G 7881 Dental Thermal Disinfector
System Solutions for Dental Practices
The Heart of Integrated Instrument Reprocessing: The Miele G 7881 Dental Disinfector
Systematic, Streamlined, Simplified

Miele is proud to introduce the G 7881 Dental Disinfector. Featuring excellent cleaning, fast throughput, and high level disinfection, the G 7881 both streamlines and simplifies instrument reprocessing in the dental practice.

This practice of simplified instrument management will help you increase revenue, lower operating expense, and ensure the highest level of office safety.

This automated, repeatable cleaning process greatly reduces staff workload, allowing them more time chairside. The result: more patient appointments throughout the day, with a marked increase in revenue.

The G 7881 is an extremely cost-effective means of cleaning instruments. While not only eliminating the handwashing of instruments, the system features a very low per-cycle cost, with low water and detergent consumption.

The G 7881 also brings reliably safe instrument cleaning to your practice, greatly reducing your dependence on ultrasonics. The G 7881 not only exceeds OSHA standards, but provides industry-leading high level disinfection as well, with a microbial contamination reduction of 99.999999%.

Left photo: Featured is the G 7881 w/ optional Décor Panel.

Leading Features for Optimal Results

For state of the art reprocessing, the new G 7881 includes a deionized (DI) water intake valve for connection to an external pure water source. Leading instrument manufacturers recommend a DI water rinse as the final processing step prior to sterilization.

Rinsing with DI water ensures the elimination of detergent residues and naturally occurring minerals which could lead to instrument stains and corrosion. Since the G 7881 features a dedicated DI water intake, consumption of DI water is less than 2.5 gallons per cycle, making the system both economical and efficient to operate.

For full integration of your Dental Disinfector, Miele now introduces the exclusive Décor Panel. This unique feature allows the unit to blend in seamlessly with your cabinetry, bringing the polished, professional look of the rest of your office into your instrument reprocessing center.

With an outstanding set of benefits, including high water circulation, fast throughput, and exacting temperature controls, the Miele G 7881 provides reliable, industry leading cleaning and high level disinfection to the modern dental practice.
For more than three decades, Miele has been a leading innovator in the development of washer-disinfectors for use in medical and dental settings. Intensive application-related research and close cooperation with hygiene specialists, instrument manufacturers, and end-users have made Miele the market leader in this field.

Generation G 78
With its new G 78 generation of Dental Thermal Disinfectors, Miele is once again blazing a trail as the leading manufacturer of washer-disinfectors.

The new G 78 series represents a major step forward in machine-based washing and disinfection technology. It offers superb performance and reliability.

Miele is a trusted partner to the dental professional, offering comprehensive advisory service as well as technical assistance, where required.

With the ability to wash, disinfect, rinse, and dry, Miele Dental Thermal Disinfectors are the clear choice of washers for today’s dental professional.
Cleaning and Disinfection

The G 7881 Dental Thermal Disinfector is the result of closely studying the requirements of dental practices and specialized clinics. It has been developed specifically for the cleaning and disinfection of dental instruments and accessories, and is suitable for reducing the risk of infection as a result of injuries to dental professionals.

This system aims to optimize the flow of contaminated material in dental practices. Ideally, the dentist places contaminated instruments into a cassette. The cassettes are then processed in the G 7881 Dental Thermal Disinfector. This system heats the water to a temperature of 93°C/200°F and maintains it for 10 minutes, resulting in high level disinfection as defined by the Spaulding categories without the use of chemical disinfectants. This system’s strong cleaning abilities reliably remove blood which has been dried for up to 6 hours to a virtually untraceable degree, practically eliminating the need for further manual cleaning.

When retrieving the cassettes from the disinfector, they are safe for handling. The staff will be protected against infection to a high degree while handling the instruments because of the high level disinfection that takes place during the cycle. The instruments and cassettes should then be checked, wrapped, and sterilized.

Systematic Cleaning
The G 7881 Dental Thermal Disinfector has a freshwater circulation system set up for connection to cold water. Each wash phase takes in 2.2 gal. of fresh water. The incoming water is first cleaned in the water inlet filter. The water softener ensures a consistently high water quality. The powerful circulation pump, with a turnover volume of 106 gal. per minute, circulates the water through the wide range spray arms with directionally adjusted injectors.

