

3 models of **PICO** are available

## PICOstandard

Recommended for general surgery

Controlled, automated cleaning/disinfection is a preferred method with professional advantages over the 'hard to document' and hazardous 'washing by hand' currently used.

The Pico Standard 'table top' washer disinfector addresses new legislation brought about by the increased concern over transmissible spongiform encephalopathy, vCJD and other cross infection risks by 'flushing' (washing) the **outside** of instruments removing the biohazard and soil residues.

## PICOflush

Recommended for Dentists

Powerful flushing inside hollow or Lumened devices ensures that complex/critical instruments are free from soil residues inside and out.

## PICOpowerflush

Recommended for Ophthalmologists

Ultra fine Lumen devices such as Dental and Ophthalmic can only be reprocessed using controlled high pressure flushing and rinsing systems. The Pico Power flush, has been validated on 'high challenge' PCD's such as multi (3) lumen ophthalmic instruments where the outer diameter of device is less than 0.8mm.



## World Leaders in Advanced Surgical Instrument Reprocessing Technology

<b>PICOstandard</b>	Part # MED1159 (240v), MED1160 (110v)
<b>PICOflush</b>	Part # MED-D1159 (240v), MED-D1160 (110v)
<b>PICOpowerflush</b>	Part # MED-OP1159 (240v), MED-OP1160 (110v)

### Specification

Use	For washing and disinfection of general surgical and critical instruments. Devices processed in this machine must be able to withstand elevated disinfection temperatures		
Dimensions (approx):			
Internal	Front to Back:	410 mm (16.1 inches)	
	Width:	430 mm (16.9 inches)	
	Height:	310 mm (12.2 inches)	
	Wash Chamber Size:	52 Litres (13.6 US Gal)	
External	Front to Back:	490 mm (19.3 inches)	
	Width:	570 mm (22.4 inches)	
	Height:	440 mm (17.3 inches)	
Unit weight	30kg		
Electrical	220-250 volts, 50-60Hz 110-120 volts, 50-60Hz 5 Watts (Standby max) 1400 Watts (max)		
Water consumption	9 litre cycle (as standard)		
Water type	Integrated Water Softening System compatible with tap water, demineralise water, R/O water and deionised water		
Supply	Cold water 2 BAR (28 PSI) +/-0.2		
*To achieve optimum cleaning performance the cold water supply should not exceed 35°C. Good quality water should be used in accordance with current standards and recommendations for washer disinfectors.			
Construction			
	Outer Casing:	Epoxy coated steel	
	Internal Chamber:	Stainless Steel	
	Fascia:	Polycarbonate	
	Door:	various Thermoplastics with Stainless Steel inner panel	
Cycles	6 cycles factory programmed to customer requirements		
*Machines leaves the factory with relevant validation cycles as standard.			
Standard Warranty	One year including parts		

**Please note:**  
**PICO** Washer Disinfectors come complete with:  
1 off 2.4 metre Cold Water Hose  
1 off 2.4 metre Drain Hose  
1 off 2.0 metre Power Cord (connected)  
1 off User Manual

\* Specification subject to amendment and correct at time of going to print.

### Safety Measures/Technical

- Overflow/Flood protection system using pressure switch
- Electronically locking door to prevent opening during cycle
- Double Skin Viewing Window
- Fully Automatic Process
- LCD Auto Prompt Display
- One Touch Start
- Program Sequence Indicator
- Automatic Water Treatment System
- Stainless Steel Debris Filter
- Microprocessor Control
- Duplex Error Detection System
- Dual Temperature Monitoring
- Serial Printer Port
- Audible Warning Beeper
- Overflow Alarm
- Electronic Cycle Counter
- Automatic Water Treatment – Low-Level Alarm
- Internally Fuse Protected

### Environmental

- For indoor use only at altitudes up to 2,000m (6,500ft)
- Operating temperature (-5 to 40°C)
- Humidity 80% RH max  
Non condensing – for temperatures up to 31°C decreasing linearly to 50% RH at 40°C.

