

Miele

Solutions for surgeries and hospitals

Miele Professional. Immer Besser.



Instrument reprocessing

Taking a holistic approach

High-performance units, tailored process chemicals, modern process documentation and top-notch service quality – Miele Professional is offering an innovative all-round system for the safe and efficient reprocessing of instruments. This way, surgeries and clinics profit from a four-stage solution from a single source which optimizes both the process cycle and administrative work.

- **Washing and disinfection**

Innovative washer-disinfectors with individually selectable features

- **Process chemicals**

Tailored process chemicals for the thorough and gentle cleaning

- **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



Confidence in the Miele brand

Miele Professional has now been setting standards in the field of efficient and safe machine-based reprocessing in clinics and surgeries for almost 6 decades. Our washer-disinfectors, bedpan washers and small sterilisers excel in terms of performance, efficiency and safety in the cleaning, disinfection and sterilisation of instruments and loads from a variety of applications.

Recommended by the most discerning Leading instrument manufacturers place their trust in 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.

AESCLAP®

Miele ORTHOVARIO approved for the reprocessing of current-series Aesculap motor systems.

Geuder®
Precision made in Germany

Recommendation to reprocess ophthalmological instruments with the Miele system.

STORZ
KARL STORZ – ENDOSKOP

Miele OXIVARIO PLUS process approved to prevent the iatrogenic spread of vCJD

OLYMPUS

Safe reprocessing of flexible endoscopes in models ETD4 and mini ETD2 which are designed and manufactured by Miele.

RICHARD WOLF 

spirit of excellence

Value-preserving reprocessing of instruments with the VARIO TD and OXIVARIO processes.

INTUITIVE
SURGICAL®

Approval granted to reprocess robotic-assisted instruments using the Miele ROBOTVARIO system.

KAVO
Dental Excellence

W&H

PG 8582 and PG 8592 washer-disinfectors

Miele benefits with a payback



Greater performance

Washer-disinfectors from Miele Professional excel in terms of the excellence of their cleaning performance combined with high throughput.

- Reprocessing of up to 44 lumened instruments and other load items in the same cycle
- The innovative heater pump adjusts pump pressure to the prograde stage in question, thereby ensuring optimum results.



Greater safety

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

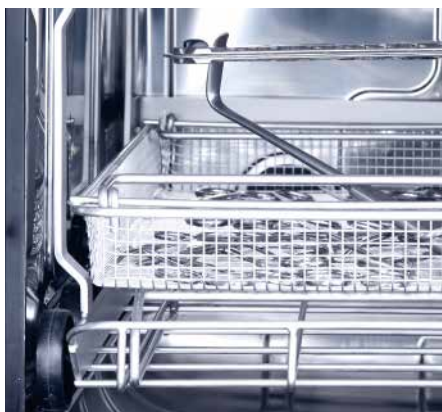
- Multi-stage filtration system is highly efficient in removing dirt particles from the wash water
- Laser technology is used to weld the chamber, which does not contain visible heater elements, to give a perfectly smooth, crevice-free finish offering no nooks or crannies where blood or soil can accumulate.



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

Washer-disinfectors feature spray pressure and spray arm monitoring. These advanced sensors make a considerable contribution towards ensuring the reliability of reprocessing.

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



Efficient drying

- EcoDry: After the program ends, the door of the PG 8582 opens automatically thanks to the AutoOpen function. This releases hot, moisture-laden air, allowing the load to dry and cool down faster.
- DryPlus hot-air drying on the PG 8592 with upstream HEPA 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. Consequently, all Miele washer-disinfectors are thoroughly tested and optimised in Miele laboratories. 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. Constant high spray pressure and repeatable reprocessing results.

Model overview

PG 8582, PG 8592



Lab washers (left to right)	PG 8582	PG 8592
Width, height, depth [mm]	600, 835 (820*), 600	600, 835 (820*), 600
Width, height, depth [in]	23.6, 32.3 (32.9*), 23.6	23.6, 32.3 (32.9*), 23.6
Duration Vario TD ENT (Washing and disinfection) [mins.]	52	50
Cycle capacity		
DIN mesh trays	8	8
DIN mesh trays/lumened instruments connected using LuerLock adapters	8/6	8/6
AN sets	2-3	2-3
MIS sets	1-2	1-2
GYN specula	42	42
Drying	EcoDry	DryPlus
Integrated dispenser pump	2	1
Electrical connection 2 AC 208 V, 60 Hz	•	•
Total rated load [kW]	6.2	6.2

* without lid (lid supplied with machine)

Equip your washer-disinfectors with:

- Baskets and components
- Process documentation

Technical data

Washer-disinfector	PG 8582	PG 8592
Freestanding unit / can be built under without lid	●	●
Circulation pump [Qmax. l/min.]	500	500
Controls/programs		
Programs (+ 2 vacant program slots)	18	19
TouchControl	●	●
AutoClose - Automatic door lock	●	●
Buzzer, acoustic signal at end of program	●	●
Ethernet module/RS232 module for process documentation	Option	Option
Water connections		
1 x cold water, 2.0–10 bar flow pressure (200–1000 kPa)	●	●
1 x cold water for steam condenser, 2.0–10 bar flow pressure (200–1000 kPa)	●	●
1 x demineralized water, 2.0–10 bar flow pressure (200–1000 kPa)	●	●
1 x hot water, 2.0–10 bar flow pressure (200–1000 kPa)	●	●
No. of inlet hoses, ½" with ¾" threaded union, l = approx. 1.7 m	4	4
Drain pump Ø 22, Max. head height: 100 cm	●	●
WaterProof System (WPS)	●	●
Electrical connection		
2 AC 208 V 60 Hz convertible to 3 AC 208 V 60 Hz, supply lead, approx. 2.0 m, incl. plug	●	●
Heating [kW]	5.4	5.4
Circulation pump [kW]	0.8	0.8
Total rated load [kW]	6.2	6.2
Fuse rating [A]	2 x 30	2 x 30
Dispenser systems		
1 door dispenser for surfactant	●	●
1 dispenser pump for liquid detergent (suction lance length: 217 mm)	●	●
1 dispenser pump for neutralising agent (suction lance length: 217 mm)	●	–
Connection options		
DOS K 85 or DOS K 85/1 for liquid dispensing	2/1	2
Water softener		
For hot and cold water, max 65°C	●	●
Steam condenser		
Aerosol	●	●
Drying unit/Radial fan		
Fan	–	0.3
Heater bank [kW]	–	2.2
Total rated load [kW]	–	2.5
Air throughput [m³/h]	–	47
Temperature selection in 1° increments [°C]	–	50 – 115
Time selection in 1-minute increments [min]	–	0 – 120
Particulate filter/HEPA filter/filter rating (DIN EN 1822)/filter life	–	H 13/>99.95%/200 h
Dimensions, weight		
External dimensions HWD with lid (mm)	835/600/600	835/600/600
Usable chamber dimensions H/W/D [mm]:	520/530/upper: 474, lower: 520	520/530/upper: 474, lower: 520
Weight [kg]	74	78
Casing		
Stainless steel (AE)	●	●
Compliance with standards		
ISO 15883-1/2/6, CSA UL No. 61010-1 (2nd Edition), IEC 61010-2-040:2006	●	●
CAN/CSA-C22.2 No. 61010-1-04, CAN/CSA-C22.2 No. 61010-2-040	●	●
Test certificates and symbols		
CSA, UL, IP 21	●	●
CE 0297	●	●
Health Canada Medical Device Class II	●	●

Innovative program cycles

In order to meet the wide-ranging needs of clients, these washer-disinfectors are equipped with numerous application-specific programs.

VARIO TD

Vario TD

Standard program for routine instrument cleaning and disinfection, achieving good removal of organic contamination (blood, secretion) from instruments which do not pose a particular challenge. Thermal disinfection takes place at $> 90^{\circ}\text{C}$ for 5 minutes. For greater efficiency and capacity, Miele offers Vario TD programs for 4, 6 or 8 mesh trays.

Different programs for 4, 6 and 8 mesh trays offer the benefits of curtailing the cycle time for 4 mesh trays by approx. 10-14 minutes and saving approx. 25 l of water.

There are also further programs covering minimally invasive surgery and gynaecology as well as programs for the reprocessing of OR shoes, ward utensils and baby bottles.

Vario TD ENT Optics

The Vario TD ENT Optics program serves to reprocess slightly soiled ENT fibre optics and has a very short cycle time of only appr. 30 mins.

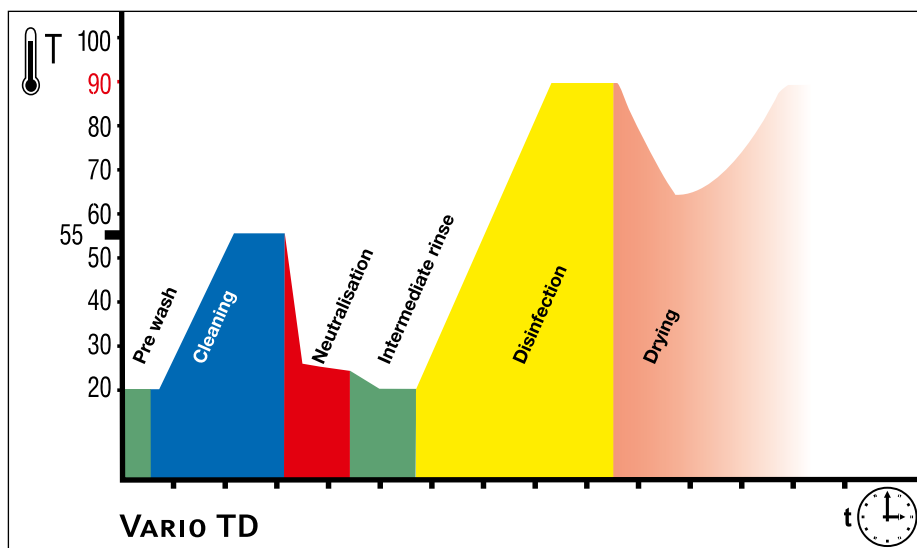
Furthermore, models PG 8582 and PG 8592 each offer 2 vacant program slots which can be used to cater for users' individual needs.