Three spray arms, which combine high and low pressure jets, have significant advantages for cleaning effectiveness. The differences in the flow velocities result in a low frequency amplitude modulation. The wash solution is permanently circulated through a quadruple filter system: a coarse filter, a large area filter, a fine filter, and a microfine filter ensure that even the smallest particles are being retained and cannot get through to the circulation pump.

During the heating phase in the disinfection program, the steam condenser is activated at temperatures above 55°C/130°F. This prevents the escape of steam and vapors from the machine and eliminates the annoyance of unpleasant odors. More importantly, this also ensures that no contaminated aerosols can affect the environment.

Three automatic dispenser devices provide exact allocation of detergent, neutralizing, and rinsing agents. Containers for detergents may be conveniently stored in dispensing unit G 7896.

Right photo: Featured is the G 7881 Package # 1 with optional DOS G60/1 liquid detergent dispenser pump.
High Tech and High Quality

Miele Quality
• High quality stainless steel
• Titanium coated heating elements
• Heavy-duty, reinforced hoses
• Complex filtration systems for water inlet and wash cabinet
• Double wall construction with insulation

High Performance in a Compact Form
• Front-loading operation
• 5 programs with Multitronic electronic controls
• Digital time/temperature display
• Diodes indicate the completion of programs, the need to add salt for the water softener, and to refill detergent, neutralizing and rinsing agents
• Freshwater circulation system for strict hygiene
• Three dispenser devices for powder detergents, neutralizing and rinsing agents
• Liquid detergents can be automatically dispensed using a connection to the optional dispenser module
• Built-in water softener
• Steam condenser operative in disinfection program
• Powerful circulation pump with 106 gal./min. throughput
• Drain pump with maximum delivery head of 3 ft.
• Waterproof system to prevent flooding in case of leakage
• Extremely quiet operation

On the Outside
The G 7881 Dental Thermal Disinfector can be used as a freestanding unit, or can be built under a continuous worktop.

On the Inside
The two level wash cabinet is made of high quality chromium-nickel steel and offers a large capacity (internal dimensions H 18 1/2" x W 20 1/2" x D 20 1/2").

The double wall construction provides heat and sound insulation and is especially designed to save energy and be particularly quiet in operation.
G 7881 Dental Thermal Disinfector: Safe and Economical

Individual Solutions
There is a range of accessories available for the Miele Thermal Disinfector. These include the DOS G60 automatic liquid detergent dispenser module, the G 7896 Storage Cabinet, and various Stainless Steel Bases for an ergonomic approach to loading and unloading.

The Disinfection Programs
The G 7881 Dental Thermal Disinfector offers programs for thermal disinfection with simultaneous cleaning and rinsing of instruments and accessories and optional drying.

The thermal disinfection takes place at 93°C/200°F with a holding time of 10 minutes, resulting in a high level disinfection as defined by the Spaulding categories.

Disinfection must be accompanied by cleanliness, because even disinfected soil offers an almost ideal environment for new microbial growth. The cleaning efficiency of the G 7881 Dental Thermal Disinfector ensures decontaminated instruments free of soil. Even blood which has been dried for up to 6 hours is reliably removed to a virtually untraceable degree.

Disinfection 93°C – 10’ Program
This program will clean and provide high level disinfected instruments. The thermal disinfection process (93°C for 10 min.) occurs during the first cycle step to ensure that only disinfected water is dispensed into the sewage system.

Disinfection Vario Program
The Disinfection Vario program is the most widely used and recommended program. The disinfection capabilities allow the instruments to be handled safely by the staff after the cycle has finished. The thermal disinfection process (93°C for 10 min.) occurs during the final rinse cycle. This is important because the instruments will be at their hottest at the end of the program, allowing for faster and more efficient drying results.

Wash Program
This program will clean the instruments without disinfection. The temperature of 60°C efficiently washes dirty instruments in a short amount of time (approx. 35 min.).

Rinse Program
This program is ideal for the rinsing of instruments which may have been treated in a pre-soak solution. Separate rinsing eliminates potential problems caused by the build-up of foam.