### References

HTM 2030 Washer Disinfectors  
NHS Model Engineering Specification C30 – Washer Disinfectors  
BS EN 2745 1993 Washer-disinfectors for medical purposes  
NHS Estates 'A' Protocol for Local Decontamination of Surgical Instruments' March 2001  
Health Service Circulars HSC 1999/178; HSC 1999/179; and HSC 2000/032  
Medical Devices Directive 93/42/EEC  
Robert Koch Institute

### Validated Performance Guaranteed Products

Pico-Printer	Part # MED1014
Pico-Printer PSU	Part # MED1015
Pico-RS232 Lead	Part # MED1030
Pico-Printer Roll Paper	Part # MED1014.1
Burr-Basket	Part # MED8106
Stainless Steel Power Flush Basket System	Part # MED8186
Stainless Steel Flush Basket System	Part # MED8187
Stainless Steel Standard Flush Basket System	Part # MED8188
Decono-Zyme Gel Packs (30ml each x 100 per pack)	Part # MED1000.10
AWT (Automated Water Treatment) (1 Litre)	Part # MED1000.09
AD2 (Alkaline Detergent) Sachets	Part # MED1000.39

### Decontamination Efficiency

- Interchangeable Instrument Basket
- Onboard Clock
- Removable Multi Nozzle Spray Wash Arm
- 99.9% or greater removal of blood and protein from instruments in less than 15 minutes
- Cleaning Chemical System
- Pre-loaded detergent dosing method
- Environmentally friendly, biodegradable detergent
- Easy access for user to add detergent and rinse aid
- Detergent compatible with Handpieces
- Detergent compatible with Instruments
- Wash Cycle typically 15 minutes
- Total Cycle 35 minutes including rinse and disinfection
- **Wash Arm** – a high efficiency Bi-directional Spray Arm. Parametric controlled flow system for ultra high cleaning efficiency
- **Handpiece Flushing System**  
High performance lumen handpiece instrument flush/cleaning and disinfection system



# PICO

**pico** – *comb. form* denoting a factor of 10<sup>-12</sup> (*picometre*, *picosecond*) little, tiny, petite, minuscule, **small**.

## Washer Disinfector

Validated 'Table-Top' decontamination to HTM2030 and EN ISO 15883 is now available for both general and critical instruments

- Compatible with:*
- Fast and efficient 15 minute cycle
  - Lo-cost and compact
  - Safe and reliable
  - General Instruments
  - Fine Lumen Instruments
  - Complex Instruments
  - Dental Handpieces
  - Phaco Handpieces

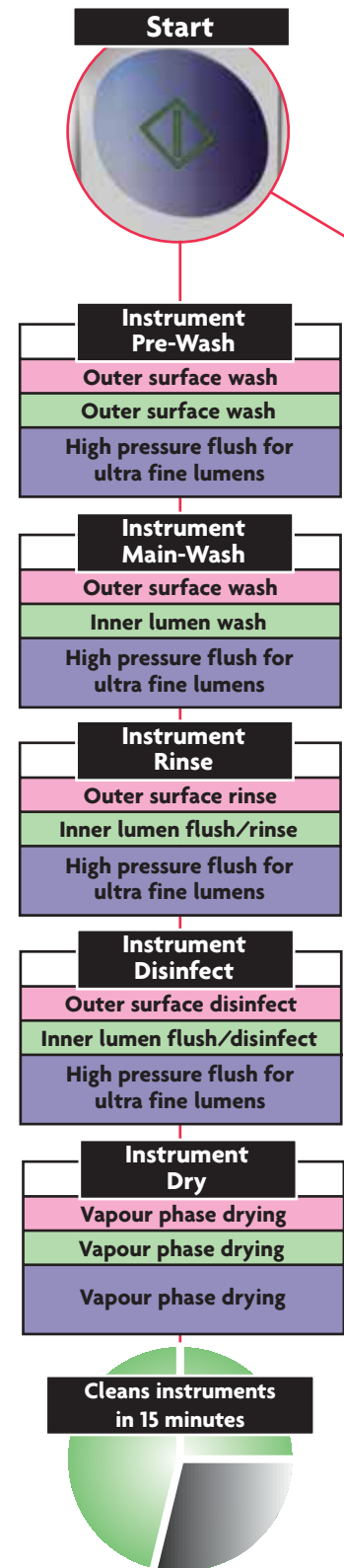




# PICO

## Washer Disinfector

At last ... staff and patient safety can be achieved at the touch of a button! Now available for **ALL** healthcare practitioners in a small low cost package about the size of a microwave oven.



### One Touch Safety and Simplicity

Simply load your surgical instruments, add the pre-measured Gel Pack dose of 'Decono-Zyme' (or AD2). Touch 'Start'... and... after the remarkably **fast 15-minute cycle** has completed, a reassuring beep lets you know that decontamination (Soil Residue Removal and High Level Disinfection) has been satisfactorily achieved.

