

Medisafe

®

Complex Surgical Instrument Reprocessing

World Leaders in Hi-Tech Surgical Reprocessing Solutions



Sonic Irrigators & Ultrasonics
Sonic Washer Disinfectors / Washer Disinfectors
Complex Instrument Care & Handling
Detergents & Accessories
Point of Use Preparation

Why Medisafe?

- Pioneered Sonic Irrigation over 30 years ago.
- Over 10,000 units installed globally.
- Designed and manufactured in the UK.
- World's first and only ultrasonic washer disinfecter for the EndoWirst instruments.
- Recognised by the world's leading surgical instrument manufacturers such as da Vinci surgery, Wolf, Storz, Conmed, Stryker and BOSS.

Medisafe's Sonic Irrigator series reduces the need for manual brushing and flushing of instruments, reducing the risk of cross contamination to the CSSD personal and increasing patient safety. Designed and manufactured to meet all national and international decontamination standards this innovative equipment will help to improve productivity within the CSSD by reducing manual handling of potentially contaminated surgical instruments.



This brochure is intended as a guide.

Specifications and technical information are correct at time of going to print, but manufacturers have the right to change the specifications without notice.

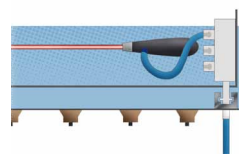
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Sonic Irrigation – how does it work and why is it required?

By modulating ultrasonic sonic waves onto a controlled jet of fluid, an effective cleaning process is achieved on both the inside and the outside of each surgical instrument. The combination of ultrasonic technology and controlled irrigation are of vital importance when cleaning modern complex lumen/ cannulated surgical instruments.

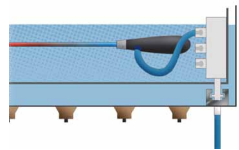
Thorough cleaning of surgical instruments requires mechanical action (sonics), water and suitable detergent. The absence of any one of these parameters in any cleaning process will lead to an unsatisfactory cleaning result. Flushing the inside of a lumen instrument alone will not produce the required mechanical action to assist in the removal of dried on bio-burden and soil. Equally, ultrasonics alone will only be effective on lumen devices if the air within the device is displaced and replaced with water and detergent. Ultrasonic activity needs a liquid to be effective as ultrasonic cavitation cannot occur when only air is present.

Medisafe's controlled irrigation system also facilitates the rapid removal of any soil/bio-burden that has been lifted from the instruments inner surface. Only when you combine controlled irrigation with efficient ultrasonic activity, can you successfully and consistently remove debris from the inner / irregular surfaces, channels and lumens of instrument used within modern complex surgery.



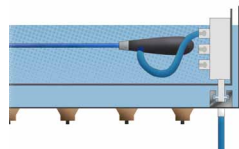
1. Sonic Irrigation™ – Energy for Cleaning

A unique and patented process allows a sonically charged jet of fluid to pass along the inside of hollow instruments. This ensures that your instruments are exposed to ultrasonic cleaning and a pulsed flushing or turbulent wash on all surfaces, interior and exterior.



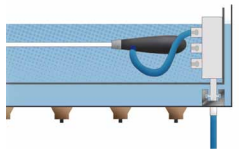
2. Detergent – Chemicals for Cleaning

The detergent/cleaning solution is delivered under pressure to the inside of the instrument. All air pockets are removed ensuring the cleaning solution can make contact with all surfaces and therefore facilitating the removal of all soil and bio-burden.



3. Rinsing - Deep Clean

The inside of the instruments are exposed to pre wash, wash, disinfection and rinse fluids. This is also delivered under pressure ensuring that even the most complex instruments can be processed in the PCF.



4. Disinfection - Inside & Out

Sonic Irrigation™ helps to reach the parts other washers can't reach - both inside and out!

Key - Sonic Irrigation Icons

All our Washer Disinfectors have unique elements, the keys are below.

Sonic Irrigation: Combination of controlled irrigation and sonics to facilitate inner lumen cleaning.

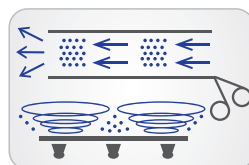
Lumen Flush: Controlled irrigation of cleaning solution through the lumen.

Power Flush: High pressure irrigation to facilitate cleaning through complex lumens.

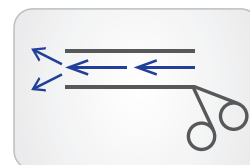
Deluge Wash: Powerful overhead spray of temperature controlled water to aid the removal of blood and other residues from the external surfaces of the instrument.

Thermal Disinfection: Final rinse at elevated temperature to thermally disinfect the surgical instrument.

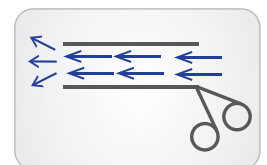
Time: All pre-set programmes are validated to ensure the correct amount of process exposure time is adhered to each and every cycle.