Vario TD ENT+

The special Vario TD ENT+ allows the reprocessing of up to 44 lumened instruments plus further ENT instruments.

Ophthalmology

Miele washer-disinfectors also feature the special Ophthalmology program to meet the needs of eye surgery. Final rinsing with fully demineralized water in this program reduces chemical residues to a minimum. This is particularly important as even the slightest traces of process chemicals can result in severe complications, e.g. caustic burns to the eye. The precise control and automatic repetition of the final rinse cycle is facilitated by an integrated conductivity meter (depending on model).



Programs, cycle times, consumption

PG 8582, PG 8592

PG 8582		Washing/disinfection				Drying	
	Cycle time	CW*	HW	AD	Energy	Cycle time	Energy
	[mins.]	[l]	[l]	[l]	[kWh]	[mins.]	[kWh]
Vario TD Instr 4 mesh trays	49	17.4	18.2	9.0	2.2	6	–
Vario TD Instr 6 mesh trays	62	25.2	27.3	13.0	3.0	6	–
Vario TD MIS	51	18.6	12.5	16.0	2.4	5	–
Vario TD AN	63	25.9	29.6	14.0	2.7	3	–
Vario TD GYN	56	17.4	28.2	7.5	1.9	4	–
Ophthalmology	50	13.8	21.7	17.5	2.0	5	–
Vario TD ENT	52	17.4	18.2	9.0	2.5	5	–
Vario TD ENT Optics	30	10.0	–	9.0	1.8	4	–
Baby bottles	49	17.4	21.2	7.5	2.5	4	–
Ward utensils	37	17.4	12.2	7.5	1.7	3	–
Theatre shoes	35	17.1	12.5	8.5	1.7	2	–
Universal	40	4.5	31.5	18.5	1.6	2	–
Special 93°C-10'	65	11.9	29.6	14.0	3.4	2	–
Rinse	4	10.0	–	–	0.01	–	–

PG 8592		Washing/disinfection				Drying	
	Cycle time	CW*	HW	AD	Energy	Cycle time	Energy
	[mins.]	[l]	[l]	[l]	[kWh]	[mins.]	[kWh]
Vario TD Instr 4 mesh trays	47	17.4	18.2	9.0	2.2	47	0.8
Vario TD Instr 6 mesh trays	60	25.2	27.3	13.0	3.0	55	1.0
Vario TD MIS	49	18.6	12.5	16.0	2.4	42	0.7
Vario TD AN	62	25.9	29.6	14.0	2.7	94	1.7
Vario TD GYN	54	17.4	28.2	7.5	1.9	37	0.6
Ophthalmology	48	13.8	21.7	17.5	2.0	57	0.9
Vario TD ENT	50	17.4	18.2	9.0	2.5	52	0.8
Vario TD ENT Optics	28	10.0	–	9.0	1.8	32	0.5
Baby bottles	47	17.4	21.2	7.5	2.5	62	1.2
Ward utensils	36	17.4	12.2	7.5	1.7	39	0.5
Theatre shoes	34	17.1	12.5	8.5	1.7	44	0.5
Universal	39	4.5	31.5	18.5	1.6	37	0.7
Special 93°C-10'	64	11.9	29.6	14.0	3.4	79	1.4
Rinse	4	10.0	–	–	0.01	–	–
Drying	–	–	–	–	–	40	0.7

Heating: 5.4 kW (3AC 208V 60Hz), connection to cold water (15°C), hot water (65°C) and demineralized water (15°C)
 *excl. water consumption of steam condenser

Innovative load carrier system for PG 8582 and PG 8592 undercounter models

In order to ensure that medical products are reprocessed safely and in a manner which retains their value, Miele Professional offers a wide range of load carriers including upper and lower baskets and inserts for a broad range of instruments.

Improved efficiency.

The load carriers utilize the available space in the chamber to a higher degree, allowing more instruments and other load items to be washed in each cycle. Another benefit accrues from the redesigned water and air circuit: Wash liquor and drying air is fed along a shorter and streamlined circuit and with minimal pressure losses on their way to the spray arms and injector nozzles to best avail. Optimum pressure conditions are also created by the automatically self-sealing docking valves when not occupied.

Sample feature sets for medical applications / recommendations for washer-disinfectors	PG 8582	PG 8592
Sample feature set: 8 mesh trays	•	•
1 x A 208 load carrier with 8 x E 142 mesh trays		
Sample feature set: MIS instruments	–	•
1 x A 203 load carrier		
Sample feature set: MIS instruments and mesh trays	–	•
1 x A 104 upper basket, 1 x A 151 lower basket		
Sample feature set: Anaesthetics	–	•
1 x A 201 load carrier		
Sample feature set: Ophthalmology	–	•
1 x A 207 load carrier, 8 x A 314 ophthalmology tray, 8 x E 197 mesh tray		
Sample feature set: Theatre shoes	–	–
1 x A 103 upper basket with A 308 insert, 1 x A 151 lower basket with A 307 insert		
Sample feature set: Gynaecology	•	•
1 x A 102 upper basket, 1 x A 151 lower basket, 7 x E 416, 1 x E 379		

Sample feature set: 8 mesh trays

for PG 8582 and PG 8592



A 208 load carrier

- Increased capacity: Simultaneous reprocessing of up to 8 DIN mesh trays on 4 levels
- 4 additional LuerLock connections for lumened instruments
- Removable rack level increases vertical clearance on second level from bottom, e.g. for kidney dishes
- Loading dimensions from bottom:
 - Level 1: H 60, W 516, D 490 mm (with frame)
 - Level 1: H 100, W 490, D 490 mm (without frame)
 - Level 2: H 55, W 510, D 500 mm
 - Level 2: H 200, W 510, D 470 mm (w/o Level 3)
 - Level 3: H 130, W 404, D 470 mm
 - Level 4: H 75, W 510, D 500 mm
- H 455, W 530, D 542 mm

Mat. no. 10616030

8 x E 142 insert 1/2 mesh tray

- DIN mesh tray
- 1 mm wire gauge, 5 mm mesh size, 5 mm wire frame
- Two hinged carrying handles
- Max. load 10 kg
- H 45/55, W 255, D 480 mm

Mat. no. 03830300

Sample feature set: MIS

for PG 8592



A 203 load carrier

- For minimally invasive surgical instruments
- Loading on 2 levels
- Applications
 - E 451 mesh tray for small items
 - E 457 insert for separable MIS instruments
 - E 460 insert for rigid fibre optics
 - E 473/2 mesh tray for small items
- H 520, W 529, D 542 mm

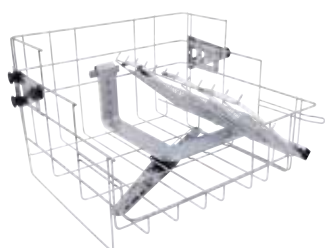
Mat. no. 09862450

Scope

- 3 x E 336 irrigation sleeves, 121 mm
- 2 x E 362 blind stopper
- 15 x E 442 injector sleeves, 121 mm, for MIS instruments, Ø 4-8 mm
- 5 x E 443 injector sleeves, 121 mm, for MIS instruments, Ø 8-12 mm
- 1 x E 444 drum for fibre-optic cables and irrigation tubes
- 1 x E 445, 12 caps, for irrigation sleeves, 6 mm
- 1 x E 446, 12 caps, for irrigation sleeves, 10 mm
- 3 x E 447 adapters, female, for LuerLock, male
- 6 x E 448 silicone hoses, 300 mm, 5 x 1.5 mm with male LuerLock adapters
- 5 x E 449 adapters, female, for LuerLock, male
- 1 x E 451 mesh insert 1/6, with lid
- 3 x E 452 injector nozzles, 2.5 x 60 mm
- 8 x E 453 injector nozzles, Ø 4.0 x 110 mm with spring support
- 6 x E 454 injector nozzles for trocar sleeves, 10-15 mm
- 4 x E 456 spring supports for MIS instruments, e.g. scissors, forceps, etc.
- 3 x E 464 adapter for E 454 injector nozzle
- 2 x E 472 spring support for injector nozzle, Ø 4.0 mm

Sample feature set: MIS and mesh trays

for PG 8592



A 104 upper basket/injector unit

- For surgeries with only few lumened instruments
- For instruments from minimally invasive surgery, arthroscopy, urology
- Left-hand side free for inserts (max. clearance H 310, W 240, D 455 mm)
- Right-hand side for 11 lumened instruments (max. length of connected instruments: 430 mm)
- Four additional LuerLock connections for further lumened instruments
- With spray arm: Space for mesh trays on lower level
- H 332, W 528, D 526 mm

Mat. no. 09862380



A 151 lower basket/open front

- For various DIN mesh trays and various inserts
- Loading width 490 mm
Loading depth 498 mm
- Vertical clearances in combination with
 - A 101 H 275 ± 30 mm
 - A 102 H 230 ± 30 mm
 - A 103 H 305 mm
 - A 104 H 145 mm
 - A 105 H 210 mm
- H 88, W 529, D 522 mm