**PICO standard**

**PICO flush**

**PICO powerflush**

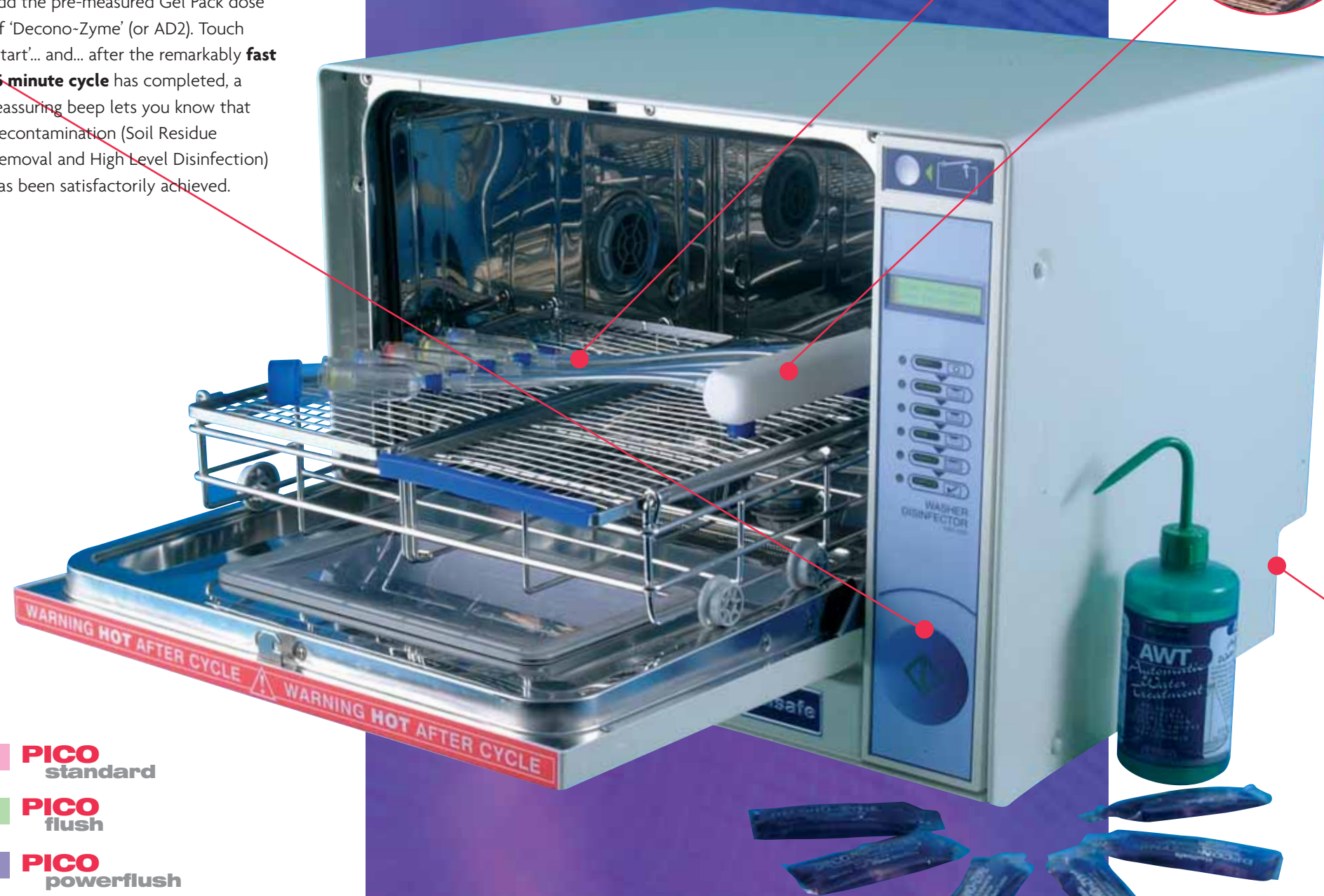
Shows additional features over and above the standard machine

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## A small Washer/Disinfector for general and lumened instruments



### Quick Connectors

A range of flexible 'quick connectors' are provided for fast easy connection to Lumened instruments with or without flush ports. These are available in both standard and high pressure variants and simply slide over the distal end of the instrument providing a luer connection for the machine to clean the inner parts of complex instruments.

### Space Saving Quick Connect System

Increase your instrument wash load by using the retrofit table 'quick connect system'. This innovative Pico attachment allows you to attach delicate Lumened/Cannulated and other complex medical devices whilst facilitating efficient use of space for reprocessing more instruments.