Baskets and Inserts
Miele offers a wide range of specialized baskets and inserts. The baskets and inserts have been designed for individual instruments. Hollow instruments can be cleaned and disinfected by using injector basket O 177/1. Hinged instruments should be opened and placed in a mesh tray, i.e., the E 378 or E 379. A combination of baskets and inserts can be used to clean the specific instruments of a dental practice.

<table>
<thead>
<tr>
<th>Program Contents</th>
<th>Disinfection Vario</th>
<th>Disinfection 93°C-10’</th>
<th>Wash</th>
<th>Rinse</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Preliminary Rinse</td>
<td>Water circulation</td>
<td>–</td>
<td>–</td>
<td>Water circulation 4’</td>
</tr>
<tr>
<td>2. Cleaning</td>
<td>55°C</td>
<td>93°C-10’ (Disinfection)</td>
<td>60°C</td>
<td>–</td>
</tr>
<tr>
<td>3. Interim Rinse I</td>
<td>Neutralizing rinse</td>
<td>Neutralizing rinse</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>4. Interim Rinse II</td>
<td>Water circulation</td>
<td>Water circulation</td>
<td>Water circulation</td>
<td>–</td>
</tr>
<tr>
<td>5. Final Rinse</td>
<td>93°C-10’ (Disinfection)</td>
<td>75°C</td>
<td>65°C</td>
<td>–</td>
</tr>
<tr>
<td>6. Drying</td>
<td>Optional: 10’</td>
<td>Optional: 10’</td>
<td>Optional: 10’</td>
<td>–</td>
</tr>
<tr>
<td>Approximate cycle time (without drying)*</td>
<td>54’</td>
<td>50’</td>
<td>35’</td>
<td>4’</td>
</tr>
</tbody>
</table>

* Cycle time depends upon a number of variables including electrical supply, incoming water temperature, and incoming water pressure.
Testing Thermal Disinfection

To prove the disinfection abilities of the Miele Dental Thermal Disinfector, extensive biological and physical studies were conducted by renowned institutions throughout the United States and Germany. The disinfection parameters 93°C/200°F/10 min. provide high level disinfection. Although disinfection is not as absolute as and does not replace sterilization, it offers a high degree of protection against infection for dental professionals. The areas of effectiveness are removal or inactivation of vegetative bacteria, microbacteria, fungi, fungal spores, and viruses. Spores are not inactivated.

In all tests conducted by US institutions, Hu-Friedy scalers and hemostats as well as A-dec evacuation tips were contaminated with microorganisms and blood. In some cases, hydroxyapatite was added to the contamination to simulate tooth material.

The microbial challenge was determined prior to disinfection. Each instrument was inoculated with up to 500,000,000 microorganisms, usually by submerging the instruments completely in the contaminated soil. Up to 12 instruments constituted a test load, i.e. 6,000,000,000 microorganisms in the wash chamber. To prove the effectiveness of the machine when fully loaded, the chamber was then filled up with uninoculated instruments. In most cases no microorganisms could be recultured, indicating that usually each and every microorganism was removed or killed.

The Spaulding category high-level disinfection is the same type of means as in the sterilant category except that the use pattern is different. The sterilant is used as a high-level disinfectant by e.g. reducing the exposure time within its effective range of tuberculocidal, virucidal, and bactericidal action.

The following microorganisms were used to test the Miele Dental Thermal Disinfector:

- Mycobacterium tuberculosis ATCC 25177 (H37Ra)
- Enterococcus faecium ATCC 49224
- Pseudomonas aeruginosa ATCC 15422
- Salmonella choleraesuis ATCC 10708
- Staphylococcus aureus ATCC 6538

In different models which use the same thermal disinfection parameters (93°C/200°F/10 min.) the following microorganisms were tested for:

- Streptococcus faecium ATCC 6057
- Klebsiella pneumoniae ATCC 10031
- Staphylococcus aureus ATCC 5G511
- Escherichia coli ATCC 11229
- M. terrae ATCC 15755
- Proteus vulgaris ATCC
Increasing the Microbial Challenge
To consider the worst case scenario, these tests were conducted in two series: one series in which the instruments were processed in the Miele Dental Thermal Disinfector immediately after inoculation; in the second test series the instruments were dried for 6 hours after inoculation with organisms and blood, but before processing.