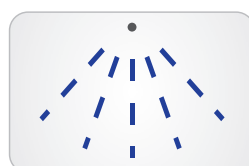
Sonic Irrigation



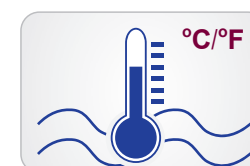
Lumen Flush



Power Flush



Deluge Wash



Thermal Disinfection

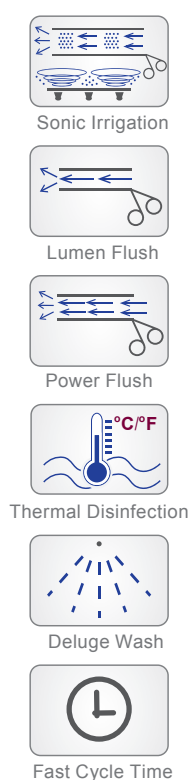


Fast Cycle Time

SI PCF

High Pressure Sonic Irrigation Washer Disinfectors

The Sonic Irrigator PCF will clean and disinfect 20+ lumen instruments in a single uninterrupted cycle. The instrument reprocessing workstation can be used as a standalone unit, twin or multiple wash station. The SI PCF System ~ parametrically controls the flow through the lumen devices optimising both mechanical and chemical cleaning action inside the cannula while simultaneously controlling the propagation of unwanted wash foam build up.



The inline **Thermal Disinfection System** is used to raise the temperature of the water in the rinse phase following both internationally recognised time temperature relationships and the A0 calculation. The PCF System ensures all surfaces internal and external are exposed and are disinfected almost regardless of their length or bore.

Unlike conventional washers, the Sonic Irrigator PCF delivers an exceptionally high pressure of wash fluid to the lumened instrument or device. Both the CPE™ (Cannulated Pulse Enhancement) and “**Power Flush**” systems have been scientifically tested to remove 92% of soluble residues in the first 20 seconds of the pre-wash phase, and the remainder of insoluble residues in the main wash phase.

Benefits & features include:

- Sonic Irrigation™
- Easy control: touch screen interface
- Thermal disinfection (A0 3000)*
- Instrument manufacturer approved
- 20+ cannulated instruments
- Water utilisation program
- Traceability system compatibility
- CFPP 0101/EN ISO 15883 compliant (US)
- AAMI TIR 30 & 12 compliant
- High volume throughput
- Automatic locking lid
- WRAS Compliant



Machine Specification

Use: For internal and external cleaning of fine surgical instruments and other lumen instruments

Dimensions (external):

Height: 1005mm (39.5in)

Width: 850mm (33.46in)

Depth: 650mm (25.5in)

Unit weight: 137kg with accessories

Capacity:

20+ MIS Instruments, 10 EndoWrist Instruments, General Surgical Instruments

Electrical:

220-230V AC 50Hz or 60Hz

200-240V AC 50Hz or 60Hz (3PH)

380-415V AC 50Hz or 60Hz (3N+PE)

Electrical Power: 5kW (1 PH), 15kW (3 PH)

Water Supply: Softened cold and hot water (Option for DI or RO water)

Environmental: For indoor use at altitudes up to 1750m.

Operating temperature: 10-40 °C.

Humidity: 80% for temperature up to 31 °C decreasing to 50% at 40°C. Designed for pollution degree 2, i.e. not totally sealed.

Construction: High grade corrosion resistant stainless steel with brushed finish

*Only on the 3 phase versions – MED11120 & MED11132

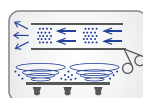
Order #	MED11100 - Phase 1
	MED11120 - Phase 3
	MED11132 - Phase 3 - da Vinci

SI SA

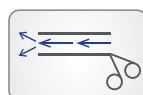
The World's First & Original Sonic Irrigator with Automatic Fill on Detergent Dosing

With thousands of machines installed globally the Sonic Irrigator Semi-Automatic has proven its ability to clean 12 cannulated instruments in a single uninterrupted cycle. It offers automatic cannulated instrument cleaning. The machine will fill, dose, flush and empty at the touch of a button making this system versatile and easy to use.

In the water utilisation mode the machine will fill and run the cleaning cycle automatically with auto detergent dosing, irrigation and ultrasonics. At the end of cycle water can be drained automatically when acknowledged by user or reused if required. The SI SA has twin CPE irrigation systems offering a higher lumen flushing capacity and throughput over conventional ultrasonic cleaners.



Sonic Irrigation



Lumen Flush



Fast Cycle Time

Benefits & features include:

- Sonic Irrigation™
- Easy control: touch screen interface
- Twin cannulated pulse flush system
- Sonic Load performance optimisation
- Independent process monitoring output
- EN ISO 15883/CFPP 0101 compliant
- High volume throughput
- Water utilisation program
- Process Interlock
- 12 cannulated instruments connections
- WRAS Compliant

Machine Specification

Use: For internal and external cleaning of fine surgical instruments and other lumen instruments

Dimensions (external):

Height: 400mm (15.74")

Width: 720mm (28.34")

Depth: 570mm (22.44")

Unit weight: 38kg with accessories

Capacity:

12 cannulated instruments (max), General Surgical Instruments

Electrical Supply:

220 - 230 Vac 50Hz or 60Hz

110 - 120 Vac 50Hz or 60Hz

Electrical Power: 2KW

Water Supply: Softened cold and hot water.

Environmental: For indoor use at altitudes up to 1750m.

Operating temperature: 10-40 °C.

Humidity:

80% for temperature up to 31 °C decreasing to 50% at 40 °C.

Designed for pollution degree 2, i.e. not totally sealed.

Construction: High grade corrosion resistant stainless steel with brushed finish

Sonic Irrigator SA comes complete with:

1 x 2 metre Hot Water Hose, 1 x 2 metre Cold Water Hose, 1 x 2 metre Drain Hose, 1 x 1 metre Overflow Hose, Chemical intake tube, User Manual, SI SA Basket, Instrument Organiser, Irrigation Plumbing Kit, Data Lead.