Mat. no. 09862410



E 142 insert 1/2

- DIN mesh tray
- 1 mm wire gauge
- Mesh size 5 mm
- 5 mm all-round frame
- 2 hinged handles
- Max. load 10 kg
- H 45/55, W 255, D 480 mm

Mat. no. 03830300



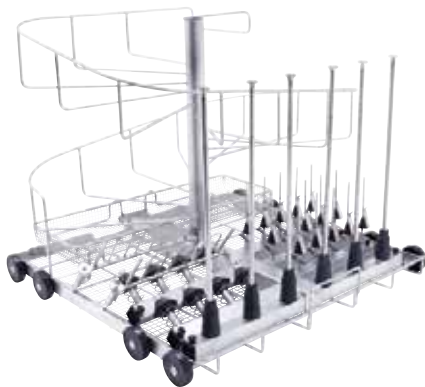
E 379 insert 1/2 mesh tray

- Stainless steel
- Wire mesh: 0.8 mm, mesh size: 1.7 mm
- 5 mm all-round frame
- 2 handles, for upper or lower basket
- H 80/110, W 180, D 445 mm

Mat. no. 03203500

Sample feature set: Anaesthetics

for PG 8592



A 201 load carrier

- For AN sets
- 8 nozzles with spring supports for breathing tubes with max. length of 1.5 m
- Spiral rack
- 15 injector nozzles for intubation material
- H 434, W 531, D 546 mm

Mat. no. 09862430

Scope

- 1 x E 430 mesh tray
- 1 x E 432 holder for 3 - 4 corrugated breathing tubes
- 2 x E 433 holders for 3 - 4 silicone breathing tubes
- 1 x E 434 holder for 3 - 4 paediatric breathing tubes
- 6 x E 466 injector nozzles for breathing bags, 8 x 333 mm
- 1 x E 431 injector nozzle for breathing bags, 8 x 193 mm
- 15 x E 496 injector nozzles, 4 x 120 mm

Sample ophthalmology feature set and optional components

for PG 8592



A 207 load carrier

- Efficient reprocessing of ophthalmic instruments: Fast loading and high throughput
- Upper level: Up to 8 trays for lumened instruments attached to LuerLock connectors
- Lower level: 8 trays (4 on each level), horizontal, for further ophthalmic instruments
- A 800 reusable tubular filter and A 804 cleaning brush included
- Clearances from bottom:
Level 1: H 95, W 494, D 500 mm
Level 2: H 60, W 508, D 455 mm
- H 438, W 530, D 542 mm

Mat. no. 10632400

8 x A 314 ophthalmology tray

- For ophthalmic sets
- Includes 1 irrigation rail for the connection of common ophthalmic instruments
- Particularly suitable for A 207 load carrier
- H 47, W 151, D 225 mm

Mat. no. 10979670

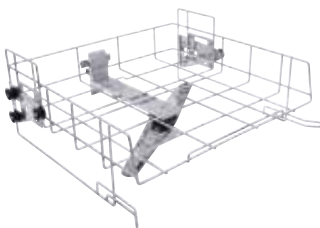
8 x E 197 insert 1/6 mesh tray

- 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. 07984090

Sample feature set: OR shoes

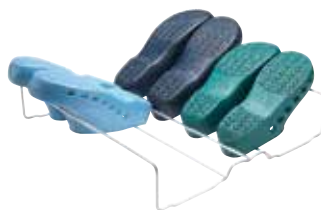
for PG 8582



A 101 upper basket/open front

- Open front
- For various inserts
- Height-adjustable
- Vertical clearance 160 +/- 30 mm, Width 475, Depth 443 mm
- Built-in spray arm
- H 206, W 528, D 527 mm

Mat. no. 09862340



A 308 insert

- For up to 34 theatre shoe insoles
- For use in open-fronted upper or lower baskets
- H 71, W 475, D 445 mm

Mat. no. 09862600



A 151 lower basket/open front

- For various DIN mesh trays and various inserts
- Loading width 490 mm
Loading depth 498 mm
- Vertical clearances in combination with
 - A 101 H 275 ± 30 mm
 - A 102 H 230 ± 30 mm
 - A 103 H 305 mm
 - A 104 H 145 mm
 - A 105/1 H 210 mm
- H 88, W 529, D 522 mm

Mat. no. 09862410



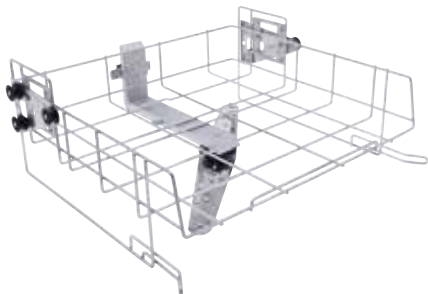
A 307 insert

- For up to 20 theatre shoes (265 mm long)
- For use in open-fronted lower basket
- Reprocessing of theatre shoes, max. size 48
- H 279, W 475, D 380 mm

Mat. no. 09862590

Sample feature set: Gynaecology

for PG 8582, PG 8592



A 102 upper basket/open front

- Open front
- For various inserts
- Vertical clearance 205 +/- 30 mm, width 475, depth 443 mm
- Built-in spray arm
- H 206, W 528, D 527 mm

Mat. no. 09862360



7 x E 416 1/4 insert

- For 6 one or two-piece speculae
- 7 holders, spacing 40 mm
- For upper and lower baskets (upper basket only with single-piece specula)
- H 157, W 178, D 279 mm

Mat. no. 03888650



A 151 lower basket/open front

- For various DIN mesh trays and inserts
- Loading width 490 mm
Loading depth 498 mm
- Vertical clearances in combination with
 - A 101 H 275 ± 30 mm
 - A 102 H 230 ± 30 mm
 - A 103 H 305 mm
 - A 104 H 145 mm
 - A 105/1 H 210 mm
- H 88, W 529, D 522 mm

Mat. no. 09862410



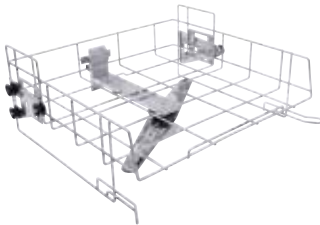
E 379 insert 1/2 mesh tray

- Stainless steel
- Wire mesh: 0.8 mm, mesh size: 1.7 mm
- 5 mm all-round frame
- 2 handles, for upper or lower basket
- H 80/110, W 180, D 445 mm

Mat. no. 03203500

Upper and lower baskets

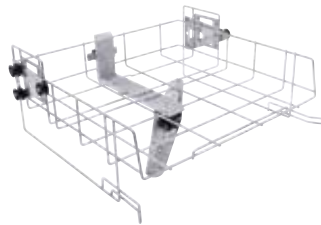
PG 8582, PG 8592



A 101 upper basket/open front

- Open front
- For various inserts
- Height-adjustable
- Loading HWD 160 +/- 30 mm, 475 mm, 443 mm
- Built-in spray arm
- H 206, W 528, D 527 mm

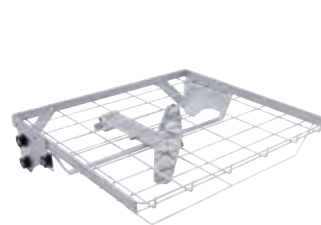
Mat. no. 09862340



A 102 upper basket/open front

- Open front
- For various inserts
- Height-adjustable
- Loading HWD 205 +/- 30 mm, 475 mm, 443 mm
- Built-in spray arm
- H 206, W 528, D 527 mm

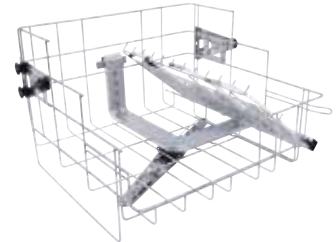
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A 103 upper basket/open front

- Open front
- For various inserts
- Loading HWD 95 mm, 505 mm, 472 mm
- Built-in spray arm
- Particularly suitable for the reprocessing of DIN mesh trays and other shallow loads in combination with A 202 load carrier.
- H 133, W 528, D 528 mm

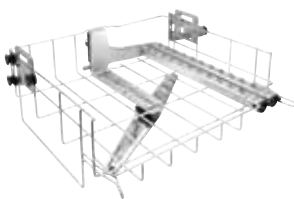
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A 104 upper basket/injector unit

- For surgeries with only few lumened instruments
- For instruments from minimally invasive surgery, arthroscopy, urology
- Left-hand side free for inserts (max. clearance H 310, W 240, D 455 mm)
- Right-hand side for 11 lumened instruments (max. length of connected instruments: 430 mm)
- Four additional LuerLock connections for further lumened instruments
- With spray arm: Space for mesh trays on lower level
- H 332, W 528, D 526 mm
- Also included:
 - 2 x E 448 connectors
 - 2 x E 442 sleeves
 - 1 x E 452 nozzle
 - 1 x E 453 nozzle
 - 1 x E 454 nozzle

Mat. no. 09862380



A 105/1 upper basket/injector unit

- Left-hand side free for inserts
- 22 injectors on right-hand side, e.g. for A 817 irrigation sleeve (not supplied)
- Height-adjustable
- A 800 central filter for use in either injector rail (not supplied)
- Built-in spray arm
- A 838 set of spanners included
- Loading dimensions H 225 +/- 30, W 360, D 445 (available depth of 460 mm on the left-hand side over a width of 215 mm)
- H 202, W 528, D 526 mm

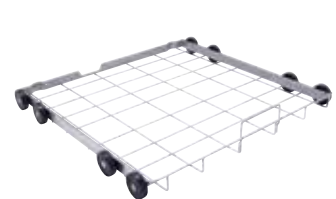
Mat. no. 10777260



A 837 set of nozzles for ENT

- For use in A 105/1 upper basket and the reprocessing of lumened instruments
- Includes 22 x A 817 irrigation sleeves