### Compatible with ICTMIMS Instrument Care Systems

The ICTMIMS Design concept is to provide an efficient yet easy to use instrument care/containment system that will allow safe instrument reprocessing and protection for delicate instruments throughout the entire decontamination process.

The ICTMIMS design also incorporates an innovative flushing accessory that allows plug in connection to narrow lumen devices and Phaco hand pieces alike. Simply place the instruments in the 'multi millipede' system - close the frame and place in the washer...

### Easy Installation

Quick connections with standard domestic fittings make installation effortless ... all you need is:

- 1 a standard cold water supply
- 2 a drain close by
- 3 a mains electricity outlet.

Note\* The manufacturers instructions for the installation and use should be observed in order to ensure the integrity of the process.



### Process Trace-ability with Print Out

In compliance with the requirements outlined in the UK's DOH circular - a small printer may be connected to the machine enabling the critical operation parameters and performance indicators to be permanently documented for record keeping and trace-ability.

As required with the larger hospital equipment, Medisafe's 'Pico' uses a secondary onboard monitoring computer circuit to ensure real-time (actual) critical operation parameters are recorded.

Accurate record keeping will give you long-term reassurance that your decontamination protocols are documented and adhered to.

### Guaranteed - Process Validation

The 'Pico' Washer/Disinfector has two separate circuits; these are used for controlling and monitoring the process.

The two circuits are 'sensing' circuits and are both accurate to  $\pm 1.2\%$ . The two signals (information) provided by these sensors are compared by a hybrid 'watchdog' circuit every 2 milliseconds (one quarter of a second) during the washing and disinfection phases.

If the 'watchdog' circuit detects a difference between the two, both audible and, 'on screen' alarms will be operated. If the machine is being used with a printer or traceability system, this message will be printed on the cycle process report (Print out). The Washer/Disinfector process will also be halted to allow immediate and corrective action if required.

In the event of ANY error in the process, the machine will require the operator/supervisor to intervene. By touching any control button (Door release or Start/Restart button) - the process will be halted and the machine will automatically drain whilst simultaneously 'audibly beeping' and displaying/printing 'Cycle abort'.

This unique system allows the operator to have knowledge of the true working conditions inside the wash chamber without huge investment in routine tests or test equipment.

### Pure - Water Quality

The 'Pico' Washer/Disinfector efficiently uses as little as 9 litres of water per cycle, and is compatible with most types of water including: Potable Water, Town Water, Tap Water, Demineralised Water, Deionised water and R/O Water.

Note\* Your local guidelines for the use of water in decontamination process should be observed as the use of poor quality water may effect the integrity of the decontamination.

### Efficiency - PCF System

The PCF system used on the 'Pico Flush' and 'Power Flush' models precisely control the propagation of unwanted 'wash foam' build-up while allowing sufficient contact time for both inner and outer lumen parts to be cleaned and decontaminated correctly.

### 'Prions' - Pico Alkaline Detergent 'AD2'

The 'Robert Koch Institute' recently issued a guideline that all ophthalmic instruments should be decontaminated using alkaline detergents of specific pH, as they have been proven to be very effective against prions and prion diseases such as vCJD. Medisafe AD2, is formulated to 'time release' dissolve as efficiently as it removes soil residues, bio films, soluble and insoluble protein residues found on surgical instruments.

### General Instrument - Decono-Zyme

'Decono-Zyme' is scientifically formulated for optimum cleaning performance whilst maximizing the cleaning efficiency of Medisafe's W/D. 'Decono-Zyme' Gel Packs are pre-measured (no guesswork) to contain the correct amount of viscous fluid (Gel) for one complete cycle. A single cycle dose (or Gel Pack) of 'Decono-Zyme' ensures that the precise quantity of additive is administered to each and every instrument decontamination cycle.

### Versatile - Automatic water treatment (AWT)

For hard water zones, Medisafe's 'on board' AWT system ingeniously injects a precise amount of 'water balance' formulation during each cycle to ensure that your water, regardless of hardness, is perfectly balanced to provide optimum cleaning and decontamination performance. An integrated alarm will notify you when the built in reservoir needs replenishing.

- AWT should also be used when using AD2 alkaline detergent to provide neutralisation of the wash process
- AWT also acts as a rinse and allows instruments to be processed more efficiently.

# H2O

## PCF system

**PASSED**