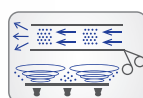
Order # MED11150 - 240V 50Hz

SI Digital PC⁺

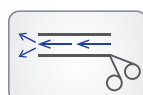
The World's First & Original Sonic Irrigator

The Sonic Irrigator Digital PC⁺ gives consistent and unequalled cleaning results every time you use it! The SI Digital PC⁺ offers Sonic Irrigation with CPE (Cannulated Pulse Flushing System) but with the addition of monitoring features to record key performance data for instrument traceability.

Critical process parameters such as time, temperature and ultrasonic power are monitored in accordance with current guidance and international standards and can be recorded permanently through a discreetly placed 'data-port' which intelligently detects whether you wish to keep the information on a database system, or simply connect a printer for 'hard-copy' print out for 'traceability' and legislative issues.



Sonic Irrigation



Lumen Flush



Fast Cycle Time

Benefits & features include:

- Sonic Irrigation™
- Easy control: touch screen interface
- Cannulated Pulse Flushing System
- Load performance optimisation
- EN ISO 15883/CFPP 0101 compliant
- E-Zee Load Tray System compatibility
- Process Interlock
- 12 cannulated instruments connections
- Pre settable process times

Machine Specification

Use: For internal and external cleaning of fine surgical instruments and other lumen instruments

Dimensions (external):

Height: 345mm (13.5")

Width: 715mm + drain 40mm (28" + 1.5")

Depth: 445mm (17.5")

Unit weight: 30kg (66lbs) empty

Capacity:

12 cannulated instruments (max), General Surgical Instrument compatible

Electrical Supply:

110~120v, 50-60Hz

220~250v, 50-60Hz

Electrical Power:

5 Watts (standby)

1200 Watts (in use)

1800 Watts (max)

Supply: Manual supply, not automatic

Environmental: For indoor use at altitudes up to 2000m.

Operating temp: 10°C to 40°C.

Humidity: 80% RH max for temperatures up to 31°C, decreasing linearly to 50% RH at 40°C. Designed for Pollution Degree 2, i.e. not totally sealed.

Construction: Outer Casing: High grade corrosion resistant stainless steel with brushed finish.

Sonic Irrigator comes 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), Data Lead, User Manual

Order #

MED1132

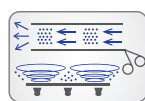
Niagara SI PCF

High Pressure Ultra Sonic Lumen Flushing for the World's most complex Instruments

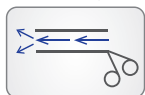


This high capacity system with outstanding performance simplifies daily processes, dramatically reduces cleaning time, (process 144 complex lumened instruments in as little as 29 minutes), increases staff safety, productivity and saves on overall reprocessing costs. This versatile system is designed to meet the growing demands in today's Sterile Reprocessing Departments. The Niagara SI PCF has a built in ultrasonic chamber for Sonic Irrigation cleaning of 48 lumen or 20 da Vinci instruments. The Niagara SI PCF is tested and validated for da Vinci instruments.

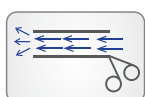
Robotic Instruments, Endotherapy Instruments, Endowrist® Instruments, Da Vinci® Instruments, Ultra Complex Instruments, Incisionless Surgery Instruments, General Instruments.



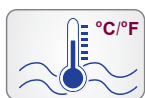
Sonic Irrigation



Lumen Flush



Power Flush



Thermal Disinfection



Deluge Wash



Fast Cycle Time

Benefits & features include:

- da Vinci™ approved
- Automatic Instrument soak
- Automatic Instrument priming
- High Pressure Lumen Flushing
- Lumen air purge
- Combined ultrasonic processing
- Up to 144 Lumen instruments
- Sonic Irrigation
- Forced air Lumen drying
- Variable heating options
- Tested by over 40 instrument manufacturers
- Full traceability system compatibility

Machine Specification

Use: For internal and external cleaning of general surgical instruments and lumen instruments, bowls and accessories.

Dimensions (external):

Height: 2350mm (86.7in)
Width: 1150mm (45.3in)
Depth: 1087mm (42.8in)

Capacity:

15 DIN Tray/ baskets

Electrical Supply:

380-415Vac 50Hz (3N+PE)

380-415Vac 60Hz (3N+PE)

208-220Vac 60Hz

Electrical Power: 5kW (1 PH), 15kW (3 PH)

Water Supply: Softened cold and hot water (Option for DI or RO water)

Air Supply: 5.5 -7 bar

Environmental: For indoor use at altitudes up to 2000m.

Operating temperature: 10°C to 40°C.

Humidity: 80% RH max for temperatures up to 31°C, decreasing linearly to 50% RH at 40°C. Designed for pollution degree 2, i.e. not totally sealed.

Construction: High grade corrosion resistant stainless steel with a brushed finish.



MED1440 - 380 - 415V 50Hz Electrical
MED1406 - 380 - 415V 60Hz Electrical
MED1412 - 200V 60Hz Electrical

MED1442 - 380 - 415V 50Hz Steam/Electric
MED1447 - 380 - 415V 60Hz Steam/Electric
MED1459 - 380 - 415V 50Hz Full Steam
MED1460 - 380 - 415V 60Hz Full Steam

Niagara SI Ultrasonic

Pressure Flushing for Narrow Lumen Devices

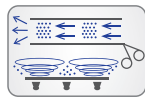
The Niagara SI Ultrasonic offers an exceptionally fast process for both complex and general instrumentation. Its unique delivery system ensures high pressure fluid is fed to each and every lumen instrument, while the unique combination of **Sonic Irrigation™** and conventional washing coupled with our **Pulsed Flush™** system achieve an exceptionally high standard of cleaning.

