

# FAST



THE KEYWORD  
TO SAVE TIME WHILE ENSURING  
MAXIMUM SAFETY

COMPLETELY  
AUTOMATIC CYCLE  
FOR PACKAGING  
PREPARATION

**[20]**

IN ONLY 20 MINUTES

## MultiSteril *Fast*

*Integrated system for fast preparation  
for dental and medical instrument sterilisation*



Today, technology allows us to work on two crucial factors concerning profitability and professionalism in the medical and dental fields.

How many instruments  
can you prepare for  
sterilisation in

**[20]**  
minutes?

*Safety and time saving.*  
Discover how innovation makes it possible to perform a better preparation for sterilisation, while reducing time and costs.

# MultiSteril Fast system



## [Inventors of a new system]

Several years ago, we revolutionised the sterilisation process by developing the **MultiSteril multifunction system**. With *MultiSteril*, Tecno-Gaz has proven its ability to know and interpret a sector in which it has been a leader for many years. Today, we are pleased to present **MultiSteril Fast**, the evolution of a *system* which has revolutionised and simplified a protocol, which we have transformed from a manual to a completely automatic operation.

**MultiSteril Fast** has been evolved, thanks to the application of new technologies ensuring a 50% reduction in treatment times (*static disinfection, thermal disinfection, ultrasonic cleansing, rinsing, drying*) to only 20 minutes. **A revolutionary device which your surgery can't do without.**



1998  
Integrated cycle



2010  
MultiSteril

2018  
MultiSteril Fast +  
Multisteril CD

# Manual preparation for sterilisation...

Time, costs, risks and space required.

Why is the manual process less efficient, and to what extent?

**×** €€€

## Costs

### Material usage

<i>Operator</i>	PPEs undergoing <i>fast deterioration</i> due to their intensive use
<i>Disinfection step</i>	use of a <i>specific liquid disinfectant</i>
<i>Cleansing step</i>	use of a specific liquid cleanser for <i>ultrasonic basin</i>
<i>Drying step</i>	paper towels

## Risks



### Risks for the operator

Contamination, cuts and punctures.

## Space

**×** 200cm

### Space required

At least 2-metre long worktop (*space for accommodating the disinfection basin, the ultrasonic basin, the drying system, the paper towels, presence of a sink for the rinsing step*).

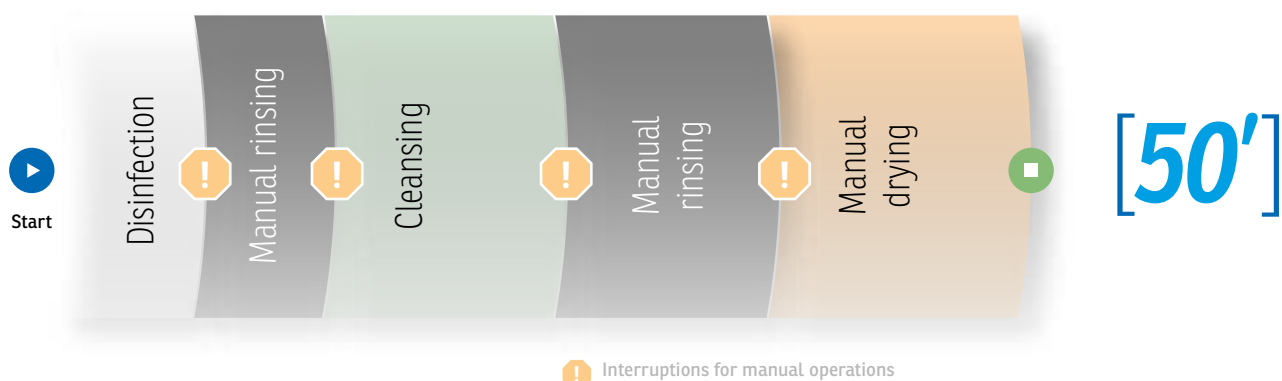
## Time

**×** ~50'

Completely manual, uncontrolled operation

### Time

Time required for treating 4 kg of instruments: about 50 minutes, in the active presence of an operator.



# Fast preparation for sterilisation?

The process of preparation for sterilisation. With the new *MultiSteril Fast*, all the operations are completed in only 20 min.



## Material usage



<b>Operator</b>	PPEs undergoing slow deterioration due to their limited use
<b>Disinfection step</b>	automatic cycle with the use of a tested disinfectant/cleansing liquid
<b>Cleansing step</b>	
<b>Drying step</b>	by air

Costs



## Risks for the operator

No active instrument handling, minimum/no risks.

