inorganic acids	5 l canister 1 l bottle (with spout for G 7831)
Final rinse				
ProCare Dent 40	Surfactant, liquid concentrate	• Improved, shorter drying cycles	• < 5% phosphonates • 5-30% non-ionic tensides • Also contains preservatives (methylchloroisothiozolinone, methylisothiazolinone)	1 l bottle (with spout)
Reactivating				
ProCare Universal 61	Coarse reactivation salt for built-in water softener	• Prevents scaling and protects loads		6 kg container (3 x 2 kg)

ProCare Dent 30 P
• Acidic neutralising agent, liquid concentrate
• 5 l canister

Mat. no. 9052080

• 1 l bottle (with spout for G 7831)

Mat. no. 9052070

ProCare Dent 40
• Surfactant, liquid concentrate
• 1 l bottle (with spout)

Mat. no. 9052130

ProCare Universal 61
• Coarse reactivation salt for built-in water softener
• 6 kg container (3 x 2 kg)

Mat. no. 9195780

DTD 2 drip tray
• Space for 2 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
• Suitable for use in an adjacent unit
• H 65, W 430, D 265 mm

Mat. no. 10695460

Cube and Cube X small sterilisers

Miele benefits with a payback

Practical programme settings
Valuable cost and time savings in everyday surgery life thanks to customisable programme settings, e.g. programmable cycle starts.

Thorough process documentation
Simple traceability thanks to automatic saving of cycle reports to a USB flash memory. Simple and uncomplicated printing of barcode labels using the Miele APH 550 Sego label printer.

Individual user identification
If required, the users checking and approving Cube X sterilisation cycles can be registered digitally. The name of the operator can be saved together with approvals.

Optimised cycle times
The Cube X boasts cycles which are up to 30% shorter, guarantees greater instrument longevity and compelling energy savings. With patented EcoDry technology, drying times are adjusted to load sizes.

Simple operation
The large colour touch display and an intuitive menu structure makes daily work in a surgery simpler, faster and more efficient.

Simple data transfer
Optionally, communication via WiFi is an alternative. This allows data to be ported simply to other software systems.

Model overview

Controls, programmes, cycle times

Cube – Class B steam steriliser
- Chamber volume 17 or 22 l
- Capacity: up to 5 trays (3 trays, convertible tray rack and tray holder included)
- User-friendly operation thanks to colour touch screen
- Practical programme settings
- User convenience thanks to ergonomic design
- Process documentation via USB, WiFi (optional)
- Automatic water valve for connection to water treatment systems

Cube X – Class B steam steriliser
- Chamber volume 17 or 22 l
- Capacity: up to 5 trays (5 trays, convertible tray rack and tray holder included)
- User-friendly operation thanks to colour touch screen
- Practical programme settings, e.g. programmable start
- User convenience thanks to ergonomic design
- Process documentation via USB, Ethernet, WiFi (optional)
- Automatic water valve for connection to water treatment systems
- Shorter drying times thanks to EcoDry technology
- S-Fast cycle for hand-pieces
- Individual user management catering for multiple users
- Modern maintenance support via machine display

Maintenance: Every 5 years or after 4000 cycles at the latest.

Model designations	Model	Material number
PST 1710	CUBE	11363240
PST 2210	CUBE	11368180

Product type	Model	Material number
PST 1720	CUBE X	11368190
PST 2220	CUBE X	11368200

	CUBE		CUBE X	
	PST 1710	**PST 2210**	**PST 1720**	**PST 2220**
Capacity				
Instruments [kg]	4.5	5.5	4.5	6
Textiles [kg]	1.5	2	1.5	2
Cartridges, containers [kg]	9	9	9	9
Programmes and connection options*				
121°C Universal [mins.], holding time: 20:30 mins.	65-74	66-77	35-62	35-67
134°C Universal [mins.], holding time: 5:30 mins.	43.5-52.5	46.5-56.5	22.5-42.5	22.5-46.5
134°C Prions [mins.], holding time: 20:30 mins.	42-67	42-70	38-59	38-63
Fast cycle [mins.], holding time: 3:30 mins.	-	-	13-20	13-21
Connections	2 x USB	2 x USB	5 x USB, 1 Ethernet	5 x USB, 1 Ethernet
Dimensions and weight				
External dimensions H/W/D [mm]	452 x 465 x 634	452 x 465 x 634	452 x 465 x 634	452 x 465 x 634
Empty weight [kg]	42.5	44	46	47.5
Chamber size [mm]	Ø:250 x D:362	Ø:250 x D:440	Ø:250 x D:362	Ø:250 x D:440
Electrical connection				
200 - 240 V AC; 50/60 Hz, 10 A	•	•	•	•
Power rating [kW]	2.0-2.4	2.0-2.4	2.0-2.4	2.0-2.4
Compliance with standards	93/42/EWG, 2014/68/EU, 2012/19/EU, EN 13060, EN 61010-1, EN 61010-2-040, EN 61326-1, EN 61770			
Scope	3 aluminium trays for Cube / 5 aluminium trays for Cube X, reversible tray rack, tray holder, discharge hose, supply lead, door opener and USB flash memory			

* Cycle times may vary depending on load type, drying time and electricity and water supply.

Components for Cube and Cube X

APST 000 Plug & Pure
Water treatment system
- For full demineralisation of tap water for steam sterilisation
- For Cube and Cube X small steam sterilisers
- H 476, W 124, D 123 mm
- Bed volume: 2.7 l
- Included: Filter head, cartridge, foot unit, wall bracket, hoses (5 m) and connections

Mat. no. 11401510

APST 001 cartridge
- Replaceable cartridge for APST 000 Plug & Pure water treatment systems

Mat. no. 11401750

ZS 150-1 ProCare helix test
- For daily performance checks on small steam sterilisers. Steam penetration test according to EN 867-5.
- 1 test challenge, 250 indicators

Mat. no. 9910260

APST 002 WiFi dongle key
- WiFi dongle key for Cube and Cube X small steam sterilisers
- For use in WLAN network or in Access Point mode
- Support data exchange via approved directory in local network

Mat. no. 11376380

Plug & Pure water treatment system – the compact solution for a high-quality supply of demineralised water
The Plug & Pure water treatment system can be connected directly to Cube and Cube X small steam sterilisers. High-quality supply of demineralised water using ion exchange principle.