Validated to reprocess:

Complex Instruments, Laparoscopic Instruments, Ophthalmic Instruments, Neuro Instruments, Orthopaedic instruments, general instruments and anaesthesia instruments

Benefits & features include:

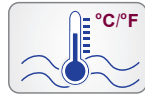
- High volume W/D
- 29 min cycle to ISO 15883
- 29 min cycle to CFPP 0101
- Sonic Irrigation
- Up to 144 lumen instruments
- Lumen air purge
- Ultrasonic cleaning
- Space and time saving no pre cleaning cycle required



Sonic Irrigation



Lumen Flush



Thermal Disinfection



Deluge Wash



Fast Cycle Time



Machine Specification

Use: For internal and external cleaning of general surgical instruments and lumen instruments, bowls and accessories.

Dimensions External:

Height: 2350mm (86.7in)
Width: 1150mm (45.3in)
Depth: 1087mm (42.8in)

Capacity:

15 DIN Trays/ baskets

Electrical:

380-415Vac 50Hz (3N+PE)

380-415Vac 60Hz (3N+PE)

208-220Vac 60Hz

Electrical Power: 5kW (1 PH), 15kW (3 PH)

Water Supply: Softened cold and hot water (Option for DI or RO water)

Air Supply: 5.5 -7 bar

Environmental: For indoor use at altitudes up to 2000m.

Operating temperature: 10°C to 40°C.

Humidity: 80% RH max for temperatures up to 31°C, decreasing linearly to 50% RH at 40°C. Designed for pollution degree 2, i.e. not totally sealed.

Construction: High grade corrosion resistant stainless steel with a brushed finish.

Niagara Express

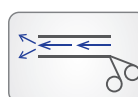
Large Capacity Washer Disinfector for Hospitals & Surgical Centres



Niagara express is an exceptionally fast washer disinfector; achieving a <29minute cycle for the washing, disinfection and drying of up to 15 DIN baskets of instruments, 30 pairs of operating theatre shoes, sterile containers or anesthesia accessories.

Niagara express saves time and money by allowing greater through put of instruments in less time, but more importantly, without having to make wholesale logistical changes to your CSSD. Niagara express simply fits where your old, slow washer disinfector once stood!

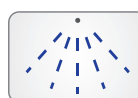
Same space, same number of washers, Twice the through put!



Lumen Flush



Thermal Disinfection



Deluge Wash



Fast Cycle Time

Benefits & features include:

- 29 min W/D cycle
- ISO 15883 compliant
- Selectable A0 value
- Pulsed lumen flushing
- 144 lumen instruments
- Intelligent load recognition
- Full traceability
- Twin Turbo™ variflow low temp drying
- Full range of accessories
- Optional steam/electric
- Multi carrier systems
- Ultra fast chamber fill/empty

Machine Specification

Use: For internal and external cleaning of fine surgical instruments and other lumen instruments

Dimensions (external):

Height: 2350mm (86.7in)

Width: 1150mm (45.3in)

Depth: 1087mm (42.8in)

Capacity - 5 Level Standard Carrier:

20 baskets

10 Full DIN baskets

10 Half DIN baskets

Electrical Supply:

380-415Vac 50Hz (3N+PE)

380-415Vac 60Hz (3N+PE)

208-220Vac 60Hz

Electrical Power: 5kW (1 PH), 15kW (3 PH)

Water Supply: Softened cold and hot water (Option for DI or RO water)

Air Supply: 5.5 -7 bar

Environmental: For indoor use at altitudes up to 2000m.

Operating temperature: 10°C to 40°C.

Humidity: 80% RH max for temperatures up to 31°C, decreasing linearly to 50% RH at 40°C. Designed for pollution degree 2, i.e. not totally sealed.

Construction: High grade corrosion resistant stainless steel with a brushed finish.



MED1445 - 380 - 415V 50Hz Electrical
MED1446 - 380 - 415V 60Hz Electrical
MED1412 - 208-220V 60Hz Electrical

Niagara Nano

Medium Sized Washer Disinfector for Clinics and Surgical Centres

The Niagara Nano washer disinfector allows for exceptionally fast reprocessing of general surgical and dental instruments. With up to 20 selectable programmes, full traceability and ultra-low power consumption this machine will save you time and space.

Use: Double door pass through (single door optional) washer disinfector designed for high volume throughput of general surgical and dental instruments.

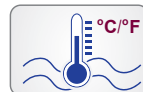
Efficiency: The unique application of heat transfer technology and sophisticated control systems, coupled with thermodynamic modelling, give the Niagara Nano an ultra-efficient, quick cycle time.

Flexible carrier: System to suit all your reprocessing requirements.

Large Capacity: Up to 8 Full DIN trays or 16 Half DIN trays.

Benefits & features include:

- Fast cycle time
- Up to 20 selectable programmes
- 8 Full DIN
- Full traceability output
- ISO 15883 - 1 & 2 compliant
- Energy efficient low temperature drying
- Full range of accessories
- Flexible carrier system
- Hot, Cold & RO water connections
- Single and double door options



Thermal Disinfection



Deluge Wash



Fast Cycle Time



Machine Specification

Use: For the cleaning of surgical instruments.