To further increase the challenge, part of the instruments were scratched both with a rotating metal brush and with a grinding stone. The resulting fine and deep scratches on the surface of the instruments are hard to clean and disinfect, and may provide a safe harbor for microorganisms. Nonetheless, scratched instruments are commonly used in practice.

Mycobacterium Tuberculosis
Infections with tuberculosis have been spreading again in the United States during the last few years. For this reason, special emphasis was laid upon the disinfection abilities regarding this organism.

Hinged, hollow, and hand instruments were inoculated with the Mycobacterium tuberculosis, strain ATCC 25177, and blood. The estimated microbial load was $10^8$ organisms per instrument. Three hinged, 3 hollow, and 6 hand instruments constituted one test load. Both test series with and without drying were conducted.

The results showed that no live organisms were present after the disinfection cycle, indicating a log-reduction factor of at least 8. Tuberculocidal action was proved.

Pseudomonas Aeruginosa
Salmonella Choleraesuis
Staphylococcus Aureus
Tests on these bacteria are required for disinfectants. These bacteria were tested for in the Miele Dental Thermal Disinfector even with the elevated challenge of 6 hours drying and scratched instruments. The inoculum also contained blood and hydroxyapatite to simulate tooth material.

In most cases no organisms could be recultured, indicating that usually each and every organism was killed.

Enterococcus Faecium
The bacterium E. faecium, ATCC 49224, was tested in a similar fashion as the Mycobacterium tuberculosis.

In no cases could any organisms be recultured. A log-reduction factor of at least 8 was proved.

Hepatitis B Virus
The HBV cannot be artificially cultured. Hence, the direct testing of the HBV is not feasible. However, the Enterococcus faecium possesses similar heat resistance properties as the HBV*. E.g. the German Federal Health Authority accepts the testing of E. faecium as a replacement for HBV**.

The Miele Dental Thermal Disinfector achieves a log-reduction factor of at least 8 for E. faecium.

HIV
The Human Immunodeficiency Virus (HIV) causing the Acquired Immunodeficiency Syndrome (AIDS) is very unstable in the presence of heat. An American study shows that HIV is reduced to 1/10 at 60°C/140°F after 24 seconds***. After 10 minutes at this temperature a log-reduction factor of 25 is achieved. That means that from $10^2$ HI viruses it is likely for 1 virus to survive.

The Miele Dental Thermal Disinfector reaches a temperature of 93°C/200°F and holds it for 10 minutes. Therefore it is safe to assume that HIV will be reduced according to a high-level disinfection standard. For this reason the HIV was not specifically tested for with this system.

Disinfection Parameters
93°C/200°F/10 min.

The thermal disinfection process relies upon the two physical parameters temperature (93°C/200°F, accuracy: +4°C/7.2°F -2°C/3.6°F) and time (10 min.). The Miele Dental Thermal Disinfector strictly adhered to these parameters throughout the wash cabinet, even fully loaded. No cold spots could be detected.

Proven Cleaning Abilities
A wide range of cleaning studies have been conducted utilizing common dental instruments.

One study was conducted with fresh human blood. This blood was not defibrinated so that it would clot after a short time. This certainly represents the most realistic testing possible. Two test series were conducted both with immediate cleaning and with cleaning after a drying time of 6 hours. Both new and scratched instruments were utilized.

After completion of the cleaning and disinfection cycle the instruments were tested for traces of blood residues with Hemastix. In most cases no blood residues could be found. In very few cases residues could be traced in hinges of hemostats. However, these residues were close to the detection limit of the test.

Other cleaning tests that were conducted affirmed the claims of this brochure: Orthodontic and surgical instruments taken from actual patient use, dental instruments inoculated with sheep blood and hydroxyapatite, and instruments contaminated with dental cement.
Cleaning: The Most Important Step
Without proper cleaning, sterilization is not possible. A clean and debris-free surface is required during steam sterilization, allowing steam to contact all instrument surfaces. Tests have demonstrated that bacteria can survive a steam sterilization cycle if they are protected under dried debris. The Miele Thermal Disinfector provides superior cleaning, virtually eliminating the need to manually scrub an instrument.