Benefits of Plug & Pure water treatment system:
- Consistently high water quality in compliance with standards
- Cartridges replaced in only a few seconds
- No additional tools needed
- Convenient installation on feet or wall bracket

APST 003 aluminium tray 17 l
- For PST 1710 and PST 1720 small steam sterilisers
- H 19.5, W 186, D 287 mm

Mat. no. 11377310

APST 004 aluminium tray 22 l
- For PST 2210 and PST 2220 small steam sterilisers
- H 19.5, W 186, D 379 mm

Mat. no. 11377330

Further components for Cube and Cube X

APST 005 tray halter
• For removal of trays

Mat. no. 11377340

APST 006 door gasket
• For Cube and Cube X small steam sterilisers
• Replacement every 800 cycles

Mat. no. 11377350

APST 007 bacteriological filter
• For Cube and Cube X small steam sterilisers
• Replacement every 400 cycles

Mat. no. 11377360

APST 008 dust filter
• For Cube and Cube X small steam sterilisers
• Replacement every 400 cycles

Mat. no. 11377370

Process documentation for Miele thermal disinfectors and sterilisers

Overview of documentation options

For PG 8581 and PG 8591 thermal disinfectors

Process documentation system	Communication modules		
DataDiary **Page 47**	DataDiary **Page 50**	XKM 3000 L Med **Page 50**	XKM RS232 10 Med **Page 50**

For all Miele thermal disinfectors

Process documentation system	
APS 101 Sego **Page 48**	APH 510 PRT 110 **Page 49**

For all CUBE and CUBE X small sterilisers

Process documentation system			Communication modules	
DataDiary CUBE **Page 47**	APS 101 Sego **Page 48**	APH 550 Sego **Page 49**	DataDiary CUBE **Page 50**	APST 002 **Page 50**

Process documentation system

App-based solution

The new DataDiary app – simple, economical, safe

To assist in the gap-free process documentation of instrument reprocessing, Miele Professional is now offering a particularly time-saving plug & play solution in the form of the DataDiary app. This collects process data automatically from PG 8581 and PG 8591 thermal disinfectors and CUBE and CUBE X sterilisers and enables reports to be generated from a tablet PC – without cables, USB memory sticks or other intermediate steps. This practical solution now supports up to nine Miele machines via a surgery WiFi network.

Easy to operate

With DataDiary, Miele is offering an intuitive, app-based method of process documentation with a modern user interface. It is a plug & play solution – simply connect a unit and off you go!

Supports up to 9 different machines simultaneously

DataDiary now supports up to nine washer-disinfectors from the PG 858x/9x series as well as CUBE small sterilisers.

Connection to a surgery network

The DataDiary app communicates with all connected machines via a surgery's existing network. If only a single unit is documented, this is still possible in the usual manner using Access Point mode.
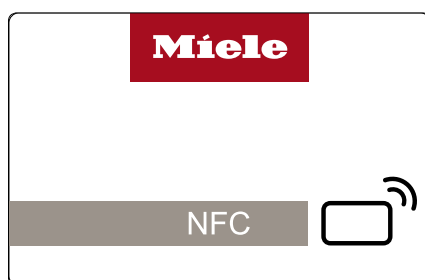
Fast authentication

User authentication is simple using an NFC tag or a user ID/PIN.

Wireless & secure

Data transmission is wireless and secure via encoded WLAN (WPA2) via local surgery network. The WiFi connection is simple to set up with an SSID (Service Set Identifier) and a password.

PDF reports

The successful reprocessing of instruments must be documented in a gap-free manner. For this purpose, DataDiary offers a simple report creation process based on PDF files.

System requirements:
Tablet PC, min. 7" with a min. resolution of 1280 x 800 Px and operating system from Android™ 6 or iOS® 10 upwards.

DataDiary
- Modern, low-maintenance Plug & Play solutions for washer-disinfectors from the PG 858x/9x series.
- Secure, wireless data transfer via encrypted WLAN link
- Protocolling in PDF format
- User identification via ID with password or NFC tag
- Incl. access to app, communication module and 5 NFC chipcards[1]

Mat. no. 10689630

DataDiary CUBE
- Modern, low-maintenance Plug & Play solution for CUBE/CUBE X small sterilisers
- Wireless data transmission via WiFi using a local network
- Protocolling in PDF format
- User identification via ID with password or NFC tag
- Incl. access to app, WiFi dongle key and 5 NFC chipcards[1]

Mat. no. 11394260
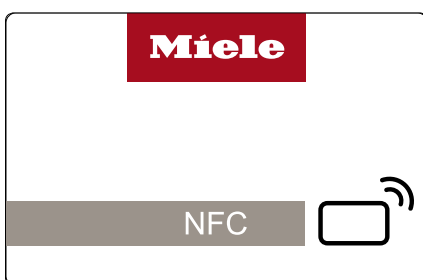
DataDiaryID
- Includes 5 NFC chipcards for DataDiary and DataDiary CUBE
- Easy user registration via NFC tag

Mat. no. 10735270

Follow Dr. Dent as he uses the DataDiary app for process documentation.

System requirements:
Tablet PC, min. 7" with a min. resolution of 1280 x 800 Px and operating system from Android™ 6 or iOS® 10 upwards.