Dimensions External:

Height: 1735mm (68.307in)

Width: 690mm (27.165in)

Depth: 730mm (28.740in)

Unit weight: 137kg with accessories

Capacity:

8 full DIN trays/baskets

Electrical Supply:

220-230V AC 50Hz or 60Hz

200-240V AC 50Hz or 60Hz (3PH)

380-415V AC 50Hz or 60Hz (3N+PE)

Electrical Power: 5kW (1 PH), 15kW (3 PH)

Water Supply: Softened cold and hot water (Option for DI or RO water)

Environmental: For indoor use at altitudes up to 1750m.

Operating temperature: 10-40 °C.

Humidity: 80% for temperature up to 31 °C decreasing to 50% at 40°C.

Designed for pollution degree 2, i.e. not totally sealed.

Construction: High grade corrosion resistant stainless steel with brushed finish

Order #

MED1650 – 415V 50Hz Phase 1 - Single door
 MED1652 – 415V 50Hz Phase 3 - Single door
 MED1651 – 415V 50Hz Phase 1 - Double door
 MED1653 – 415V 50Hz Phase 3 - Double door

da Vinci Basket for SI PCF (EndoWrist® SI Instruments)

The SI PCF offers an efficient and convenient way to reprocess up to 10 EndoWrist® instruments simultaneously, through Medisafe's SI PCF dedicated da Vinci cycle. The specially designed SI PCF da Vinci System Basket can accommodate up to 10 EndoWrist® instruments.

Instrument Capacity: 10
EndoWrist Instruments

Height:	Depth:	Width:
5.7"	13.4"	27.6"

Order

MED8600 - da Vinci Drop+Lock

MED8570 - da Vinci Slide+Lock



da Vinci Xi Basket for SI PCF (EndoWrist® Xi Instruments)

The specially designed SI PCF da Vinci System Basket can accommodate up to 6 Xi instruments. The use of extra baskets can increase departmental efficiency, allowing one basket to be prepared, while a second one is being reprocessed and a third is being unloaded. Use with SI PCF Series.

Instrument Capacity: 6
Xi Instruments

Height:	Depth:	Width:
5.7"	13.4"	27.6"

Order

M18960 - da Vinci Xi Basket



da Vinci Basket for SI PCF (EndoWrist® Single Site Instruments)

Instrument Capacity: 5
Single Site Instruments

Designed to hold up to 5 da Vinci Single Site Instruments.
Easy to load and secures instruments.
Use with SI PCF Series.

Height:	Depth:	Width:
5.7"	13.4"	27.6"

Order

MED8604 - da Vinci SSI Drop + Lock

M20028A - da Vinci SSI Tubing (USM: 5)



SI PCF Maxi Rinse Carrier

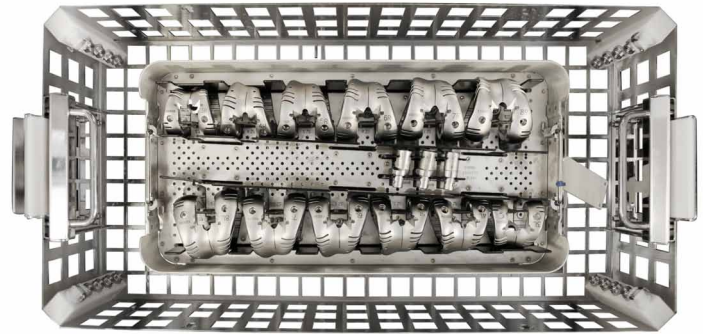
A new carrier specifically designed to help you clean orthopaedic and other heavily soiled instruments more effectively.

- Designed for solid and lumen instruments
- 16 highly efficient spray nozzles for maximum load penetration
- Combined pressure of 4 bar for efficient soil removal
- 120° wide spray coverage for large loads
- Large capacity : no requirement to unload DIN baskets

Height:	Depth:	Width:
4.4"	13.4"	27.6"

Order

MED8603 - PCF Maxi Rinse Carrier



The new design is also compatible with our “load’n’lock” system, making the loading and unloading of the basket easier than ever!

SI SA Basket

Use the specially designed SI SA load basket to improve your instrument processing time and get more from your Sonic Irrigator.

Height:	Depth:	Width:
5.7"	13.4"	27.6"

Order

MED1018.1 - SI PC⁺ basket

MED11221 - SISA basket



SI Digital PC⁺ Basket

Use the specially designed SI Digital PC⁺ load baskets to improve your instrument processing time and get more from your Sonic Irrigator cannulated instrument cleaner.

Height:	Depth:	Width:
5.7"	13.4"	27.6"

Order

MED1018.1 - SI PC⁺ basket



Carrier Assembly with 2 Flush Manifolds

Instrument Capacity: 12
Lumen instruments

For reprocessing lumen instruments. Contains 2 flushing manifolds to allow connections for 12 lumen instruments.

Use with Niagara Series.

Height:	Depth:	Width:
2.4"	9.8"	18.9"



Order #

MED1499 - Carrier Assembly

Half/Full DIN Tray Standard

Use with Niagara, SI PCF, Nano and other general instrument Washer Disinfectors. Half Full DIN basket for general instrument reprocessing requirements. Universal application for all Washer Disinfectors.

Half DIN

Height:	Depth:	Width:
2.4"	9.8"	9.4"

Full DIN

Height:	Depth:	Width:
2.4"	9.8"	18.9"



Order #

M20043 - Half DIN
M20044 - Full DIN

1.5 DIN Tray with Flush Accessory

For reprocessing lumen instruments. Contains instrument organiser and flushing manifold. Use with Niagara Series.