Mat. no. 11054690



A 151 lower basket/open front

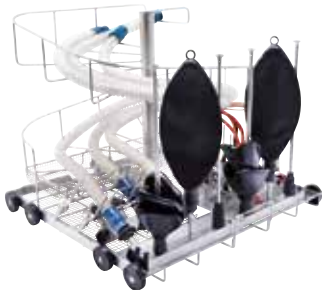
- For various DIN mesh trays and various inserts
- Loading width 490 mm, Loading depth 498 mm
- Vertical clearances in combination with
 - A 101 H 275 ± 30 mm
 - A 102 H 230 ± 30 mm
 - A 103 H 305 mm
 - A 104 H 145 mm
 - A 105/1 or A 105/1 H 210 mm
- H 88, W 529, D 522 mm

Mat. no. 09862410



Load carriers

PG 8582, PG 8592



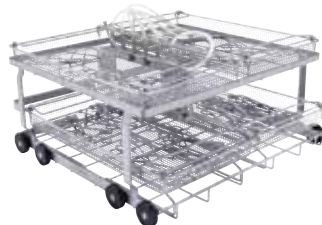
A 201 load carrier for anaesthetic material

- For AN sets
- 8 nozzles with spring supports for breathing tubes with max. length of 1.5 m
- Spiral rack
- 15 injector nozzles for intubation material
- H 434, W 529, D 546 mm

Supplied as standard with:

- 1 x E 430 mesh tray
- 1 x E 432 holder for 3 - 4 corrugated breathing tubes
- 2 x E 433 holders for 3 - 4 silicone breathing tubes
- 1 x E 434 holder for 3 - 4 paediatric breathing tubes
- 6 x E 466 injector nozzles for breathing bags, 8 x 333 mm
- 1 x E 431 injector nozzle for breathing bags, 8 x 193 mm
- 15 x E 496 injector nozzles, 4 x 120 mm

Mat. no. 09862430



A 202 load carrier

- For 4 DIN mesh trays on 2 levels
- Built-in spray arm
- Clearances from bottom:
 - Level 1: With connection frame H 95, W 516, D 498 mm, Without connection frame H 135, W 490, D 498 mm
 - Level 2: H 135, W 516, D 498 mm
- Connection frame for DIN mesh trays (can be removed to accommodate bulky items, e.g. kidney dishes)
- 6 additional LuerLock connections for lumened instruments, fitted ex works with E 362 blank stoppers
- H 223, W 529, D 542 mm

Mat. no. 09862440



A 208 load carrier

- Increased capacity: Simultaneous reprocessing of up to 8 DIN mesh trays on 4 levels
- 4 additional LuerLock connections for lumened instruments
- Removable rack level increases vertical clearance on second level from bottom, e.g. for kidney dishes
- Loading dimensions from bottom:
 - Level 1: H 60, W 516, D 490 mm (with frame)
 - Level 1: H 100, W 490, D 490 mm (without frame)
 - Level 2: H 55, W 510, D 500 mm
 - Level 2: H 200, W 510, D 470 mm (w/o Level 3)
 - Level 3: H 130, W 404, D 470 mm
 - Level 4: H 75, W 510, D 500 mm
- H 455, W 530, D 542 mm

Mat. no. 10616030



A 203 load carrier for minimally invasive surgery

- For minimally invasive surgical instruments
- Loading on 2 levels
- Applications
 - E 451 mesh tray for small items
 - E 457 insert for separable MIS instruments
 - E 460 insert for rigid fibre optics
 - E 473/2 mesh tray for small items
 - E 444 spiral rack for lightguides and irrigation hoses
- H 520, W 529, D 542 mm

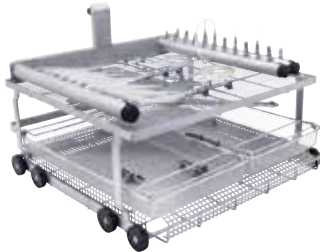
Supplied as standard with:

- 3 x E 336 irrigation sleeves, 121 mm
- 2 x E 362 blind stopper
- 15 x E 442 injector sleeves, 121 mm, for MIS instruments, Ø 4-8 mm
- 5 x E 443 injector sleeves, 121 mm, for MIS instruments, Ø 8-12 mm
- 1 x E 445, 12 caps, for irrigation sleeves, 6 mm
- 1 x E 446, 12 caps, for irrigation sleeves, 10 mm
- 3 x E 447 adapters, female, for LuerLock, male
- 6 x E 448 silicone hoses, 300 mm, 5 x 1.5 mm with male LuerLock adapters
- 5 x E 449 adapters, female, for LuerLock, male
- 1 x E 451 mesh insert 1/6, with lid
- 3 x E 452 injector nozzles, 2.5 x 60 mm
- 8 x E 453 injector nozzles, 4.0 x 110 mm, with spring support
- 6 x E 454 injector nozzles for trocar sleeves, 10-15 mm
- 4 x E 456 spring supports for MIS instruments, e.g. scissors, forceps, etc.
- 3 x E 464 sleeve for E 454 injector nozzles

Mat. no. 09862450

Load carriers and modules

PG 8582, PG 8592



A 204 load carrier for ophthalmological instruments

- For ophthalmological/micro-instruments
- Built-in spray arm
- Loading on 2 levels:
Level 1: For inserts (e.g. E 441/1 or E 142)
Level 2, Right-hand side:
22 connections for lumened instruments
(10 LuerLock adapters, male, 10 LuerLock adapters, female)
Level 2, Left-hand side:
11 LuerLock adapters, male, with hose, horizontal arrangement
All three injector rails take A 800 central filters
- H 365, W 529, D 542 mm

Supplied as standard with:

- 1 bag E 476 (50 off)
- 1 bag E 477 (20 off)
- 6 x E 790 LuerLock adapters, female/female
- 5 x E 791 LuerLock adapters, female/male
- 11 silicone tubes with male LuerLock adapters for female LuerLock adapters, 160 mm long

Mat. no. 09862460



A 207 load carrier for 8 ophthalmology trays

- Upper level: Up to 8 trays for lumened instruments attached to LuerLock connectors
- Lower level: 8 trays (4 on each level), horizontal, for further ophthalmic instruments

Loading height from below:

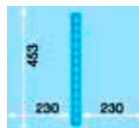
- Level 1:
H 95,
W 494,
D 500



- Level 2: H 60, W 508, D 455 (10 mm less in centre of water circuit)



- Level 3: H 220, W 225 (holder on right for LuerLock connections not in use), 235 (left), D 455 (445 mm in centre of water circuit)



Exterior dimensions

- H 438, W 530, D 542

Scope of delivery:

- 8 x silicone hoses with Luer Lock adapters, male for LuerLock female, 160 mm long
- 2 x A 311, insert with 4 compartments for mesh bowls or trays, spacing 50 mm, Height 142 mm, Width 197 mm, Depth 436 mm
- 3 x E 362 blanking screws
- A 800, reusable tubular filter with ≥ 0.07 mm filtration, Length 405 mm, Diameter 22.5 mm
- A 804 cleaning brush

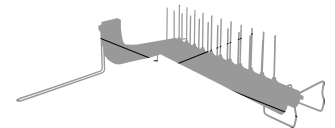
Mat. no. 10632400



A 314 ophthalmology tray

- For ophthalmic sets
- Includes 1 irrigation rail for the connection of common ophthalmic instruments
- Particularly suitable for A 207 load carrier
- H 47, W 151, D 225 mm

Mat. no. 10979670



A 315 module/injector

- 22 injectors on right-hand side, e.g. for A 817 irrigation sleeve (not supplied)
- For use in A 151 lower basket, upper basket can be used at same time
- A 800 tubular filter for use in either injector rail (not provided)
- H 145 mm, W 492 mm, D 542 mm

Mat. no. 11055980

Filters, inserts and conversion kits

PG 8582, PG 8592



A 307 insert

- For up to 20 theatre shoes
- 265 mm spikes
- For use in open-fronted lower basket A 151
- Reprocessing of theatre shoes (max. Size CA15|EU48), with simultaneous use of A 101 (max. Size CA9|EU42) possible
- H 279, W 475, D 380 mm

Mat. no. 09862590



A 308 insert

- For up to 34 theatre shoe insoles
- For use in open-fronted upper or lower baskets
- H 71, W 475, D 445 mm

Mat. no. 09862600



A 310 insert

- For loading 8 theatre shoes, Max. size CA8|EU41
- Can be used in upper baskets A 101 and A 102
- H 90, W 405, D 435 mm

Mat. no. 10632610



A 800 tubular filter

- Filter made from multi-ply stainless-steel mesh for load carriers
- Mesh size 63 µm
- Can be cleaned with A 804 cleaning brush
- L 405 mm, Ø 22.5 mm

Mat. no. 09960680



A 804 cleaning brush

- A 800 central filter
- Spiral brush head
- Polyamide bristles
- L 500 mm, brush head: L 100 mm, Ø 20 mm

Mat. no. 09960720



UBS 1 conversion kit

- For use of selected load carriers from G 78 series on PG 85 series
- For older load carriers with drying connection

Mat. no. 10131090



UBS 3 conversion kit

- For use of selected upper baskets from G 78 series on PG 85 series
- For older upper baskets without drying connection

Mat. no. 10131110

Water treatment systems

for PG 8582, PG 8592



PG 8595 Aqua Purifier

- Housing unit for 2 VE P 2000/ LP 2800 water demineralization cartridges
- Compatible with PG 8582, PG 8592
- Generally recommended quality for final rinse < 15 µS/cm
- H 835 (820), W 300, D 600 mm
- Freestanding unit, can be built-under
- Casing in stainless steel (AE)
- Condition as supplied: Empty housing unit. Cartridges, conductivity meter and fittings must be ordered separately.