1 Tablet PC not included in the price/scope of delivery.

Process documentation system

A certified approach to security

APS 101 Sego –
Segosoft Miele Edition
• Process documentation software
  for use in direct PC connections or
  network connections
Scope
• Software download*, Comfort Plus
  software package, PDF installation
  instructions, licence card for 1
  machine
Max. number of connections
• Serial connection: 4 units
• Network connection: Any number
  of units
Data transmission
• Direct connection of machine and
  PC or machine and surgery network
Model compatibility
• Miele thermal disinfectors and small
  sterilisers
• Machines from other manufacturers
  on request

Mat. no. 10019160

APS 102 Sego –
SegoAssign Plus:
• Optional licence links Segosoft
  Miele Edition with patient
  management systems, offering
  the benefits of a simple, paperless
  and fast assignment of processed
  cycles to patients.
Scope
• License card[1]

Mat. no. 10106600

APH 100 –
Serial Industrial Converter
• For serial connection of max. 2
  Miele washer-disinfectors
• USB connection between Serial
  Industrial Converter and PC
• Galvanic separation of all
  connections
Scope
• Transformer/rectifier unit
• Supply lead length: 1.4 m
• USB cable 0.5 m

Model compatibility
• Miele PWD 8531 and PWD 8532
  washer-disinfectors
• Dimensions (H x L x W):
  31 x 90 x 109 mm
• Machines from other manufacturers
  on request

Mat. no. 9574000

APH 110 Net500 –
Net500 network converter
• Connection of machines with serial
  interface to a surgery network
  (network connection as per
  Option 3)
• Converts serial data (RS 232) to
  network protocol (TCP/IP)
• Machines from other manufacturers
  on request
Scope
• Transformer/rectifier unit
• Supply lead length: 1.4 m
• Dimensions (H x L x W):
  31 x 90 x 109 mm

Connection cable for Net500
• Machine cable: Serial connection
  cable (Type 1 **or** 2, depending on
  model) for connection of Net500 to
  machine
• Network cable:
  (Type 6 or 7, depending on required
  length) for connection of Net500 to
  surgery network

Mat. no. 9687440

APH 550 Sego label printer for
Segolabel Miele Edition and CUBE /
CUBE X sterilisers
• Complete package consisting of
  hardware and software to create
  sterile supply labels
• Compatible with CUBE and CUBE X
  small steam sterilisers
Scope
• Software CD*, installation
  instructions, PRT 200 label printer
  incl. power supply unit (cable
  length: 3.8 m) and USB cable
  (length 2 m)
• 1 roll of 1000 labels
• Colour ribbon

APH 595 – Colour ribbon
• Colour ribbon for PRT 200 label
  printer
Mat. no. 7951520

APH 596 – Labels
• Labels for PRT 200 label printer
Scope
• 1 roll of 1000 labels
Mat. no. 7951530

APH 510 PRT110 -
Protocol printer
• Printer for printing process reports
Mat. no. 11053310

Model compatibility
• All Miele thermal disinfectors
• PG 8581 and PG 8591 only in
  combination with XKM RS232 10 Med
  serial communication module
• APH 530 – Printer cable for PRT 110
  printer
Mat. no. 6095260
• Printer cable length 15 m (cable not
  supplied with printer)
• Cartridges, paper rolls
• APH 592 –
  Black ink ribbon for PRT 110
Mat. no. 11053500
• APH 591 – Paper rolls,
  5 off, for PRT 110
Mat. no. 9063410

System requirements for all software systems
• CPU rate at least 2 GHz or higher
• SVGA graphics with 1024 x 768 Px, 17" monitor or larger, recommended HD 1820
  x 1080 Px
• Memory at least 2 GB, 4 GB recommended
• Hard drive with at least 64 GB free memory, 256 GB or higher recommended
• Min. 2 USB ports, 3 recommended, network interface, Internet access
• Operating systems: Windows 8.1, Windows 10
• Adobe Acrobat Reader, Version 11.08 or higher
• Backup system recommended
Software download
• https://www.miele.de/professional/service-und-support-52.htm

Required additional service from Miele service partner:
ServiceCard and services (obligatory for Segosoft Miele Edition!)
• Update of digital signature extending legal validity
• Telephone support, software updates
• Flat-rate fee per surgery: € 215 (excl. SegoAssign Plus)
• Flat-rate fee per surgery: € 295 (incl. SegoAssign Plus)
Note: Legal validity of digital signatures in Segosoft Miele Edition in
accordance with BSI (German Federal Office of Data Security).
An extension of this legal validity is provided by the ServiceCard.
(Flat-rate fee per surgery: € 215 (excl. SegoAssign Plus))

[1] Required additional service: ServiceCard (software maintenance/support)

Further process documentation components

The reproducible documentation of reprocessing not only gives dentists the peace of mind of knowing that they are on the right side of the law. It also facilitates the logging of individual process stages for detailed analysis later and therefore lends itself to particularly effective quality management – a real benefit for patients and the surgery team alike.

Further products	Mat. no.
APH 301 – Connection cable, serial, length 3 m (Type 1)	7951420
APH 302 – Connection cable, serial, length 3 m (Type 2)	7951410
APH 303 – Extension cable 3 m (Type 3) for connection cable Type 1 or Type 2	7951430
APH 304 – Extension cable 5 m (Type 4) for connection cable Type 1 or Type 2	7951440
APH 305 – Extension cable 10 m (Type 5) for connection cable Type 1 or Type 2	7951450
APH 330 – Gender-changer adapter for Hawo heat-seal unit	7986870
APH 331 – Melag connection cable (Vacuklav 24, 31, Autoclav 25), length 3 m, in addition to Type 1 connection cable	9573240
APH 332 – W&H adapter (Lisa 317, 322, 517, 522), length 3 m, in addition to Type 2 connection cable	9553890
APH 333 – W&H/Madrimed adapter (Lisa MB17, MB22, Madrimed), length 3 m, in addition to Type 1 connection cable	9554370
APH 406 – Network cable, length 3 m (network connection) (Type 6)	7951470
APH 407 – Network cable, length 5 m (network connection) (Type 7)	7951480
APH 408 – Network cable, crossover, length 3 m (direct PC connection) (Type 8)	7951490
APH 409 – Network cable, crossover, length 5 m (direct PC connection) (Type 9)	7951500
APH 531 – Adapter (null modem) for PRT 110 printer cable	9573970
APH 590 – Printer cartridge for PRT 100	9063390
RJ 45 connector	7076891