Risks



## Space required

50 linear centimetres and no sink required.



Space



Completely automatic, controlled operation

\* 20' minimum time

## Time

Time required for treating 4 kg of instruments: about 20 minutes, without the presence of an operator.

Time



# MultiSteril Fast and the operator



## Extraordinary speed

**MultiSteril Fast revolutionises the role of the operator who takes care of the sterilisation cycle**, whose only task is to introduce the instruments in the basin and remove them at the end of the cycle. There are no operative responsibilities and *no risks*; the process is automatic and controlled. The operator is not directly involved and, therefore, *can have much more time* to spend in other more profitable tasks for the surgery.



# Obvious advantages

Complete cycle in only 20 minutes.  
*Nothing is as fast as MultiSteril Fast.*



## Improved instrument rotation and availability and greater working flexibility

No need to buy new instruments in order to make up for instrument unavailability due to long treatment times (*as with all the other devices*).



## No human intervention

All the disinfection, cleansing, rinsing and drying steps are performed automatically, without human intervention; this permits to *follow the protocols correctly* and to avoid negligence or operative mistakes.



## No contamination risks

Since neither handing, nor transfer of infected instruments and materials are involved, there are *no risks of accidents at work*, because all the procedures are automatically managed by MultiSteril Fast according to preset sequences which do not involve the operator in any way.



## Time saving

Today, all the steps of the sterilisation cycle are carried out manually by the operator, who spends a great deal of time in performing all the protocols. MultiSteril Fast does not require operator intervention; *every step is automatic* and cycle times are *halved*.



## Great cost saving

The whole process does not require the continuous presence of an operator, the management of the liquids used is automatic and there is *no need to carry out cleaning and disinfection* at the end of the cycle, with a *great reduction of total time and costs*.



## Perfect management of all the operative steps

You can be totally sure that the protocol is followed in an absolutely *correct way*, with a repeatable, consistent quality.

# MultiSteril Fast in detail

MultiSteril Fast features technology and innovation. We were the first in the world to develop this extraordinary device, and today we are the first to transform it into the fastest, safest and qualitatively best system available.



**Technology and quality...that you can see.**



# One step forward. Improved excellence.

The *MultiSteril* system has been tested to obtain the maximum efficiency in disinfection and cleansing. This extraordinary result can be reached with the use of **MultiSteril CD**, the specific liquid disinfectant which is an integral part of the product and the only liquid disinfectant specifically tested for this equipment. The use of other liquid disinfectants does not guarantee high levels of bacterial load reduction, proper instrument cleansing and good drying, besides safeguarding treated materials. Therefore, this tested liquid disinfectant is the only one recommended.



## One step beyond... a complete *Fast* system



# MultiSteril Fast

## The automatic process

Very simple to use



### 1 Static disinfection

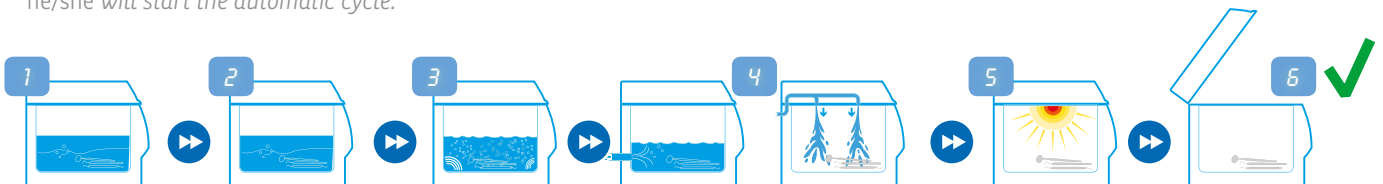
After switching on the machine, water and liquid disinfectant are automatically introduced, in preparation for *static disinfection*. The operator loads the basin with the used instruments, leaving them immersed in the liquid disinfectant. Only at the end of his/her working tasks, or when the basin is full, he/she will start the automatic cycle.

### 2 Thermal disinfection

The cycle will start by heating the liquid and further activating **MultiSteril CD** effectiveness, resulting in an *important reduction of the bacterial load*. MultiSteril CD is the only liquid disinfectant specifically tested for MultiSteril Fast.

### 3 Cleansing

At the end of the *thermal disinfection* step, the equipment automatically starts the *ultrasonic cleansing* step, obtaining excellent results thanks to the use of MultiSteril CD.



### 4 Rinsing

After the cleansing step, the liquid is automatically drained from the basin and the rinsing step is started, to remove any chemical residues remaining on the treated materials.

