

Instrument Processing with the Miele Dental Washer Disinfector



After treatment

- Wipe off debris and cements after use and place in cassettes or trays
- No pre-treatment necessary
- Instruments should not be left in washer overnight – wash within 6 hours after use



Load the Washer

- Place hollow instruments on injectors
- Place cassettes and loose instruments in the washer
- Only place corrosion and heat resistant instruments, accessories and other items into the Miele Dental Washer Disinfector



Visual check of washer and load

- Check if spray arms rotate freely
- Load items properly that water access all surfaces
- Open hinge of hinged instruments 90°
- Clean filter combination if necessary
- Check if basket adapter is properly connected to water supply



Adding powder cleaning agent

- Only use agents formulated for use in washer disinfectors, follow manufacturer's instructions
- Add powder cleaner in door compartment (check if the flap can open freely)



Adding liquid cleaning agent :

- Liquid detergent should be used for cleaning hollow instruments with injectors
- Liquid agents require a dose pump
- For the Disinfection VARIO programme liquid dispensing is recommended
- Follow manufacturers instructions



Choosing the programme

- Disinfection VARIO = standard programme

At the end of the programme

- unlock the door to release steam (caution=hot) before unloading

Recommended Instruments

- All instruments, accessories and other items that are heat resistant to a temperature up to 95°C and corrosion resistant in the presence of heat and alkalinity
- Plastic instruments that can withstand high temperatures
- General high-quality stainless steel instruments
- Hollow instruments (aspiration/suction tips etc.)

Non-Recommended Instruments

- Instruments made from Aluminum, Chrome, Chrome Plated, Nickel, Carbon or Carbide Steel
- Plastic instruments that cannot withstand high temperatures
- Certain Mirrors and Handpieces, Fiber-optic, Burrs, Drill-bits, Grinders

Ask your Miele Professional representative for advise on disinfecter setups for processing oral surgery instruments, orthodontic, hand pieces , implant devices, turbines, hollow instruments

Please refer to the Operating Instructions of the washer disinfector and check with the instrument manufacturer to ensure instruments are safe for use in Miele high temperature washer disinfector.

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CLEANING AGENTS FOR MEDICAL DEVICES



Name	Characteristics	Directions for Use
neodisher® MediClean <small>Optional Miele dosage pump required</small>	Liquid alkaline enzyme-based cleaner with high material protection	<ul style="list-style-type: none"> •Too much or too little detergent may have adverse cleaning effects •If liquid agent container becomes completely empty and air fills the pick-up tubes, it will be necessary to prime the pumps •When using the upper basket O190/1, the door dispenser for powder cleaning agent may only be used if basket is in the highest position. Otherwise, liquid agent must be dispensed form DOS 1. •Neodisher detergent, neutraliser, rinse aid and salt have been tested to provide superior cleaning results and anything not recommended by Miele cannot guarantee best cleaning results •Never use domestic additives •All liquid detergents require DOS dispensing unit
neodisher® FA <small>Optional Miele dosage pump required</small>	Liquid alkaline cleaner, free from surfactants and oxidizing additives	
neodisher® MA	Alkaline powder cleaner with high material protection, free from oxidizing additives, contains surfactants, foam reducing	
neodisher® N <small>Optional Miele dosage pump required</small>	Acid-based cleaning and neutralising agent, rinses off alkaline cleaners, Free from surfactants	
neodisher® Z <small>Optional Miele dosage pump required</small>	Liquid acid neutralising agent based on organic acids, No surfactants	
Miele Mielclear	Neutral pH rinse to improve drying and protects against corrosion	
Miele Softener Salt	Reactivation salt, softens water and prevents instrument corrosion	

TROUBLESHOOTING GUIDE

Problem	Cause	Solution
Spotting (white residue)	<ul style="list-style-type: none"> •Not using water softener •Water softener not set properly •Too much detergent •Rinse aid dosage too low 	<ul style="list-style-type: none"> •Determine water hardness •Set water softener to appropriate setting using the Operating Instructions
Rust (brown deposits on instruments)	<ul style="list-style-type: none"> •Instruments not suited for processing in washer •Chlorides in tap water •Neutraliser not being dispensed 	<ul style="list-style-type: none"> •Do not process carbon steel instruments in the Miele Dental washer disinfectant. •Separate stainless and carbon instruments throughout the cleaning and sterilisation process •Treat instruments with neodisher® IR and test water for chlorides
Chloride-induced spotting (corrosion with hole in center)	<ul style="list-style-type: none"> •Chlorides attack instruments •Chloride in tap water, water softener not used, cleaning agents not suitable 	<ul style="list-style-type: none"> •Check the water quality •Rinse and dry instruments thoroughly to prevent pitting •Only use Miele approved cleaning solutions •Remove corrosion with neodisher® IR or replace instruments
Discolouration (yellow/brown tint)	<ul style="list-style-type: none"> •Silicates in water •Aluminum instruments processed with steel instruments 	<ul style="list-style-type: none"> •Treat instruments and wash chamber with neodisher® IS •Do not process aluminum instruments in the Miele Washer disinfectant •Separate stainless and aluminum instruments throughout the cleaning and sterilisation process
Unsatisfactory cleaning results	<ul style="list-style-type: none"> •Instruments stored for more than 6 hours before processing •Incorrect detergent dosage •Machine overloaded •Spray arm not connected •Neutraliser not dispensed 	<ul style="list-style-type: none"> •Do not allow dirty instruments to sit for more than 6 hours •Check the dosage of detergent and adjust if necessary •Place instruments into machine allowing water to touch every surface, do not overload, make sure spray arms rotate easily and are not blocked •There should be a tight fit between the coupling and the water inlet connector at the top of the chamber, follow instructions in the manual