Disinfection is Not Sterilization
Disinfection is generally a less lethal process than sterilization. It eliminates virtually all recognized pathogenic microorganisms but not necessarily all microbial forms (e.g. bacterial endospores) on inanimate objects. Disinfection does not ensure an overkill, and therefore disinfection processes lack the margin of safety achieved by sterilization procedures. Hence, disinfection processes cannot replace sterilization.

Disinfection efficiency is measured by the log-reduction factor. A log-reduction factor of 1 indicates that from 10 organisms, it is likely for one organism to survive on instrument surfaces. The microbial population is reduced by 90%.

A log-reduction factor of 8 means that from 100,000,000 microorganisms, it is likely for one organism to survive, i.e. the microbial contamination is reduced by 99.999999%. The Miele G 7881 Dental Thermal Disinfector achieves a log-reduction factor of 8.

Caring for Our Environment
Although environmental concerns should not decrease infection control standards, it is always preferable to choose equipment that provides an environmentally friendly method. Chemical agents used in thermal disinfection usually put a lesser burden on our environment than chemical disinfectants.

In the interest of maintaining the highest possible standard of efficiency and safety, the following steps are widely accepted by the dental profession:
1. Containment and Transportation
Immediately after use, contaminated instruments are transported safely* in cassettes or on trays to the sterilization area. Waste is segregated and disposed of in appropriate waste receptacles.

2. Cleaning and Disinfection
Instruments and cassettes should be placed directly into the machine after use at chairside. The contaminated instruments can be kept in the machine for interim dry storage for up to 6 hours. An automated washing program should then be selected. This system also offers an optional drying cycle, which is recommended.

3. Inspection and Sorting
After cleaning, disinfection, and drying, the instruments can be safely checked for normal wear and damage.

4. Preparation for Sterilization
Instruments and cassettes are placed in sterilization pouches or wrap, and sealed according to manufacturers directions to ensure sterilization until use.

5. Sterilization
Packaged instruments are processed through the complete cycle of a steam autoclave, chemical vapor sterilizer, or dry heat sterilizer, according to manufacturers’ directions for each type of sterilizer.

6. Storage of Sterile Instruments
It is essential to preserve sterility until use. Packaged sterilized instruments may be stored on clean shelves or in clean drawers.

*Appropriate PPE including gloves, masks, eyewear, and protective outer lab coat or gown, must be worn while handling all unsterilized instruments according to the current OSHA Bloodborne Pathogens Standard.
Instruments Suitable for Thermal Disinfection

Only instruments that are thermally stable up to 97°C/206.6°F and corrosion resistant should be processed in the disinfector. The majority of dental instruments consist of high quality stainless steel. The stainless steel quality varies depending on the specific instrument criteria.

Generally, only high-quality stainless steel instruments are recommended for cleaning in the Miele Thermal Disinfector.

Miele recommends that instruments made from aluminum, chrome, nickel, carbon, or carbide steel, or instruments that are chrome plated should not be processed in the machine.

If there are questions regarding the suitability of any instrument for use in the G 7881, contact your Miele representative.

Water Quality

Water quality can sometimes have an effect on the instruments that are washed in the Miele Thermal Disinfector.

Some areas of the United States have better water quality than other areas. For areas where water quality is questionable, Miele recommends the use of an external water purification unit connected to the DI intake valve on the back of the unit.

The external purification unit is then able to supply either DI or reverse osmosis (RO) water during the final rinse of the program, virtually eliminating any minerals or compounds that may be damaging to the instruments. And through Miele’s integrated DI intake valve, this pure water is only used when it is needed, in the final rinse cycle, greatly reducing the costs associated with a pure water system.
G 7881 Dental Disinfector
At A Glance