Mat. no. 10087320



CM/1 Conductivity meter

- Conductivity meter for VE P 2000 and LP 2800 water demineralization cartridges
- Single-line display
- 10-point measurement in 0 - 199.9 µS/cm range: 1/3/5/10/15/20/50/75/100/199.9 µS/cm
- Optical and acoustic cartridge replacement indicator
- Optical and acoustic fault indicator
- Wall bracket
- Connection to external LED (optional)
- Manual calibration on site
- H 110, W 125, D 52 mm
- Input: 110 - 240V, 50/60 Hz, 85 mA; Output: 9V, 400 mA, 3.6 VA
- Includes: Sensor cell with LED indicator and connection lead (length 1.0 m), 1 pressure hose 3/4" (length 1.94 m), 1 hose 3/4" (length 1.5 m)

Mat. no. 10889920



LP 2800 demineralisation cartridge, empty

- Pressure-proof stainless-steel cartridge
- H 570, Ø 230 mm
- Complete with vent and pressure relief valve
- 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

VE P 2000 demineralization cartridge, charged

- Pressure-proof stainless-steel cartridge
- H 410, Ø 230 mm
- Complete with vent and pressure relief valve
- Contains 12.5 l of single-use resin

Mat. no. 09773410

Capacity in litres between cartridge reactivation cycles

°d German hardness	5	10	15	20	25	30
µS/cm	150	300	450	600	750	900
LP 2800 Charged	5,600	2,800	1,850	1,400	1,120	930
VE P 2000	4,000	2,000	1,330	1,000	800	660

1°d corresponds to approx. 30 µS/cm.

The information provided in this chart is intended as a guide only.

Dispensing accessories

for PG 8582, PG 8592



PG 8596 dispenser unit

Housing unit for process chemicals and dispenser modules

- H 835 (820), W 300, D 600 mm
- Compatible with PG 8582, PG 8592
- Freestanding unit, can be built-under
- Unit with removable door
- Outer panelling in stainless steel
- Interior dimensions: H 690 / 380 / 285 mm (top drawer removed / lower / upper drawer), W 250 mm, D 555/425 mm (without / with drip tray and dispenser 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 (L 245 x W 145 x H 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

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

PG 8596 AE Mat. no. 10087340



DOS K 85/1 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 for 5 l canister, incl. level monitoring
- Length of connection cable: 3.00 m
- Length of suction hose: 1.80 m

Art. no. 69.7470.51 USA



DOS K 85 Dispenser module

- As per DOS K 85/1
- With long siphon for 5 and 10 l canister

Art. no. 69.7470.50USA

Plinths

for PG 8582, PG 8592



UG 30-60/60-85 plinth

- For use on PG 8582 and PG 8592
- Stainless-steel plinth, bolted to machine
- H 300, W 600, D 600 mm

Mat. no. 10087350



UG 30-90/60-85 plinth

- For use on PG 8582 and PG 8592
- In combination with PG 8595 or PG 8596 (installation on either side of PG 8595/PG 8596 possible)
- Stainless-steel plinth, bolted to machine
- H 300, W 900, D 600 mm

Mat. no. 10087360



UG 70-60/80 plinth with door

- For use on PG 8582/PG 8592
- Box plinth, bolted to machine, lockable door
- Stainless steel
- H 700, W 600, D 550 mm

Possible contents

- 2 dispenser modules (DOS K 85 Flex)
- 2 canisters for liquid products, max. 10 l
- 2 demineralization cartridges (LP 2800)
- 1 conductivity module CM/1

Mat. no. 10031420



UBS 1 conversion kit

- For use of selected load carriers from G 78 series on PG 85 series
- For older load carriers with drying connection

Mat. no. 10131090



UBS 3 conversion kit

- For use of selected upper baskets from G 78 series on PG 85 series
- For older upper baskets without drying connection

Mat. no. 10131110



BBF-80

- Floor anchors for all plinths with feet, e.g. UG 70-60/80

Mat. no. 09715690

Inserts for upper and lower baskets

for PG 8582, PG 8592



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

Mat. no. 05771030



E 800 insert

- For 3 mesh trays/kidney dishes
- 3 holders, H 165 mm, spacing approx. 68 mm
- For upper or lower basket
- H 165, W 140, D 290 mm

Mat. no. 04637720



E 492 insert 1/2

- For 9 kidney dishes
- 9 holders, H 86 mm, spacing 49 mm
- For lower basket
- H 120, W 256, D 474 mm

Mat. no. 05771140



E 430/1 insert 1/3 mesh tray

- Wire mesh, mesh size 5 mm
- H 40, W 150, D 445 mm

Mat. no. 06643200



E 468 insert 1/4 mesh tray

- With lid and compartments
- For various utensils
- Made from welded cross-wires/ stainless steel with lid and compartments
- Mesh size 5 x 5 x 1 mm
- H 70/76, W 250, D 170 mm

Mat. no. 05043640



E 146 insert 1/6 (illustrated)

- Mesh size on base 3 mm
- Mesh size on sides 1.7 mm
- Mesh size on lid 8 mm
- 2 hinged handles
- For upper or lower basket
- H 55, W 150, D 225 mm

Mat. no. 03346680



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. 07984090



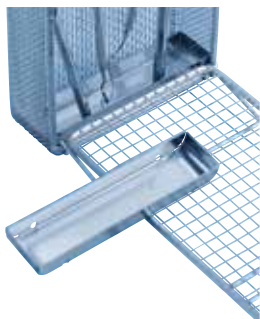
E 363 insert 1/6

- Mesh size 1 mm, with lid
- For upper or lower basket
- H 55, W 150, D 225 mm

Mat. no. 03149790

Inserts for upper and lower baskets

for PG 8582, PG 8592



E 328 inlay rack

- For instruments in upright position
- For E 146/E 363

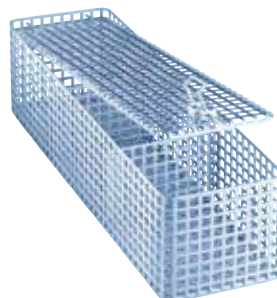
Mat. no. 02795940



E 373 insert 1/6

- For ENT instruments, e.g. ear funnels
- Wire mesh, mesh size: Base 3 mm, sides 1.7 mm, lid 3 mm
- 28 upright supports
- 2 hinged handles
- For upper or lower basket
- H 55, W 150, D 225 mm

Mat. no. 03809790



UTS utensil box

- For sundry small items, with lid
- 3 compartments, compartment size 115 x 100 mm
- H 93, W 102, D 350 mm

Mat. no. 03810260



A 810 cover net 1/2

- Stainless-steel frame made from special silicone material (particularly flexible, resilient and durable)
- Mesh is replaceable; stainless-steel frame reusable
- Also suitable for ophthalmology
- W 215, D 445 mm

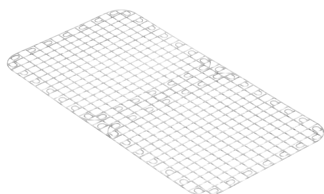
Mat. no. 10283650



A 810/1 cover net 1/4

- Stainless-steel frame made from special silicone material (particularly flexible, resilient and durable)
- Mesh is replaceable; stainless-steel frame reusable
- Also suitable for ophthalmology
- W 215, D 206 mm

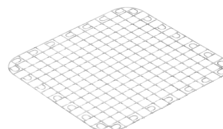
Mat. no. 10283670



A 811 replacement net 1/2

- For use with A 810
- W 215, D 445 mm

Mat. no. 10283680



A 811/1 replacement net 1/4

- For use with A 810/1
- W 215, D 206 mm

Mat. no. 10283690



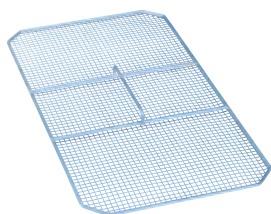
A 16 Lid 1/4

- For E 142 insert
- 230 x 215 mm
- Stainless steel

Mat. no. 03981990

Inserts for upper and lower baskets

for PG 8582, PG 8592



A 18 lid 1/2

- For E 484 insert
- For insert E 142 as 1/1 cover
- 1 mm wire mesh
- 5 mm mesh gauge
- 4 mm all-round frame
- H 20, W 430, D 230 mm

Mat. no. 05631080



E 417/1 insert 2/5

- For approx. 30 ear and nose speculae
- 280 compartments, approx. 13 x 13 mm
- Mesh size on base: 1.7 mm
- For upper or lower basket
- H 63, W 173, D 445 mm

Mat. no. 9033260



E 803 insert 2/5

- For ear and nose speculae
- 160 compartments, approx. 13 x 13 mm
- Mesh size on base: 1.7 mm
- For upper or lower basket
- H 63, W 165, D 317 mm

Mat. no. 04637750



E 374 insert 2/5

- For ENT instruments such as inhalation tubes, etc.
- 24 compartments, approx. 45 x 45 mm
- 27 compartments, approx. 12 x 12 mm
- Mesh size on base: 1.7 mm
- For upper or lower basket
- H 63, W 173, D 445 mm

Mat. no. 03809800



E 416 insert 1/4

- For 6 one or two-piece speculae
- 7 holders, spacing 40 mm
- For upper and lower baskets (upper basket only with single-piece specula)
- H 157, W 178, D 279 mm

Mat. no. 03888650



E 130 insert 1/2

- For 10 trays
- 11 holders, H 170 mm, spacing 35 mm
- For lower basket
- H 180, W 180, D 445 mm