Up to 18 Connections for MIS instruments + 4 hose/luer irrigation ports, Exchangeable port connections to accommodate different instrument types / sizes, 316 Stainless Steel. Use with Niagara.

Height:	Depth:	Width:
2.4"	9.8"	28.1"

Order #

MED1425 - 1/2 DIN Tray



da Vinci basket for Niagara SI PCF

Instrument Capacity: 5

For transporting and reprocessing EndoWrist® instruments used on the da Vinci robotic system – use with Niagara Si PCF and da Vinci carrier (MED1426). Secure system for transporting and reprocessing expensive robotic instruments. Easy to load, lightweight, autoclavable Stainless Steel.

Order #

MED1540 - da Vinci Car-

Height:	Depth:	Width:
4.1"	9.8"	18.9"



da Vinci Carrier for Niagara SI PCF

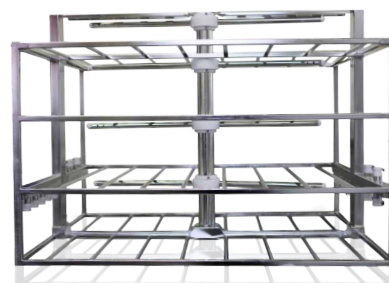
Instrument Capacity: 10
EndoWrist® instruments

Connects up to 2 da Vinci baskets (MED1540) for simultaneous reprocessing of 10 EndoWrist® instruments in a single cycle, 4/3 multi use levels, removable top level, simultaneous counter rotation to optimise cleaning efficiency.

Order #

MED1426- Niagara Carrier

Height:	Depth:	Width:
22.4"	30.7"	23.4"



EndoWrist® Carrier for Niagara SI PCF

Instrument Capacity: 20
EndoWrist® instruments

Designed to hold up to 20 EndoWrist® instruments used on the da Vinci robotic system. Easy to load and secures instruments in place during reprocessing. Additional capacity for 9 full din baskets. Simultaneous counter rotating spray arms to maximise cleaning efficiency and Stainless Steel construction.

Order #

MED1455 - Niagara Carrier

Height:	Depth:	Width:
22.4"	30.7"	23.4"



5 Level Variable Carrier for Niagara Series

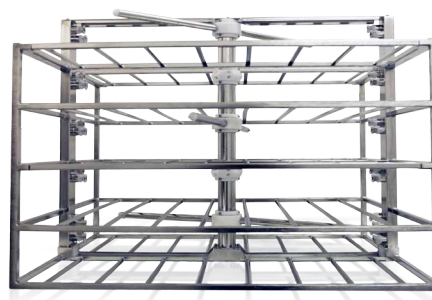
Instrument Capacity: 12 DIN

Allows one carrier to be multi- use. Easy removal of shelves turns a 5 level carrier into a 3 level carrier allowing for the reprocessing of instrument loads of increased height. 5/3 level variable, 15 DIN capacity, simultaneous counter rotating spray arms to maximise cleaning efficiency, 316 Stainless Steel.

Order #

MED1437 - 5 Level Carrier

Height:	Depth:	Width:
22.4"	30.7"	23.4"



Anaesthesia Carrier for Niagara Series

Instrument Capacity: 16 tubes

Easy to load carrier with up to 16 anaesthesia hoses and 2 x DIN and 2 x ½ DIN Capacity.

Multi-functional to allow for mixed length hoses, balloons and masks to be reprocessed simultaneously.

Order

MED1415 - Anaesthesia Carrier

Height:	Depth:	Width:
22.4"	30.7"	23.4"



Carrier for 4 DIN containers For Niagara Series

Container Capacity: 4 DIN / 8 1/2 DIN

Up to 4 DIN or 8 x ½ DIN containers can be easily loaded plus the addition of associated lids and accessories.

Simultaneous counter rotation of spinners to maximise cleaning efficiency, flexibility to combine full or half size container, automatic programme recognition, Stainless Steel construction.

Order

MED1450 - 4 DIN Carrier System

Height:	Depth:	Width:
22.4"	30.7"	23.4"



Niagara Trolley - Standard

Use to safely and quickly load carriers into the Niagara. Height of trolley can be manually adjusted so that loading/unloading can be carried out at suitable working height.

Order

MED1405 - Niagara Trolley

Height:	Depth:	Width:
43.1"	28"	42"



Niagara Trolley - Adjustable Height

Use to safely and quickly load carriers into the Niagara. Height can be automatically adjusted to accommodate uneven floors. The trolley can be adjusted so that loading/unloading can be carried out at suitable working height thanks to the unique lifting system. The trolley is exceptionally easy to clean and disinfect.

Order

MED1423- Niagara Trolley

Height:	Depth:	Width:
25.1"	17.5"	28.2"



The ICTMIMS Care System is designed to protect your instruments throughout the reprocessing cycle until “point of use”. After usage the instruments can be returned again to the Care System to minimise potential damage to instruments during transit.

Washing, disinfection and sterilization efficiency is improved over conventional trays and baskets with large open areas for greater efficiencies during the wash process and disinfection cycles.