[1] Required additional service: ServiceCard (software maintenance/support)

Process documentation communication modules

Components

XKM 3000 L Med Ethernet module
- Communication module for connection to Segosoft Miele Edition or other process documentation software
- Ring buffer for up to 30 process reports and 2 graphic reports
- No additional components needed for direct or network connection
- Supports DHCP (Dynamic Host Configuration Protocol) facilitating automatic selection of network parameters
- Baud rate: 10/100 Mbit/s
- Length of supply lead: 1.5 m
- Cable extension possible using enclosed connector

Mat. no. 10440980

XKM RS232 10 Med serial module
- Communication module for connection to Segosoft Miele Edition USB kit or PRT 100 and PRT 110 report printers
- Ring buffer for up to 25 process reports
- Adapts report length between short and long to suit customer requirements
- Baud rate: max. 38 kbits
- Length of supply lead: 1.5 m
- Cable extension to total length of 15 m possible

Optional for PG 8581 and PG 8591.

Mat. no. 10444420

DataDiary
- For PG 8581 and PG 8591 thermal disinfectors
- For connection via local surgery network
- WiFi communication module XKM 3100 W CDS
- 5 NFC chipcards
- Installation and operating instructions
- Tablet PC not included in scope of delivery

Included with PG 8581 and PG 8591 models if set including WiFi is selected.

Mat. no. 10689630

APST 002 WiFi dongle key
- WiFi dongle key for CUBE and CUBE X small steam sterilisers
- For use in WLAN network or in Access Point mode
- Support data exchange via approved directory in local network

Mat. no. 11376380

DataDiary CUBE
- For CUBE and CUBE X small steam sterilisers
- WiFi dongle key
- 5 NFC chipcards
- For connection via a local WLAN network
- Tablet PC not included in scope of delivery

Mat. no. 11394260

Process documentation

Everything visible at a glance

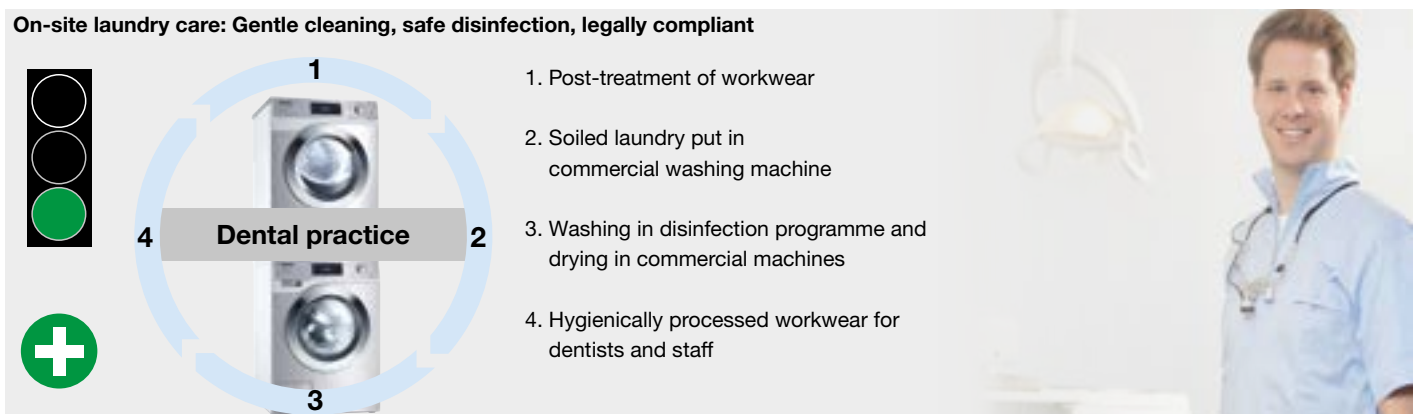| Process documentation		Direct connection between PC and machine		Connection via surgery network			Printer
		Option 1:	**Option 2:**	**Option 3:**	**Option 4:**	**Option 5:**	
		Connection of PC to machine via serial interface	PC connection to unit with Ethernet module	Network connection to machine with serial interface	Network connection to machine with machine network interface (Ethernet, WiFi)	Network connection to machines with XKM 3000 L Med Ethernet module	
		e.g. Miele washer-disinfector PWD 853x	e.g. Miele PG 858x/9x washer-disinfector (with XKM 3000 L Med)	e.g. Miele washer-disinfector PWD 853x	e.g. Miele washer-disinfectors PG 8535, PG 8536 / CUBE, CUBE X small sterilisers	e.g. Miele washer-disinfector PWD 853x/859x	e.g. Miele PG 858x/859x washer-disinfector (with XKM RS232 10 Med)
DataDiary app	**Mat. no.**						
DataDiary - for PG 858x/9x	10689630				X (connection via WiFi)		
DataDiary CUBE - for CUBE/CUBE X	11394260				X (connection via WiFi)		
Segosoft Miele Edition	**Mat. no.**						
APS 101 Sego – Segosoft Miele Edition (licence)[1]	10019160	X	X	X	X	X	
APH 301 – Connection cable Type 1, serial, 3 m	7951420	X (Type 1 or Type 2, depending on model type)		X (Type 1 or Type 2, depending on model type)			
APH 302 – Connection cable Type 2, serial, 3 m	7951410						
APH 100 – Serial Industrial Converter	9574000	X (optional with two machines)					
APH 303 – Extension cable Type 3, 3 m for connection cable Type 1 or Type 2	7951430	Option					
APH 304 – Extension cable Type 4, 5 m for connection cable Type 1 or Type 2	7951440	Option					
APH 305 – Extension cable Type 5, 10 m for connection cable Type 1 or Type 2	7951450	Option					
APH 110 Net500 – Network converter (RS 232 to Network RJ45)	9687440			X			
APH 406 – Network cable Type 6, 3 m (network connection)	7951470			X (Type 6 or Type 7, depending on required length)	X (Type 6 or Type 7, depending on required length)	X (Type 6 or Type 7, depending on required length)	
APH 407 – Network cable Type 7, 5 m (network connection)	7951480						
APH 408 – Network cable Type 8, crossover, 3 m (direct connection to PC)	7951490		X (Type 8 or Type 9, depending on required length)				
APH 409 – Network cable Type 9, crossover, 5 m (direct connection to PC)	7951500						
APH 510 PRT 110, report printer, serial interface	11053310						X
APH 530 – Printer cable 15 m, serial, for PRT 110 printer	6095260						X
APH 531 – Null modem adapter for printer cable	9573970						X
RJ 45 connector	7076891					Optional (If cable extension is required. Cable length XKM module 1.5 m.)	