G 7881
- 93° C (~200° F) for 10 minutes for high level disinfection
- Selectable programs for rinsing, cleaning and high level disinfection
- 106 gallon/minute water circulation for excellent cleaning
- White finish exterior
- Exclusive Miele Décor Panel for integration into cabinetry
- Integrated extra water inlet for DI water, used in areas where water quality is poor
- Integrated heat exchanger, preventing the release of heat, humidity and odors in the room
- Can be used in small reprocessing areas
- Integrated water softener
- Audible alarm
- Equipped with dispensing systems for detergent, neutralizing agent and rinse aid
- Optional liquid dispensing system
- Dimensions:
  33.46"H with lid x 23.54"W x 24"D
  (32.28"H without removable lid)
- Electric:
  208 V 60 Hz, 2 x 30 Amp (convertible to 3 phase, 3 x 20 Amp)
The Modern Dental Practice

As a business owner, you understand the impact a clean, modern dental practice has on your patients. You and your staff take pride in it. You want to showcase the latest in dental technology, yet keep the office functional and streamlined. The practice becomes a reflection of both your professionalism and your talent.

Whether planning a new practice or enjoying an existing design, the new G 7881 has your specific practice in mind.

Left photo: Featured is the G 7881 w/ optional Décor Panel.

Custom Integration

To seamlessly integrate your instrument reprocessing center with the rest of your practice, Miele introduces the exclusive Miele Décor Panel.

This unique feature allows the new Miele dental disinfector to blend seamlessly with your cabinetry, bringing the polished, professional look of the rest of your office into your instrument reprocessing center.

Ease of Installation

The exclusive Miele Décor Panel feature allows you to match your dental disinfector to your cabinetry by simply replacing the two white front panels on your machine.

Available through Miele or your local custom cabinet manufacturer, Miele stocks the most common laminates for matching the A-dec Preference ICC. For custom applications, these panels are available in a full palette of colors and designs or in stainless steel, providing you with an exact match for your office and instrument reprocessing center.
G 7881 Package #1: General Dentistry

This equipment package is recommended for the general dentist who utilizes cassette systems.

This package of baskets and inserts will hold 18+ cassettes in the E 523 inserts (depending on the size), as well as hinged and other instruments placed in open mesh tray E 379.

Left photo: Featured is the G 7881 Package # 1 with optional DOS G60/1 liquid detergent dispenser pump in foreground and G 7896 AW storage unit in background.
This equipment package is recommended for oral surgeons who have a need to process reusable hollow instruments (i.e. suction tips) and also use cassettes.

The specially designed O 177/1 upper basket has 26 jets that will shoot water and detergent up through the inside of the hollow instrument, eliminating the need for manual scrubbing with a brush.

This package of baskets and inserts will hold 12+ cassettes in the E 523 inserts (depending on the size), as well as hinged and other instruments placed in open mesh tray E 379 and hollow instruments in the O 177/1 injector basket.
Upper and Lower Baskets

O 177/1
- The standard upper basket for oral surgery offices cleaning hollow instruments
- 26 jets plus 12 funnels for direct injection of hollow instruments with inner diameter of 1/8" or larger
- For cleaning instruments with smaller inner diameters, replace jets with injection funnels DRM19 (19mm width) or DRM 29 (29mm width)
- Right top of basket holds inserts for cassettes or loose instruments
- Built-in spray arm and water coupling system for optimal spray volume
- Rolls out for easy loading and unloading
- Article No. 69117702

O 190
- The standard upper basket for general dentistry
- Holds inserts to support cassettes
- Holds inserts for loose instruments
- Built-in spray arm and water coupling system for optimal spray volume
- Rolls out for easy loading and unloading
- Article No. 69119001

U 874
- Holds inserts to support cassettes
- Holds inserts for loose instruments
- Rolls out for easy loading and unloading
- Article No. 69187403
Individual Inserts

Insert E 523
- Holds various cassettes from small hygiene to large oral surgery
- Holds 6 or more cassettes
- Fits in O 190 and O 177/1 upper baskets and U 874 lower basket
- Recommended holder for Hu-Friedy cassettes
- Cassettes not included
- Article No. 69552301

Half Universal Mesh Tray E 379 (1/2)
- Holds various hand instruments
- Constructed of 1/16" wire mesh
- Fits in O 190 and O 177/1 upper baskets
- Insert dimensions: 3³/₈" H x 7³/₈" W x 18 ¹/₈" D
- Article No. 69537901