Optho Standard (Without flushing accessory)

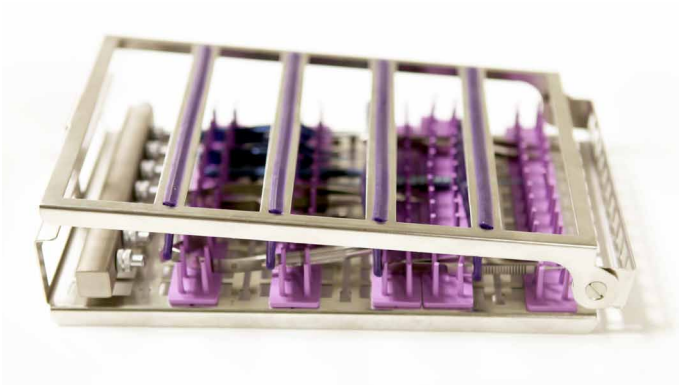
order# MED 9000

Optho Single (With single 7 port flushing accessory)

order# MED 9011

Optho Double (With double 7 port flushing accessory)

order# MED 9012



Height:	Depth:	Width:
1.7"	6.3"	10.2"

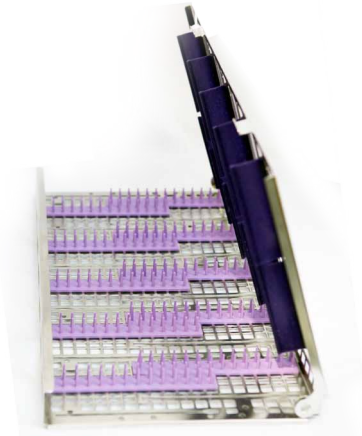
Full Size ICTMIMS Clam Shell

Comes with millipede and pressure ball mouldings as shown.
Add optional Flushing Manifold - MED9007

Height:	Depth:	Width:
1.7"	18.9"	9.8"

Order #

MED1437 - 5 Level Carrier



Half Size ICTMIMS Clam Shell

Comes with millipede and pressure ball mouldings as shown.
Add optional Flushing Manifold - MED9007

Height:	Depth:	Width:
1.7"	9.4"	9.8"

Order #

MED1437 - 5 Level Carrier



Flushing Manifold

Supplied complete with silicone and hose and connection.
For use with MED9003 & MED9004

Order #

MED9007- Flushing manifold



Plumbing Kit

Standard phaco plumbing kit.
Supplied complete with components shown.
For use with all Ophtho, Half & Full sizes

Order #

MED9013- Phaco plumbing kit



Flow Closing / Blanking Plugs

Supplied complete with silicone and hose and connection.
For use with MED9003 & MED9004

Order # MED 9014



Millipede Moulding Replacement

Supplied as shown

Order # MED 9013



Single/Double Pressure Ball Strip Replacement

Single ball strip - 9 inches length (3.28 ft)
Double ball strip - 39 inches length (3.28 ft)

Order #

MED 8163 - Single ball strip
MED8159 - Double ball strip

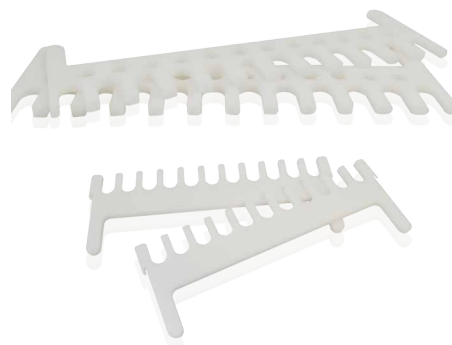


Instrument Organisers

Use the instrument organisers to arrange the load in the most efficient manner

Order

MED3072- SI Digital
MED8165- SI SA
MED8564- SI PCF



Distal Connectors

USM:10

Easy connection of lumen instruments that do not have a luer lock/slip luer port – suitable for use with all SI Series machines.

Order

MED1246.1.0 - Red 1mm Distal Connectors
MED1246.3.0 - Blue 5mm Distal Connectors
MED1246.2.0 - Yellow 8mm Distal Connectors
MED1246.4.0 - Green 12mm Distal Connectors



Small Distal Connectors

USM:10

Small Distal Connectors allows you to connect fine, delicate, complex or non-ported instruments to a flush system to allow irrigation of the internal parts. Suitable for use with all SI Series machines

Order

MED5003 - Red 1mm
MED5013 - Blue 5mm
MED5023 - Yellow 8mm
MED5043 - Assorted



Single Manifold - Clip over Manifold

Single flushing manifold to connect lumen instruments to reprocessing baskets.

Flushing manifold with 6 connecting points for lumen instruments.
For use with the Niagara Series.

Order

MED1497 - Single Manifold



Medi-Logger

Electronic data storage for paperless traceability. Medi-Logger is an electronic device that records cycle information from Medisafe equipment. This cycle information is encrypted and directly stored on SD memory card. The encrypted data is then transferred to computer via USB card reader and then can be downloaded and viewed by using Medi-Logger software.

Order

M20070- Medi-Logger



Medi-Printer

Connect to Medisafe equipment to aid decontamination traceability. For monitoring and documenting all operational functions and parameters. High speed serial port. Thermal printer paper is sold in an economical 3 pack.

Order

MED1014- Medi-Printer
MED1014.1-Printer rolls



Hose and Luer

Connect lumen instruments to the flushing manifold directly or with distal connectors – suitable for use on all SI Series machines.

Order

MED9020 - for SI SA and SI Digital PC+
MED20005 - for SI PCF



Medisafe Detergents

Medisafe's portfolio of machine and instrument-friendly detergents are suitable for soaking baked-on debris, pre-washing, ultrasonic cleaning, deluge washing, surface cleaning, tunnel washing, endoscope processing & more.