X = required, [1]necessary additional service: ServiceCard, software maintenance

Care of workwear

Benefits of commercial laundry care and perfect quality management

On-site laundry care: Gentle cleaning, safe disinfection, legally compliant

1. Post-treatment of workwear

2. Soiled laundry put in commercial washing machine

3. Washing in disinfection programme and drying in commercial machines

4. Hygienically processed workwear for dentists and staff

Benefits and perfect quality management
- Simple logistics in a closed-loop in-house system
- Guideline-compliant cleaning of workwear
- Washing with approved and efficient disinfecting programmes
- Clean workwear ready for use again faster
- Cost-efficient cleaning, even of small loads
- Disinfecting wash process is closely monitored (no programme interruptions due to user errors, temperature and holding time monitoring, 'container empty' signal with liquid detergent dispensing)

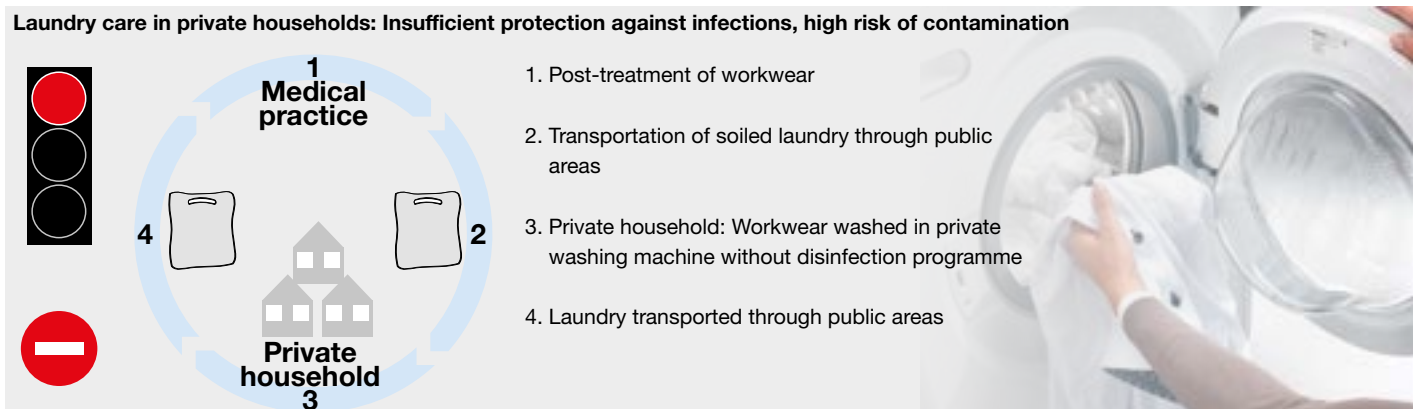**These guidelines recommend a disinfection wash**
- Robert Koch Institute (RKI)
- German accident insurance companies
- German Working Group for Hygiene in Dental Medicine
- Hygiene and Medical Products Competence Centre of Association of Statutory Health Insurance Physicians
- Guideline: Hygiene in doctors' surgeries

Additional hygiene and safety
- Miele ProHygiene: Monitoring of disinfection performance in wash process using bio-indicators.

PROHygiene

Laundry care in private households: Insufficient protection against infections, high risk of contamination

1. Post-treatment of workwear

2. Transportation of soiled laundry through public areas

3. Private household: Workwear washed in private washing machine without disinfection programme

4. Laundry transported through public areas

Disadvantages and uncontrollable risks
- Open transportation of contaminated textiles
- Time-consuming laundry care (more laundry must be stored to ensure availability)
- Possible cross-contamination of private laundry
- Domestic laundry machines lack suitable disinfection programmes
- Possible contamination of laundry during transportation from private house to surgery

LITTLE GIANT hygiene washing machine

7 kg load capacity / M Select controls

Washing machine	PWM 507 Hygiene
User interface	M Select
Load capacity [kg]	7
Drum volume [l]	64
Max. spin speed [rpm]	1600
g-factor/Residual moisture* [%]	704/48
Cycle time** [mins.]	49
Heating	EL
Drainage [DP DN 22 / DV DN 70]	DP or DV
Front colour / material	LW or SST
External dimensions H/W/D [mm]	850/596/714
Mat. no. (DP, SST (drain pump, stainless steel))	11 049 730
Mat. no. (DV, SST (drain valve, stainless steel))	11 049 740

EL = Electric, DP = Drain pump, DV = Drain valve, LW = Lotus white, enamelled, SST = Stainless steel
* Residual moisture after hot final rinse, ** Cycle time in 'Cottons 60°C, hot water

Hygiene model version
- Designed to meet the needs for greater hygiene, e.g. in dental practices
- Safe disinfection through numerous disinfection programmes, including RKI-listed programmes

M Select controls
- Rotary control
- Programme symbols on control panel
- Touch display with all information in local language, 29 languages