### 5 Drying

Following the rinsing step, drying is started, by *forced hot air convection*.

### 6 End of the process

The device emits an end-of-cycle acoustic signal. The instruments have undergone a correct cycle of preparation for sterilization and are ready for packaging.

# Complete supply

**Art. SVMA072**  
**Bur basket**  
**SUPPLIED**

**Art. SVMA069**  
**Instrument basket**  
**SUPPLIED**

**Art. VM801ZVM**  
**Holder for 2 surgical trays**  
(the code refers to the holder only)  
**OPTIONAL**

MultiSteril Fast only requires electrical and water supply connections. The device is already equipped with a special built-in container for the liquid disinfectant, which is automatically dosed by the device (at 1% concentration).

**MultiSteril Fast comes complete with accessories:**

- Stainless steel instrument basket
- Steel beaker for burs and other small instruments
- Connection tubes
- Basin filters

It can be supplied with a special tray holder for standard and surgical trays



## MultiSteril Fast is completely programmable

Temperature management from 20°C to 60°C

Ultrasonic cleansing time management

Liquid disinfectant percentage management (the concentration of our liquid disinfectant must be 1%)

Personalised adjustments

# Multisteril CD liquid disinfectant



The MultiSteril system has been tested to obtain the maximum efficiency in disinfection and cleansing. This extraordinary result can be reached with the use of **MultiSteril CD**, the specific liquid disinfectant which is an integral part of the product and the only liquid disinfectant specifically tested for this equipment. The use of other liquid disinfectants does not guarantee *high levels of bacterial load reduction, proper instrument cleansing and good drying*, besides safeguarding treated materials. Therefore, this tested liquid disinfectant is the only one recommended.

## MultiSteril CD

**Concentrated liquid disinfectant for dental/medical and precision rotary instrument cleansing and disinfection.** It does not fix proteins and has no aldehydes, phenols and quaternary ammonium compounds (QACs). The perfect combination for Multisteril Fast.

# A tested safety system.



## Tested effectiveness

From May to July 2014, the *Institute of Hygiene and Medical Microbiology of the Faculty of Medicine of the Technical University of Dresden* carried out technical and microbiological tests on the combined use of the Tecno-Gaz MultiSteril multifunction basin with liquid disinfectants belonging to the Tecno-Gaz Ctrl Alt line (MultiSteril CD). The tests have shown the effectiveness of instrument cleansing and disinfection with MultiSteril used in combination with MultiSteril CD according to the requirements established by *EN 15883*, a European standard which sets out the specific requirements for washers-disinfectors (*WDS*) designed to reach the disinfection level obtainable by means of thermal cleaning and disinfection.

## Multisteril

1 litre  
**SUPPLIED**



**Art. DM401ALP**  
Pack. with 6 x 1 litre bottles  
**OPTIONAL**

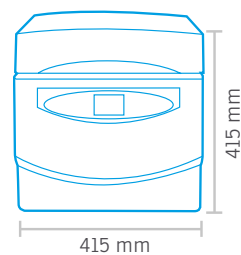
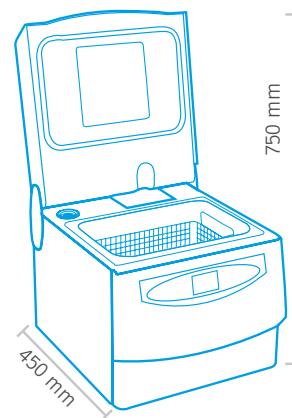


MultiSteril CD liquid disinfectant is sold packaged in 6 x 1 litre bottles.

# MultiSteril Fast

Technical data	MultiSteril Fast
<i>Width</i>	415 mm
<i>Height</i>	415 mm
<i>Height with lid open</i>	750 mm
<i>Depth with lid open</i>	530 mm
<i>Weight</i>	20 Kg
<i>Voltage</i>	220V~ - 50/60 Hz
<i>Power consumption</i>	1 kW

Basin dimensions	MultiSteril Fast
<i>Width</i>	332 mm
<i>Height</i>	120 mm
<i>Height with lid open</i>	227 mm



# Fast sterilisation



*Faster. More effective. Safer.*



1

MultiSteril Fast  
multifunction  
system

2

TecnoSeal  
thermosealer

3

Reduce overall sterilisation times and costs and get the highest certified quality with Tecno-Gaz integrated sterilisation system.

OnyxB  
autoclave

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AUTOMATIC CYCLE  
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