Full Universal Mesh Tray E 378 (1/1)
- Holds various hand instruments
- Constructed of 1/16" wire mesh
- Fits in U 874 lower basket
- Insert dimensions: 3³/₈" H x 18³/₈" W x 18³/₈" D
- Article No. 69537801
Specialty Inserts

Mesh Tray E 146 (1/6)
- Mesh basket with lid for hand instruments
- Constructed of 1/16” and 1/8” wire mesh openings
- Ideal for larger hinged instruments requiring maximum water flow
- Fits in E 131 insert
- Insert dimensions: 2 1/6" H x 5 5/6" W x 8 27/32" D
- Article No. 69514601

Mesh Tray E 363 (1/6)
- Mesh basket with lid for hand instruments
- Constructed of 1/32” wire mesh openings
- Small mesh openings make it ideal for cleaning thinner pointed instruments
- Fits in E 131 insert
- Insert dimensions: 2 1/6” H x 5 5/6” W x 8 27/32” D
- Article No. 69536301

E 328 Support Insert
- Upright support of single and double-ended instruments
- Fits in E 146 and E 363 mesh baskets (baskets not included)
- Article No. 69732801

Insert E 131/1
- Holds up to 5 cassettes or mesh baskets
- Two will fit in a single U 874 lower basket
- Cassettes not included
- Article No. 69513102

Insert E 130 (1/2)
- For cleaning up to 10 trays (max. tray size: 6 1/2” W x 1 1/4” thick)
- Two can fit in a single U 874 lower basket
- Trays not included
- Insert dimensions: 7” H x 7” W x 17 1/6” D
- Article No. 69513001
Specialty Accessories

Stainless Steel Base - UE 30-60/60-78
- 12” height for ergonomic loading and unloading
- Recommended for freestanding applications
- Base dimensions: 12” H x 24” W x 24” D
- Article No. 69376009

DOS G60/1 Module
- Automatically and reliably adds liquid detergent during each cycle
- Eliminates need for manual fill of the powder detergent door cup
- Required for liquid detergents and Detergent Package #2
- Article No. 69747007

G 7896 Storage Cabinet
- Holds up to 4 DOS G 60/1 modules and 4 chemical storage containers
- A single unit can serve two G 7881s
- Article No. 00253531

Mounting Kit Floor Brackets
- Prevent machine from falling forward in freestanding applications
- One kit needed per machine
- Article No. 00253531

Cool Down Kit
- May be required for locations with PVC drain plumbing
- Article No. COOL-DOWN KIT

Stainless Steel Décor Panel
- True 304-grade stainless steel
- Article No. PROF304F

Limber Maple Décor Panel
- Wilsonart 10734-60
- Article No. PROF10734W

Oyster Gray Décor Panel
- Formica 929-5
- Article No. PROF929F

Concrete Stone Décor Panel
- Formica 7267-58
- Article No. PROF7267F

Sand Stone Décor Panel
- Formica 7265-58
- Article No. PROF7265F

Custom Laminate Décor Panel
- Please allow 6-8 weeks for delivery
- Please call Miele for Article No.
Detergents

neodisher™ MA
Powder Detergent (10 kg)
• Yields approx 300 cycles
• Powder alkaline detergent
• Powder alternative to neodisher™ FA
• Article No. US486876

neodisher™ FA
Liquid Detergent (5 L)
• Yields approx 100 cycles
• Liquid alkaline detergent
• Liquid alternative to neodisher™ MA
• Requires DOS G60/1 dispensing system
• Article No. US489533

DOS G60/1 Module
• Automatically and reliably adds liquid detergent during each cycle
• Eliminates need for manual fill of the powder detergent door cup
• Required for liquid detergents and Detergent Package #2
• Article No. 69747007

neodisher™ N
Acid Neutralizer (5 L)
• Yields approx 500 cycles
• Liquid neutralizing agent released immediately following the alkaline main wash cycle
• Restores pH balance in wash chamber
• For use with neodisher™ FA or MA
• Article No. US482433

neodisher™ Medizym
Near-Neutral pH Liquid Detergent (5 L)
• Yields approx 100 cycles
• Liquid near-neutral pH detergent
• Requires DOS G60/1 dispensing system
• Article No. US404033

neodisher™ Z
Acid Neutralizer (5 L)
• Yields approx 500 cycles
• Liquid neutralizing agent released immediately following the main wash cycle
• For use with neodisher™ Medizym
• Article No. US483033