3E - Zyme

Shelf Life: 2 years

Our triple enzymatic, concentrated cleaning solution has been specially formulated with three active enzymes to effectively clean even the most difficult cannulated / lumen instruments. Low foaming 3E-Zyme works great in a variety of cleaning situations such as presoaking instruments in ultrasonic cleaning units, tunnel washing and/or endoscope reprocessing units, pH neutral, biodegradable and environmentally friendly. Will not harm metals, glass, rubber tubing or plastics.

Order # MED8035 - 4L, MED8010 - 5L, MED8037 - 10L



4 Zyme

Shelf Life: 2 years

Enhanced enzymatic detergent containing a low temp protease that allows for cleaning of instruments at low temperatures (less than 25deg C). 4-Zyme uses a combination of four high performance enzymes. These are fully effective against and digest all residues and deposits normally found on surgical instruments and apparatus including proteins, lipids, carbohydrates and mucopolysaccharides.

Order # MED8019 - 4L, MED8020 - 5L, MED8021 - 10L



Ezee-Lube

Shelf Life: 2 years

Rust inhibitor and lubricant for surgical instruments. Ezee-Lube is a rust inhibitor and lubricant for surgical instruments. It is mixed with water to create a dip bath used for instrument soaking. Dip surgical instruments routinely in Ezee-Lube before sterilizing. Ezee-Lube maintains lubrication and retains sharpness on all instruments after autoclaving, especially those with hinged or moving parts.

Order # MED8032 - 4L, MED8036 - 10L



EDA+

Shelf Life: 2 years

Enzyme Detergent Alkaline + is a low foaming surgical instrument cleaner and pre-soak concentrate for use with manual cleaning, washer disinfectors and ultrasonic cleaners. It's mild alkaline content is safe for use with delicate instruments. EDA+ will remove all blood, fat, carbohydrates, starches and protein.

Order # MED7700 - 5L, MED7701 - 10L, MED7702 - 20L



Duck Bag™ (Humidity Pack)

- No addition of water required: bags ready for immediate use
- Prevents gross bioburden from drying on instrument

The Medisafe Duck Bag™ is a pre-moistened instrument bag, designed to maintain a safe and sealed humid environment for contaminated instruments. It can be used for the following applications: Domiciliary care, Out of hours emergencies, overnight and weekends and as a pre-soak if waiting for a full load (w/d).

Order

M20350 - Half DIN (16.5" wide 16.9" deep)
M20351 - Full DIN (16.5" wide 26.4" deep)
M20352 - Double DIN 25.2" wide 29.9" deep)



Distal Duck Kit

- For use with da Vinci robotic instruments Can also be used with other complex instruments
- Retains moisture around distal tips – easy cleaning
- Use as instrument soaker between point of use (OR) and reprocessing (CS)
- Distal Duck is also an instrument protector
- Includes syringe and solution for rear flush port
- Includes Duck Bag™ keeps whole instrument moist during transport
- Quick and convenient to use

As recommended by leading surgical instrument manufacturers, keeping instruments moist immediately after use is a critical first step to effective "point of use preparation", safe transport and subsequent decontamination.

Order

M20400 - 1x Point of use preparation kit



Distal Tip Soaker

- Suitable for all instruments Check with instrument manufacturer's IFU's
- 4 Active Enzymes - works at room temperature
- pH Neutral - non-corrosive
- Safe, quick and convenient use
- No more pre-soaking in CS

Use the Medisafe Distal Tip Soaker to keep complex instruments moist after use. The effective 4-Zyme Pre-soaking solution is safe for use with all complex surgical instruments, pH neutral (non corrosive), residual free and safe for instrument transportation.

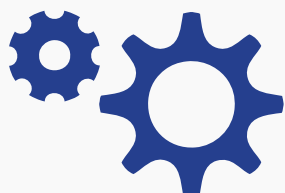
Order

M20413 - 250 Vials



Service, Spare Parts & Training

Medisafe's outstanding assistance in servicing, spare parts and training is exceptional, we offer a range of packages including:



Maintenance & Preventative Maintenance

As with all technical precision equipment your Medisafe machine requires regular maintenance. As such we provide contracts for:

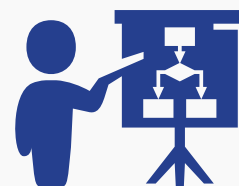
- Niagara series
- SI PCF Workstation
- SI SA
- Si Digital and SI Digital PC+
- Dentasonic / Reliance Digital
- Pico washer-disinfector series
- Pico Clave
- Euronda Autoclave



Validation & Calibration

It is necessary to carry out the calibration and validation to comply with UK and European protocol, but also to ensure your Medisafe equipment operates safely and accurately. We undertake work to the following standards:

- CFPP 01-01
- WHTM 01-01
- HTM 0105
- HTM 2010
- HTM 2030
- EN ISO 15883



Support

Medisafe provides genuine spare parts and the training is exceptional, we offer a range of support options:

Genuine Spare Parts, including:

- Perishable/Maintenance components
- Critical components
- Modifications and Upgrades
- Service Packs – This has all the parts that are required to be replaced annually
- Technical Training – all-inclusive training packages for our growing global distributor network and installation sites.
- Engineering Services

To talk through your needs, please contact the below:

International Spares & Technical Training

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UK Hospital Service

T: +44 (0) 1279 858 443

E: jevans@medisafeinternational.com

UK Spares, Technical Training & Dental Service

T: +44 (0) 1279 858 417

E: kchohan@medisafeinternational.com

Technical Support and repairs

T: +44 (0) 1279 858 400

E: service@medisafeinternational.com

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www.medisafeinternational.com

Want to see our machines in action?

Please head to: **www.youtube.com/medisafeint**

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