Highlights
- Exclusive to Miele: Gentle and thorough fabric care with new patented honeycomb drum
- Very low residual moisture levels on account of high g-factor
- Exclusive to Miele: CapDosing for practical dispensing in the right quantity, e.g. fabric conditioner, detergent for woollens
- Energy efficiency rating A+++
- Installation as space-saving washer-dryer stack possible

Optional accessories
- Plinths for ergonomic loading and unloading
- Dispenser adapter for automatic dispensing of liquid detergent

XCI box
- Communication unit for connection to dispenser pumps and energy management systems

Miele honeycomb drum: Patent EP 2 390 399 B1

LITTLE GIANTS tumble dryers

7 kg load capacity / M Select controls

Dryers	PDR 507 EL	PDR 507 HP
User interface	M Select	M Select
Drying system	Vented	Heat-pump**
Load capacity [kg]	7	7
Drum volume [l]	130	130
Cycle time Cottons/Mixed fabrics* [mins.]	37/32	67/57
Heating	EL	HP
Heater rating [kW]	6.14	–
Vented	DN 100	–
Front colour / material	LW or SST	LW or SST
External dimensions H/W/D [mm]	850/596/717	850/596/777
Mat. no. (EL, SST (electric, stainless steel))	11 050 510	-
Mat. no. (HP, SST (heat pump, stainless steel))	-	11 050 530

EL = Electric, HP = Heat pump, LW = Lotus white, enamelled, SST = Stainless steel, * Cycle time in Normal Dry programme,
** Contains FCs, hermetically sealed; Coolant R134a, Coolant quantity 0.61 kg, ODP of coolant: 1430 kg CO_2 e, ODP of machine: 872 kg CO_2 e

M Select controls
- Rotary control
- Programme symbols on control panel
- Touch display with all information in local language, 29 languages
- Numerous special programmes as standard, e.g. Hygiene

Highlights
- Exclusive to Miele: Gentle and uniform drying with new patented honeycomb drum
- Spot-on drying results thanks to patented PerfectDry system
- Time savings and convenience thanks to large-surface lint filter
- High efficiency through maintenance-free, energy-saving drive motor
- Installation as space-saving washer-dryer stack possible

Highlights: Heat-pump dryers
- Flexible installation without the need for vent ducting
- Energy efficiency rating A++:
  Up to 60% energy savings compared with a conventional condenser dryer

Optional accessories
- Plinths for ergonomic loading and unloading

XCI box
- Communication module for setting up a connection with external systems.

Miele honeycomb drum: Patent EP 2 390 399 B1

Dishwashing

Miele benefits with a payback

Very short cycles
Are very short programme durations and sparkling results important to you? In this case, the new ProfiLine dishwashers are the perfect choice: Connections for hot water and a 3-phase supply, intelligent dishwashing technology and a powerful heater pump ensure the shortest possible cycle times, starting at only 17 minutes, combined with optimum cleaning results. Take advantage of innovative features that make your crockery sparkle day after day in the shortest space of time.

Convenient connectivity
How about saving time to concentrate on more important jobs? No problem! With the aid of the free Miele apps* Miele@mobile or mielepro@mobile, you are in a position to communicate with your machine from anywhere and at any time to control programmes, check up on remaining programme times or monitor supplies. It only takes a few clicks to conveniently order dishwasher tablets and other supplies from your smartphone or tablet PC.

Automatic dispensing of liquid detergent
Dispensing liquid detergent via an external dispenser is both convenient and precise.

Low consumption
The environmentally friendly way of cutting costs: ProfiLine dishwashers with their low consumption are convincing and known for their maximum efficiency. The aim during product development is to achieve perfect dishwashing results by using recyclable materials and no more water, energy and detergent than is absolutely necessary.

Excellent hygiene
In office kitchens available to staff and visitors, hygiene must be high on the agenda. The new ProfiLine dishwashers operating on the fresh water principle achieve extremely hygienic results thanks to their high main wash and rinse temperatures, particularly in the 'Hygiene' programme.

Perfect GlassCare[1]
Soft water cleans crockery thoroughly but has an aggressive effect on glass. Consequently, ProfiLine dishwashers are equipped with Perfect GlassCare[1] technology. This feature ensures that the water used has the correct mineral content. This helps protect glassware and keeps stemware looking as good as new.

*Minimum requirements: Android 4.2+/iOS 9+
[1] European patent EP 1 457 153 B

ProfiLine model overview

Dishwashers	PG 8130	PG 8130 i	PG 8133 SCVi XXL
Construction type	Countertop unit	Integrated	Fully integrated
Fascia panels	White	CleanSteel	CleanSteel
Capacity			
Max. wash cycles per day	5	5	5
Shortest cycle time	17	17	17
Efficiency			
Sustainability/Drying performance	A++/A	A++/A	A++/A
Operating noise dB(A) re 1 pW	45	45	45
Convenience			
AutoOpen drying	•	•	•
ComfortClose	•	•	•
BrilliantLight	-	-	•
Countdown indicator, delay start of up to 24 h	•	•	•

Dishwashers	PG 8130	PG 8130 i	PG 8133 SCVi XXL
Cutlery storage	Cutlery basket	Cutlery basket	3D+ cutlery tray
Basket design	MaxiComfort	MaxiComfort	MaxiComfort
Number of place settings/cycle	13	13	14
Electrical connection			
Power supply	3N AC 400V 50 Hz	3N AC 400V 50 Hz	3N AC 400V 50 Hz
Heater rating in kW/fuse rating	8.1 / 3 x 16 A	8.1 / 3 x 16 A	8.1 / 3 x 16 A
Total rated load in kW	8.3	8.3	8.3
Convertible by Miele Service, chargeable	1N AC 230V 50 Hz	1N AC 230V 50 Hz	1N AC 230V 50 Hz
Heater rating in kW/fuse rating	2.1 / 10 A	2.1 / 10 A	2.1 / 10 A
Total rated load in kW	2.3	2.3	2.3
Cold or hot water connection (15°C-60°C)	x	x	x
Dimensions/weight			
External dimensions H/W/D [mm]	845/598/600	805/598/570	845/598/570
Recess width [mm]	600	600	600
Weight, net [kg]	62	55	56
Material number	10 565 500	10 565 520	10 565 560

Service

Functional safety and preservation of value

Miele Professional is synonymous with exceptional quality – not least when it comes to service. Blanket service coverage enables a response within 24 hours. And, thanks to on-board spares, first service visits result in around 90% first-time fixes. It is no coincidence that Miele's customer service has been awarded top ratings for outstanding service for many years.