Water Softener Reactivator
• For recharging the on-board water softener
• Extremely pure reactivator free of any dyes and additives

neodisher™ Mielclear
Rinse Aid (1 L)
• Yields approx 300 cycles
• Protects dental instruments and allows better drying results
• Article No. US496646

Left photo: Featured is the G 7881 Package # 1 with optional DOS G60/1 liquid detergent dispenser pump.
### Control Unit
Control system supplied with five standard programs:

<table>
<thead>
<tr>
<th>Program</th>
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<tbody>
<tr>
<td>Disinfection Vario 93°C/200°F</td>
</tr>
<tr>
<td>Disinfection 93°C/200°F</td>
</tr>
<tr>
<td>Wash</td>
</tr>
<tr>
<td>Rinse</td>
</tr>
<tr>
<td>Drain</td>
</tr>
</tbody>
</table>

### Cleaning Mechanism
- **Rotary:** Three multi-jet spray arms
- **Direct Injection:** Using optional O 177/1 Upper Basket

### Drying
Flash heat drying using standard sump heating element

### Water Softener
Built-in, with adjustable water hardness
Automatic reactivation

### Detergent Dispensing
Machine is equipped with a standard powder door cup
An optional automatic dispensing module is available for dispensing of liquid detergents

### Main Circulation Pump
- **Circulation:** 106 gal/min (400 l/min)
- **Construction:** ABS plastic impeller and housing

### Cabinet and Chamber

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exterior</td>
<td>White front panels standard, with optional stainless steel panel or custom panels available</td>
</tr>
<tr>
<td>Interior</td>
<td>Type 304 SS sides, back, and top</td>
</tr>
<tr>
<td></td>
<td>Type 316 SS bottom and door</td>
</tr>
</tbody>
</table>

### Plumber Connections
One or two water connections as follows:

<table>
<thead>
<tr>
<th>Connection</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tap a.</td>
<td>Cold water for wash cycles. 5'5&quot; connection hose with 3/4&quot; hose thread unions</td>
</tr>
<tr>
<td></td>
<td>Minimum flow rate of 2.5 gpm/10-147 psi (recommended 25-60 psi)</td>
</tr>
<tr>
<td>Tap b.</td>
<td>5'6&quot; connection hose with 3/4&quot; hose thread unions</td>
</tr>
<tr>
<td></td>
<td>Minimum flow rate of 2.5 gpm/10-147 psi (recommended 25-60 psi)</td>
</tr>
<tr>
<td>DI Source (use optional)</td>
<td>5'6&quot; connection hose with 3/4&quot; hose thread unions</td>
</tr>
<tr>
<td></td>
<td>Minimum flow rate of 2.5 gpm/10-147 psi (recommended 25-60 psi)</td>
</tr>
</tbody>
</table>

### Drain Connections
- **Connection:** One 7/8" ID flexible drain hose, 4'7" long
- **Maximum drain height:** 39.4"
- **Maximum drain length:** 13'

### Electrical Requirements
- **Single Phase:**
  - 208 V, 60 Hz, 2 x 30 Amps
- **Three Phase:**
  - 208 V, 60 Hz, 3 x 20 Amps (Available as an optional conversion)
  - Unit is equipped with a 5’11”, 10 AWG, 3 wire, unterminated power cord
  - Units are CSA approved (certificate 1319665)

### Dimensions
- **Interior:** 18.5"H x 20.5"W x 20.5"D
- **Exterior:** 33.46"H x 23.54"W x 24.0"D (Height is 32.28” without lid)

### Noise Level
- < 60 dBa

### Customizable Décor Panels
- **Main Panel:** 442 mm H x 586 mm W, 1.2 mm thick
- **Toe Kick Service Panel:** 117 mm H x 586 mm W, 1.2 mm thick

Stainless Steel and select Laminate Décor Panels available through Miele. Custom panels available with a 6-8 week delivery time.