Mat. no. 02648950



E 806/1 insert

- For 8 half-trays or shallow trays
- 9 holders (8 compartments)
- Max. tray size 290 x 30 mm
- H 114, W 305, D 348 mm

Mat. no. 09013220



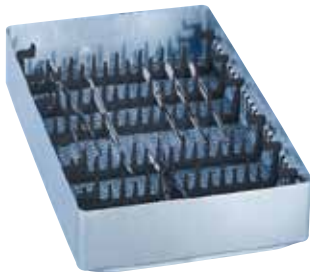
E 339/1 insert 3/5

- For 13 half-trays or shallow trays
- 14 holders (13 compartments)
- Max. tray size 290 x 20 mm
- H 115, W 305, D 498 mm

Mat. no. 09233840

Inserts for upper and lower baskets

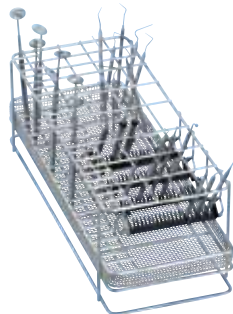
for PG 8582, PG 8592



E 441/1 insert 1/4

- For minimally invasive instruments
- Mesh size on base 1.7 mm
- Solid sides, stackable
- Internal divisions with 6 adjustable slats provide the ideal storage for instruments
- For upper or lower basket
- H 60, W 183, D 284 mm

Mat. no. 05988240



E 337/1 insert

- For micro-instruments, upright
- 12 compartments, approx. 22 x 28 mm
- 4 compartments, approx. 25 x 28 mm
- 4 plastic receptacles
- 48 compartments, approx. 13 x 14 mm
- H 113, W 173, D 445 mm

Mat. no. 07984130



E 802/1 insert

- For micro-instruments, upright
- 8 compartments, approx. 30 x 28 mm
- 8 compartments, approx. 16 x 28 mm
- 3 plastic receptacles
- 15 compartments, approx. 16 x 20 mm
- H 113, W 163, D 295 mm

Mat. no. 07984170



E 142 insert 1/2

- DIN mesh tray
- 1 mm wire gauge
- Mesh size 5 mm
- 5 mm all-round frame
- 2 hinged handles
- Max. load 10 kg
- H 45/55, W 255, D 480 mm

Mat. no. 03830300



E 143 insert 1/4

- Mesh tray
- 1 mm wire gauge
- Mesh size 5 mm
- 5 mm all-round frame
- 2 hinged handles
- Max. load 5 kg
- For upper or lower basket
- H 45/55, W 255, D 230 mm

Mat. no. 03830310



E 378 insert 1/1

- For various utensils
- 0.8 mm wire gauge
- Mesh size 1.7 mm
- 5 mm all-round frame
- 2 handles
- For lower basket
- H 80/110, W 460, D 460 mm

Mat. no. 03203530



E 473/2 mesh insert with lid

- Mesh basket with lid, for small parts
- Hooks in place
- Easy-to-open lid lock
- H 88, W 66, D 66 mm

Mat. no. 10623720



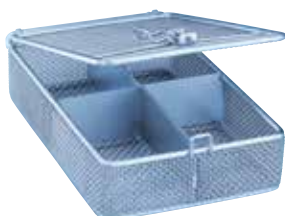
E 379 insert 1/2

- For various utensils
- 0.8 mm wire gauge
- Mesh size 1.7 mm
- 5 mm all-round frame
- 2 handles
- For upper or lower basket
- H 80/110, W 180, D 445 mm

Mat. no. 03203500

Inserts for upper and lower baskets

for PG 8582, PG 8592



E 451 insert 1/6

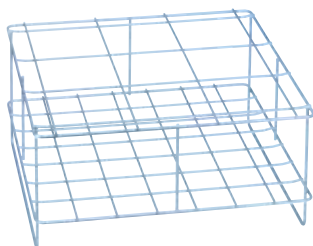
- Mesh tray with lid for sundry small items
- Wire gauge: 1 mm base 0.8 mm sides 1 mm lid Mesh gauge: 3 mm base 1.7 mm sides 8 mm lid
- Internal divisions removable
- H 55, W 150, D 225 mm

Mat. no. 04203910

Inserts for infusion bottles

Description

- Baskets and inserts only suitable for the simple cleaning of infusion bottles
- Neither direct injection nor double spray system according to GMP guidelines.



E 125 insert 1/1* (illustrated)

- For 9 bottles, 2,000 ml
- 9 compartments, compartment sizes (bottle) 125 x 125 mm
- Compartment size (neck) 55 x 55 mm
- H 224, W 460, D 460 mm

Mat. no. 03808510

E 124 insert 1/1*

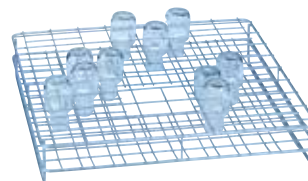
- For 16 bottles, 1,000 ml
- 16 compartments, compartment sizes (bottle) 100 x 100 mm
- Compartment size (neck) 48 x 48 mm
- H 148, W 460, D 460 mm

Mat. no. 03808500

E 129 insert 1/1

- For 20 bottles, 500 ml
- 20 compartments, compartment sizes (bottle) 84 x 84 mm
- Compartment size (neck) 46 x 46 mm
- H 113, W 445, D 445 mm

Mat. no. 03808550



E 128 insert 1/1

- For 24 bottles, 250 ml
- 24 compartments, compartment sizes (bottle) 71 x 71 mm
- Compartment size (neck) 46 x 46 mm
- H 103, W 445, D 445 mm

Mat. no. 03808540

E 127 insert 1/1

- For 44 bottles, 100 ml
- 44 compartments, compartment sizes (bottle) 57 x 57 mm
- Compartment size (neck) 46 x 46 mm
- H 102, W 445, D 445 mm

Mat. no. 03808530

E 126 insert 1/1 (illustrated)

- For 48 bottles, 50 ml
- 48 compartments, compartment sizes (bottle) 45 x 45 mm
- Compartment size (neck) 28 x 28 mm
- H 83, W 445, D 445 mm

Mat. no. 03808520

E 484 insert for upper and lower baskets

for PG 8582, PG 8592

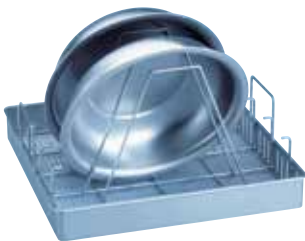


- E 484 insert 1/1**
- For various utensils
 - Wire mesh: 1.4 mm, mesh size: 9 x 9 mm
 - For holders:
 - 4 x E 485 for 9 kidney dishes or
 - 4 x E 486 for 4 bowls or
 - 4 x E 487 for 16 theatre shoes or
 - 3 x E 488 for 9 breathing masks or
 - 11 x E 489 universal holderse.g. for insoles
 - H 65 (150), W 470, D 480 mm

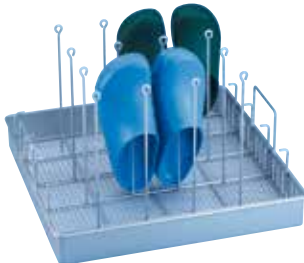
Mat. no. 05109190



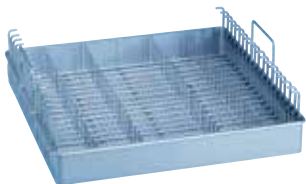
- Sample features:**
- E 484 with 4 x E 485 holders
 - Can be fitted with 4 holders E 485 for 9 kidney dishes



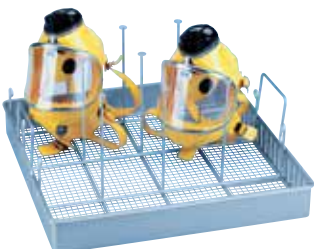
- Sample features:**
- E 484 with 4 x E 486 holders
 - Can be fitted with 4 holders E 486 for 4 bowls



- Sample features:**
- E 484 with 4 x E 487 long holders
 - Fitted with 4 x E 487 holders, each for 4 theatre shoes, height 280 mm
 - Dimensions E 487 H 280, W 464, D 10 mm



- Sample features:**
- E 484 with 11 x E 489 universal holders
 - Fitted with 11 x E 489 universal holders, e.g. for insoles, height 60 mm
 - Dimensions E 489 H 60, W 464, D 10 mm



- Sample features:**
- E 484 with 3 x E 488 holders
 - Fitted with 3 x E 488 holders, each for 9 breathing masks

Insert	Mat. no.
E 484	05109190
E 485 holder for 3 kidney dishes	05109210
E 486 holder for bowls	05109230
E 487 holder for 4 theatre shoes	05109250
E 489 universal holder, e.g. for insoles	05337120
E 488 holder for 3 breathing masks	05109260

Inserts MIS accessories

for PG 8582, PG 8592



E 451 insert 1/6

- Mesh tray with lid for sundry small items
- Wire gauge: 1 mm base 0.8 mm sides 1 mm lid Mesh gauge: 3 mm base 1.7 mm sides 3 mm lid
- Internal divisions removable
- H 55, W 150, D 225 mm

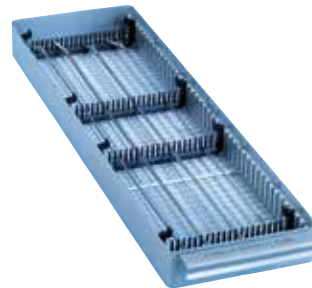
Mat. no. 04203910



E 907/1 insert/mesh tray

- Mesh tray with lid for sundry small items
- Mesh size 3 x 1 mm
- Hooks to slot into E 905
- H 46, W 129, D 170 mm