Miele service contracts

Preventative maintenance
• Inspection
• Maintenance
• Incl. high-mortality parts

Full-service maintenance contract
• Inspection
• Maintenance
• Incl. high-mortality parts
• Incl. repairs

Performance validation

Performance validation
• Installation qualification
• Operation qualification
• Performance validation

Performance revalidation
• Performance validation without concrete reason
• Performance validation with concrete reason

Comprehensive service from the very start
Even before a machine is installed, Miele's sales force is available to provide dentists with in-depth advice. Experienced experts assist in selecting the most suitable machines and configurations to suit individual needs. On request, feasibility calculations can be provided, along with tailored financing packages.

Miele also offers a series of process checks performed at various times throughout a machine's life cycle. Specially trained technicians carry out process tests in accordance with legal requirements and standards as well as country-specific recommendations.

**Service to meet professional expectations**
Highly qualified Miele service engineers oversee the delivery and commissioning of machines and are available to perform various routine checks during machine operation. This prevents faults occurring in the first place and offers an opportunity to optimise operating parameters on an ongoing basis. A further advantage: regular checks and maintenance safeguard investments.
• Quality service through blanket network of medical device technicians (more than 230 technicians in Germany alone)
• Short response times and on-site servicing within 24 hours
• 90% of service calls result in first-time fixes
• Reliable spares service, key functional parts available for 15 years after series production ceases

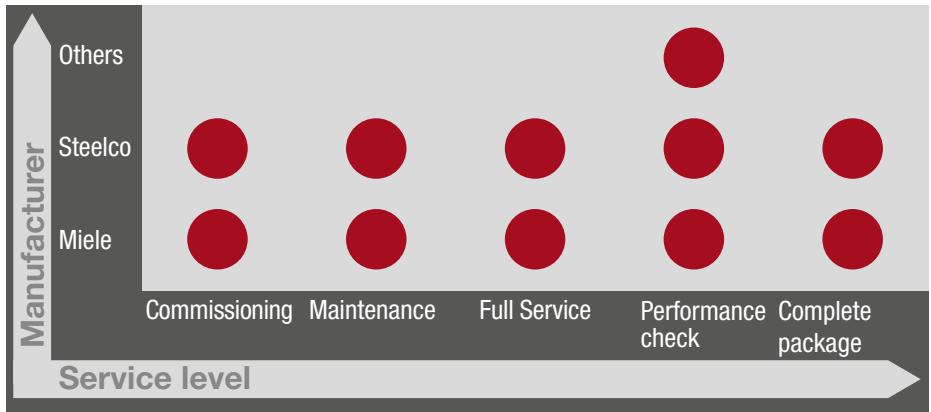**Customised service contracts and inspections**
Miele Professional offers surgeries of all sizes tailored service contracts. In honouring these contracts, Miele service engineers regularly assess and evaluate the condition of machines. Depending on the contract concluded, this comprises an analysis of functionality and safety with respect to all key components, including replacement as and when necessary. Scheduled inspection and maintenance prevents breakdowns from happening in the first place, increases the life expectancy of machines and contributes towards safeguarding investments. This offer from the Miele Customer Service Department includes a whole range of performance and process checks which are performed at various points throughout the life of the machine.

Service packages

Complete package

Maintenance   Full service maintenance   Performance validation
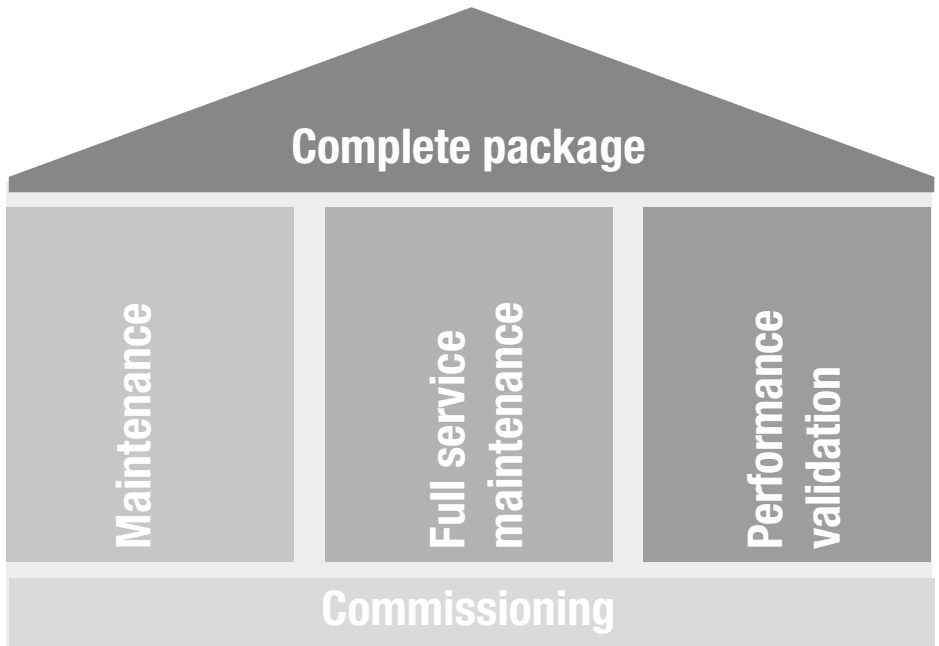
Commissioning

From commissioning to full package:
Miele offers a choice of several service packages. Following the commissioning of new machines, maintenance, repairs and performance checks are available from Miele Service. Maintenance involves the replacement of parts subject to wear and tear as part of preventative maintenance. Alongside regular maintenance, a full-service maintenance contract also covers the costs of further potential repairs. Performance checks include the validation of processes to ensure cleaning and disinfection performance. Miele's comprehensive service package comprises all three aspects of servicing and hence represents a peace-of-mind package.

Overview of service packages and manufacturers

Manufacturer	Commissioning	Maintenance	Full Service	Performance check	Complete package
Others				●	
Steelco	●	●	●	●	●
Miele	●	●	●	●	●

Service level

Single-source supply:
Miele also offers service packages for Steelco products. Technicians are suitably trained and the required spare parts can easily be accessed via Miele. Miele also offers validation services for products from other manufacturers.

Services

Delivery
Miele's terms of delivery apply throughout.

Site access
Further transportation to the installation site can be provided on request. Requires ground-level access without machine disassembly/reassembly. Machine installation will be charged at the applicable rates or depending on the time and effort involved.

Packaging
All units are packaged for shipment.
Packaging is included in the price of machines.

Installation
Installation services can be provided at extra cost. Gas, water, steam and electricity supplies are to be provided on site and do not constitute part of the consignment. On-site utilities according to Miele installation plans are the responsibility of the buyer and should be installed by qualified fitters. This presumes the machine is already at the precise installation location.

Commissioning
Commissioning of the machine and the instruction of operating staff is performed by Miele Service or an authorised agent and is included in the purchase price.

Warranty
Miele provides warranty coverage for machines and equipment used in commercial or similar applications for the duration of 12 months from the commissioning date. This does not cover consumables or damage resulting from misuse or abuse.
A 24-month guarantee from the date of commissioning applies to Cube and Cube X small steam sterilisers.

Service contracts
Service contracts are available to meet the needs of individual surgeries.

Sustainability – 'Forever better'

Immer besser. This quality promise given by our founding fathers is still the benchmark for our sustainability activities. The protection of the climate and the environment has advanced to become a central tenet of our corporate strategy and makes a major contribution to Miele's success worldwide.

Our goal is clear: We strive to become the most sustainable company in our branch of industry. To this end, we have instigated appropriate programmes within the framework of our sustainability strategy and on the basis of the sustainability development goals of the United Nations which we are implementing step by step. Current sustainability rankings such as the Sustainability Image Score in which we achieved first place in 2017 for the first time confirm that we are on track with our commitment to greater sustainability. This award is both an honour and the incentive to persist in our efforts to ensure that future generations can live in a world where they can enjoy access to the resources we have today.

360°
system concept

For more than 120 years, Miele has been manufacturing high-quality domestic appliances and commercial machines and stands for values such as durability and reliability. Miele is the only manufacturer in the industry to test its products to last up to 20 years. Furthermore, not only do we subscribe to the highest of quality demands in production, we also are very mindful of upstream and downstream process steps. Even in the very early stages of product development, we work to ensure that our products can easily be recycled later. Our products boast a very high level of recyclability when compared with the rest of our industry. This is because of a high metal content of up to 90% on commercial machines.

As an employer with a keen sense of responsibility, business partner and neighbour, Miele takes its duty towards society seriously. We are engaged in a continuous dialogue with our stakeholders whose demands we strive to take on board wherever possible.

On the basis of groundbreaking and innovative technologies, we develop environmentally friendly domestic appliances and commercial machines characterised by their excellent energy efficiency and reduced CO_2 emissions which take account of clients' individual needs for convenience and high-performance technology.

A sustainable system

System4Dent

For more than 120 years, the development and production of innovative and sustainable products has been key to Miele's sustainability strategy. In the process, we meticulously adhere to valid international standards, without losing sight of the individual needs and requirements of our customers. Our goal is to produce machines offering excellent benefits whilst at the same time placing the least possible strain on the environment. A most recent example of this is the Miele Professional dental system which meets the highest of sustainability requirements both with respect to the system as a whole and its individual components:

Our four building blocks

REPROCESSING

- Reprocessing and reuse of dental instruments thanks to a broad and variable portfolio of accessories
- Cut costs and avoid unnecessary waste

EASY ON RESOURCES

- Resource-friendly reprocessing and top-class quality (more than 90% of the stainless steel used on thermal disinfectors is recycled)
- Reprocessing of dental instruments combined with low water, electricity and detergent consumption

DURABILITY

- Excellent environmental credentials thanks to product longevity (e.g. PG 85 thermal disinfectors tested to last at least 15,000 hours of operation)

- Maintenance packages preserve the value of dental machines

PRODUCT SAFETY

- As a certified manufacturer of medical devices, product safety is of paramount importance to Miele Professional
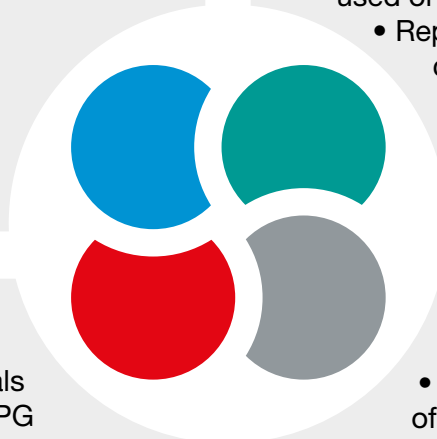
Miele

Miele & Cie. KG, Gütersloh
www.miele-professional.com

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 components, comprehensive advisory services and a Miele service operation which guarantees fast response times ensure that machines perform to perfection and offer the ultimate in capacity and efficiency.

Miele Professional on the web
- For detailed information on technical data, features and components
- Brochures covering all product groups and applications available as downloads
- Detailed information, instructions and product presentations on Miele Professional's YouTube channel