Mat. no. 06943820



E 908/1 insert

- For separable MIS instruments/inner shafts
- Mesh width 8 x 1 mm, solid sides
- Individual arrangements with 4 holders for securely positioning 8–12 shafts from disassembled MIS instruments
- Hooks to slot into E 906
- H 36, W 130, D 460 mm

Mat. no. 05704010



E 142 insert 1/2

- DIN mesh tray
- 1 mm wire gauge
- Mesh size 5 mm
- 5 mm all-round frame
- 2 hinged handles
- Max. load 10 kg
- H 45/55, W 255, D 480 mm

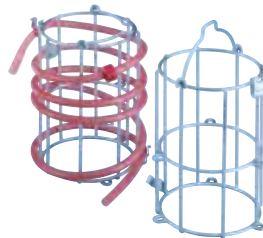
Mat. no. 03830300



E 473/2 mesh insert with lid

- Mesh basket with lid, for small parts
- Hooks in place
- Easy-to-open lid lock
- H 88, W 66, D 66 mm

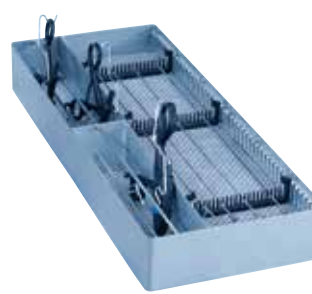
Mat. no. 10623720



E 444 insert/spiral rack

- For lightguides and suction hoses
- Fibre optics and tubes wound spirally around central rack
- H 168 mm, with folding clip, 214 mm
- Ø 140 mm

Mat. no. 04637700



E 457 insert 1/2

- For separable MIS instruments (e.g. 12 handles and inserts)
- Mesh base, 3 mm mesh size, solid sides
- Welded holders for 8–12 handles, variable arrangement, with 3 holders for storing and securing 8–12 shafts from disassembled MIS instruments
- H 62, W 192, D 490 mm

Mat. no. 04618030



E 460 insert 1/4

- For rigid fibre optics of varying lengths
- Mesh size, base 8 x 1 mm, Sides/lid 7 x 7 x 3 mm
- With 3 holders for 2 rigid fibre optics of varying lengths
- H 53, W 100, D 430 mm

Mat. no. 4861390

Components

Micro-instruments

for PG 8582, PG 8592



FP ED

- Stainless-steel filter insert for E 478/1
- Only required when using E 478/1 in PG 8536
- Ø 30 mm

Mat. no. 07290770



E 478/1 adapter

- For 4 narrow-lumened cannulae (Sautter cannulae)

Mat. no. 07292920



E 441/1 insert 1/4

- For minimally invasive instruments
- Mesh size on base 1.7 mm
- Solid sides, stackable
- Internal divisions with 6 adjustable supports provide the ideal storage for instruments.
- For upper or lower basket
- H 60, W 183, D 284 mm

Mat. no. 05988240



E 142 insert 1/2

- DIN mesh tray
- 1 mm wire gauge
- Mesh size 5 mm
- 5 mm all-round frame
- 2 hinged handles
- Max. load 10 kg
- H 45/55, W 255, D 480 mm

Mat. no. 03830300



E 476 adapters

- For use in mesh trays with 5 mm mesh (e.g. E 142)
- 50 per bag
- For instruments with a diameter of 4 to 8 mm

Mat. no. 05692400



E 479 adapters

- For use in mesh trays with 5 mm mesh (e.g. E 142)
- 50 per bag
- For instruments with a diameter of up to 4 mm

Mat. no. 06553750



E 477 stoppers

- For use in mesh trays with 5 mm mesh (e.g. E 142)
- 20 per bag

Mat. no. 05692390

Cross-product components

for PG 8582, PG 8592

(Illustrations, from left to right)



E 469 irrigation sleeve

- For MIS instruments/urology
- Length 300 mm, Ø 11 mm
- Cap, opening Ø 6 mm (Mat. no. 4174960)
- Clamp (Mat. no. 4174850)

Mat. no. 05563950

E 467 irrigation sleeve

- For MIS instruments/forceps
- Length 205 mm, Ø 11 mm

Mat. no. 05039640

E 336 injector sleeve MIBO

- Length 121 mm, Ø 11 mm

Mat. no. 03809390

E 442 irrigation sleeve

- For MIS instruments, 4-8 mm, screw thread
- Length 121 mm, Ø 11 mm
- Cap, opening Ø 6 mm (Mat. no. 4174960)
- Clamp (Mat. no. 4174850)

Mat. no. 04203830

E 443 irrigation sleeve

- For MIS instruments, 8-8.5 mm
- Length 121 mm, Ø 11 mm
- Cap, 10 mm (Mat. no. 4174970)
- Clamp (Mat. no. 4174850)

Mat. no. 04203840



E 447 adapter, female

- For LuerLock, male, screw thread for E 450/1, O 176, O 183

Mat. no. 04203870

E 517 adapter, male, with centre pin

- For LuerLock, female, screw thread for E 450/1, O 176, O 183

Mat. no. 07790040

E 449 adapter, male, without centre pin

- For LuerLock, female, screw thread for E 450/1, O 176, O 183

Mat. no. 04203890

E 452 injector nozzle

- Length 60 mm, 2.5 mm, screw thread, for mobile injector unit

Mat. no. 04203920

E 453 injector nozzle

- Clip bracket
- Length 110 mm, 4 mm, screw thread, for mobile injector unit

Mat. no. 04203930

E 448 silicone hose

- LuerLock adapter, male
- Length 300 mm, Ø 5 mm
- Nozzle, 8 x 1 mm thread

Mat. no. 04203880



E 464 adapter

- For injector nozzle E 454, 13 x 65 mm
- Height-adjustment clip (Mat. no. 4 692 440)

Mat. no. 04837600

E 454 injector nozzle

- For trocar sleeves 10-15 mm, 8 x 150 mm
- Height-adjustment clip (Mat. no. 4 692 430)

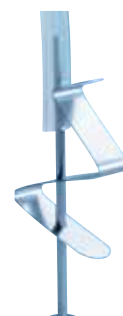
Mat. no. 04203940



E 454/1 injector nozzle

- For longer trocar sleeves, in particular from field of proctology, Ø 8 x 300 mm

Mat. no. 10342490



E 471 spring support

- For injector nozzle 2.5 mm, for E 452

Mat. no. 04451930

E 472 spring support

- For injector nozzle 4.0 mm, for E 351, E 453

Mat. no. 04451960



A 854 angled adapter

- For connecting load items in load carriers with height restrictions.
- Suitable for example for hoses with LuerLock connectors or nozzles
- Thread 8 x 1 mm

Mat. no. 11035420

E 518 silicone hose (not illustrated)

- Length 300 mm, Ø 5 mm
- Thread 8 x 1 mm
- End of the hose
- 4 off

Mat. no. 11015260

E 855 silicone hose (not illustrated)

- For LuerLock, female
- Length 160 mm, Ø 5 mm
- Free to rotate
- Thread 8 x 1 mm

Mat. no. 11035460

A 856 (not illustrated)

- For LuerLock, female
 - Length 300 mm, Ø 5 mm
 - Free to rotate
 - Thread 8 x 1 mm
- Mat. no. 11131010

Nozzles for various lumened instruments

for PG 8582, PG 8592



A 832 injector nozzle

- Length 60 mm, Ø 2.5 mm, screw thread
- With additional side holes

Mat. no. 10635440



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. 4692430)
- With additional side holes

Mat. no. 10635650



A 816 injector nozzle

- Length 90 mm, Ø 2.5 mm, screw thread
- With additional side holes

Mat. no. 10635660

(Illustrations, from left to right)



E 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



E 445 caps

- 12 caps for irrigation sleeves
- Opening Ø 6 mm

Mat. no. 04203850

E 446 caps

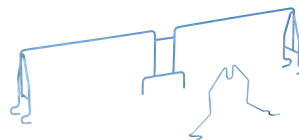
- 12 caps for irrigation sleeves
- Opening Ø 10 mm

Mat. no. 04203860

A 818 caps

- 12 caps for irrigation sleeves
- Opening Ø 2.5 mm

Mat. no. 10706620



E 456 spring support

- For MIS instruments

Mat. no. 04203960

E 475 holder bracket

- For MIS insert
- To secure irrigation sleeves

Mat. no. 05226040



E 499 adapter

- Adapter for suction and irrigation cannulae with various connectors and Verres cannulae
- Compatible with loading carriages with injector nozzles

Mat. no. 07759500

Reprocessing and transportation system for baby bottles

for PG 8582, PG 8592



Baby bottles are generally washed at ward level. Miele's G 8592 washer-disinfector with a height of 820 mm (excl. lid) is an interesting proposition as it can be installed as undercounter unit.

Miele has also developed a highly practical container system for transporting, handling, washing and disinfecting baby bottles. The containers are able to accommodate all standard bottle sizes. Two containers each can be used for reprocessing in the upper and lower baskets. 76 baby bottles can then be washed and disinfected per cycle. Teats and screw-on teat holders are each placed in appropriate inserts.

1. Used and empty baby bottles are placed in E 135 containers with their necks facing up.



2. The container is then sealed with a mesh lid. The container is then turned by 180° (bottle necks facing downwards) and placed in the disinfector.



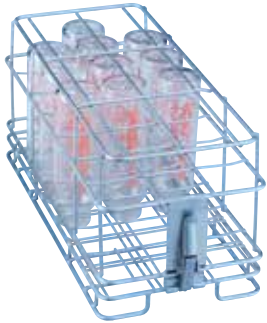
3. After washing and disinfection, the lid is removed and the bottles can be refilled whilst still in the container.



4. After filling, the bottles can be sealed and stored in containers.

Inserts and components for baby bottles

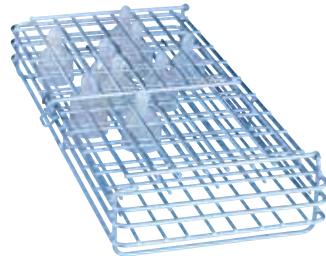
for PG 8582, PG 8592



E 135 insert 1/2 for containers

- Container for 19 baby bottles à 250 ml, Bottle size 56 x 56 mm, Neck 49 x 49 mm
- H 194, W 192, D 447 mm incl. lid
- For upper or lower basket

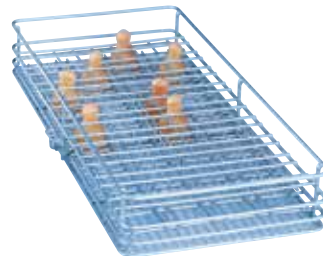
Mat. no. 03808630



E 364 insert 1/2

- Container for 36 wide-necked teats
- 36 compartments, 41 x 41 mm
- Hinged lid with catch
- H 77, W 215, D 445 mm

Mat. no. 03809640



E 458 insert 1/2

- Container for 36 screw-on teats
- 36 compartments, 29 x 29 mm
- Hinged lid with catch
- H 63, W 215, D 445 mm

Mat. no. 04235200



AK 12 insert 1/2 basket version

- For breast pumps
- For various utensils
- H 67/127, W 225, D 442 mm

(A 14 lid not included)

Mat. no. 03830510

E 135/1 insert 1/2

- For 19 baby bottles à 110 ml
- Bottle size 51 x 51 mm, Neck 45 x 45 mm
- H 135, W 192, D 447 mm
- For upper or lower basket

Mat. no. 03808640

E 135/2 insert 1/2

- For 19 baby bottles à 90 ml
- Bottle size 51 x 51 mm, Neck 42 x 42 mm
- H 125, W 192, D 447 mm
- For upper or lower basket

Mat. no. 03808650

E 135/3 insert 1/2

- For 19 baby bottles à 120 ml
- Bottle size 56 x 56 mm, Neck 49 x 49 mm
- H 135, W 192, D 447 mm
- For upper or lower basket

Mat. no. 03808670

Components



APH 500 - PRT100 - Report printer

- Inkjet printer for printing process reports

Model compatibility

- All Miele Professional washer-disinfectors
- PG 8582, PG 8592

Mat. no. 7951540

APH 530 – Printer cable for PRT 100 printer

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

Cartridges, paper rolls

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



DTD 2 – Drip tray

For the secure positioning of canisters

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

Mat. no. 10695460

Detergents

Our professional cleaning detergents deliver excellent results and great material compatibility. Process chemicals and program setup build one system for superior results with your Miele washer-disinfector. The products are highly-efficient and convince with minimal cost per cycle. With decades of experience, the end results are cleaner than clean. Experience it for yourself today.

neodisher® MediClean forte

- For reprocessing thermostable and thermolabile instruments
- 5L and 10L canisters

Service

Functional safety and preservation of value

Miele Professional is synonymous with exceptional quality – not least when it comes to service.

It is our aim to always resolve any faults as quickly as possible.

However, preventive maintenance is essential to stop these from occurring in the first place. Miele Professional products have a long service life, but need to be checked regularly. We can offer you a broad range of services for this.



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.

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.

Miele service contracts

Preventative Maintenance (PM)

- Inspection
- Maintenance
- Incl. high-mortality parts

Full Protection Plan (FPP)

- Inspection
- Maintenance
- Incl. high-mortality parts
- Incl. repairs

Travel charges not included

Qualification

Qualification

- Installation qualification (IQ)
- Operation qualification (OQ)

Service to meet professional expectations

Highly qualified Miele service engineers oversee the 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 optimize operating parameters. A further advantage: regular checks and maintenance safeguard investments.

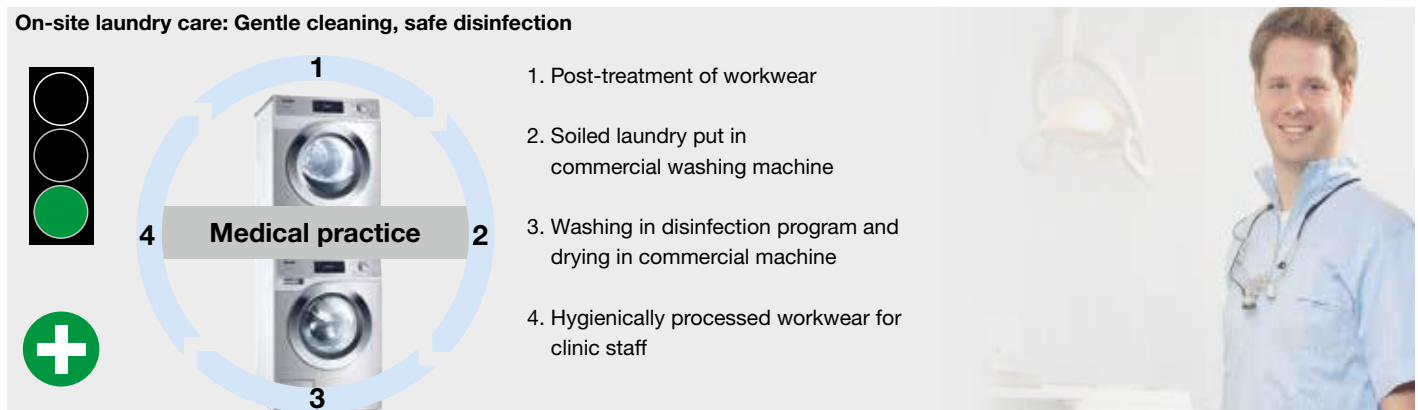
- Quality service through network of technicians
- Service network in British Columbia, Alberta, Ontario, Quebec
- 90% of service calls result in first-time fixes
- Reliable spares service, key functional parts available for 15 years after series production ceases

Customized service contracts

Miele Professional offers surgeries of all sizes tailored annual service contracts. During the term of the contract, Miele service engineers regularly assess and evaluate the condition of machines. Depending on the type of contract, 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.

Care of workwear

Benefits of commercial laundry care and perfect quality management

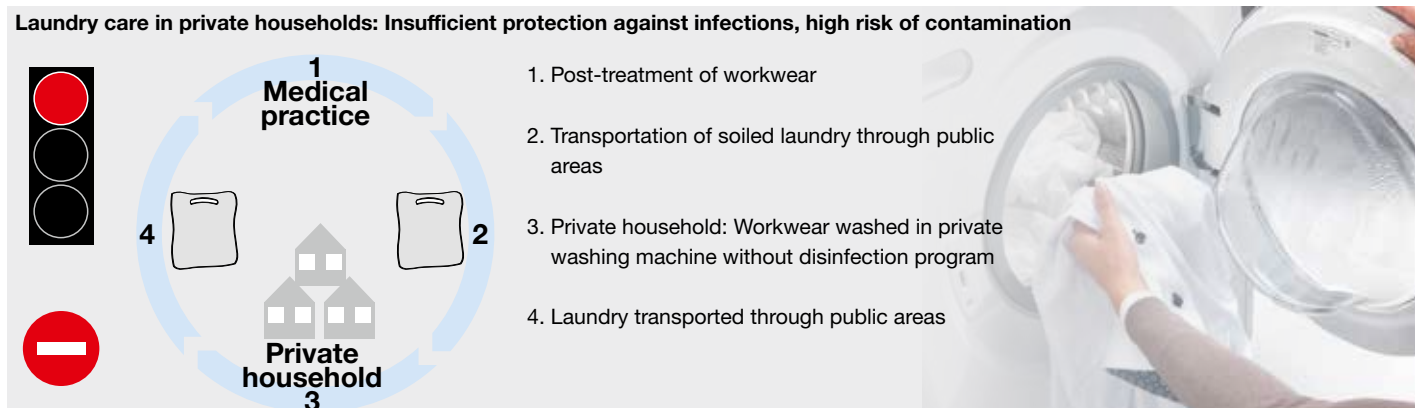


Benefits and perfect quality management

- Simple logistics in a closed-loop in-house system
- Washing with approved and efficient disinfecting programs
- Clean workwear ready for use again faster
- Cost-efficient cleaning, even of small loads
- Disinfecting wash process is closely monitored (no program 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) Germany
- Guideline: Hygiene in doctors' surgeries



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 programs
- Possible contamination of laundry during transportation from private house to surgery

Further information on our washing machines and dryers from the Little Giants model range is provided by www.mieleprofessional.ca

Dishwashing

Miele benefits with a payback



Very short cycles

Are very short cycle times and sparkling results important to you? In this case, the ProfiLine dishwashers are the perfect choice: Connections for hot water and 208V supply, intelligent dishwashing technology and a powerful heater pump ensure the shortest possible cycle times, starting at only 24 minutes, combined with optimum cleaning results. Take advantage of innovative features that make your dishes sparkle day after day in the shortest amount of time.



ProCare Shine detergents

Exploit the performance potential of your high-quality Miele Professional dishwasher to the full: The detergents and rinse aid in the ProCare Shine series were designed specifically for use in Miele dishwashers and ensure machine compatibility.



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 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' program.



Perfect GlassCare¹⁾

Soft water cleans dishware thoroughly but has an aggressive effect on glass. Consequently, ProfiLine dishwashers are equipped with Perfect GlassCare¹⁾ 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.

Further information on our ProfiLine dishwashers is provided by
www.mieleprofessional.ca

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

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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 “Immer Besser” (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

- 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