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 disinfector for the EndoWrist 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 personnel 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.

Our Values

Customers First - Always
Our Customer is the most important person in our business, to be treated with the utmost respect. No business activity, other than safety, is more important than listening, learning and providing superior product and service solutions to our Customers.

People - The Foundation
We are committed to the safety and success of our people. We expect the performance of every person to continually improve with personal initiative and proper support. We treat each other with mutual respect and have fun in our work.

Innovation - The Best
We are leaders not followers. Our company is built on a collection of innovative ideas and a passion for continuous improvement. We challenge the status quo and take measured risks, exploring big and small ideas that improve our quality, delivery and cost performance daily. We provide meaningful value to our Customers with our product and service solutions.

Teamwork – Winning Together
We believe unity of purpose and teamwork enables us to do far more than we could individually. We draw strength from each other and communicate with fairness, candor, respect and courage – respectfully stating what we think even if it is unpopular. Our collaboration turns interesting ideas into great product and service solutions.

Accountability - Right Now
We say what we mean and we honor our commitments. We hold ourselves and each other accountable for our results. We prefer action today versus tomorrow. We understand that value is created in our product development centers, our factories and at our Customer’s sites.

Integrity - Stewardship Commitment
We are stewards of the long-term success of our business – we create superior value for our people and our shareholders. We are trustworthy and honest, and carry out our work in a professional, ethical and legal manner. We challenge actions inconsistent with our values.

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.
List of Contents

- Sonic Irrigation, how it works? ................................................................. 3
- Introduction to the ‘S’ Series ..................................................................... 3
- Sonic Irrigation Icons .............................................................................. 4
- Sonic Irrigation Icons Machines ............................................................. 5
  - Reliance PC+ & SI Digital PC+ ............................................................... 5
  - SI SA ‘S’ & SI PCF ‘S’ ........................................................................ 6
  - PCF Pro ............................................................................................... 7
  - Niagara SI Ultrasonic & Niagara SI PCF .............................................. 8

- Instrument Handling & Accessories ....................................................... 9-26
  - Baskets ............................................................................................... 9-16
  - Carriers & Trolleys ............................................................................ 16-18
  - Hose & Luers ..................................................................................... 19-22
  - Machine Accessories ......................................................................... 23-24
  - ICTMIMS Accessories ..................................................................... 25-26

- Point of Use Preparation ........................................................................ 27
  - Duck Range ........................................................................................ 27

- Detergents .............................................................................................. 28
  - 3E-Zyme, 4 Zyme, EDA +, Ezee-Lube .................................................. 28

- Accessories ........................................................................................... 29
  - Data storage & printer ....................................................................... 29

- Service, Spare Parts & Training ............................................................... 30

- Notes ........................................................................................................ 31-32

- Fold Out Information
  - Machines Technical Information
  - Basket Connection Guide
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.

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 and outside of the instruments are thoroughly rinsed to ensure soil and bio-burden and detergent is removed. This is also delivered under pressure ensuring that even the most complex instruments can be processed.

4. Disinfection - Inside & Out

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

‘S’ Series Sonic Irrigation Washers

Medisafe’s New Generation ‘S’ Series sonic irrigators

The legacy range of Medisafe PCF and the New ‘S’ Series surpasses cleaning requirements for cannulated and da Vinci™ EndoWrist instruments. With an enhanced sonic generator and reflectasonic transducer tank ensuring 100% coverage of the wash chamber, which enhances the performance and gives greater cleaning capacity. The ‘S’ Series has a new touch screen interface with animation technology and user-friendly control system, with multi programmable cycle parameters. The ‘S’ Series has first class technology offering peace of mind and confidence with superior cleaning.
Key - Sonic Irrigation Icons

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

- **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.
- **Fast Cycle Time**: All pre-set programmes are validated to ensure the correct amount of process exposure time is adhered to each and every cycle.
- **Enhanced Sonic Generator**: Combination of controlled irrigation and sonics to facilitate inner lumen cleaning. Providing side sweep technology to ensure 100% coverage of wash chamber and greater cleaning performance.
- **Reflectasonic**: Wash chamber coating maximising extra-long service life and less absorbent to ultrasonic sound waves causing a ‘reflection’ thus vastly improving the cleaning activity and reducing the risk of dead spots when combined with the new enhanced digital sonic generator.
- **USB Port Connectivity**: Reprocessing data is stored in the machines internal memory. The integrated data port can be used to download these cycle records to a USB flash drive for traceability. (Available on ‘S’ Series & PCF PRO)
- **Touch Screen / Animated Graphic Interface**: Designed with user friendliness as paramount with an easy to use touch screen interface, animation and colour screen, allowing the user to have greater process visibility within a busy CSSD department.
- **Automatic Fill & Detergent Process**: Automatically fills the tank with water and adds the right amount of detergent all from a touch of a button.
Reliance PC+

Table Top Ultrasonic Cleaner 5L to 20L

The Reliance PC+ is an entry-level ultrasonic that offers an effective cleaning solution to non-lumen surgical instruments. An easy-to-use machine that accommodates different loads without a reduction in power or efficiency.

Key Benefits & Features:
- Effective decontamination
- HTM 01-05 & HTM01/01 compliant
- Easy-to-use
- Intelligent and flexible system
- Optimum cleaning efficiency
- Long life for your instruments
- Available in 3 different litre capacities
- Load performance optimisation
- Fast 3 minute cycle time

Order #

MED1119PC - 5L 230 Vac 50/60Hz
MED1120PC - 10L 230 Vac 50/60Hz
MED1121PC - 10L 110 Vac 50/60Hz
MED1124PC - 20L 230 Vac 50/60Hz
MED1124PC - 20L 110 Vac 50/60Hz

For dimensions please refer to the machine specification at the back.

SI Digital PC+

Sonic Irrigator

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

Key Benefits & Features:
- Sonic Irrigation™
- 27L tank total capacity
- Process up to 12 cannulated instruments
- Easy control: touch button interface
- E-Zee load tray system compatibility
- Process Interlock lid
- CPE® (Cannulated Pulse Enhancement)
- Load performance optimisation
- Pre settable process time / temperature
- HTM 01-01 / EN ISO 15883 compliant

In-surface version available - please ask

Order #

MED11132 - 240 Vac 50Hz
MED11132.1 - 110 Vac 60Hz
MED11132.2 - 240 Vac 60Hz
SI SA ‘S’
New Generation Sonic Irrigator with Automatic Fill & Detergent Dosing

The New SI SA ‘S’ offers automatic cleaning for up to 12 cannulated instruments, within a 15 minute uninterrupted cycle. The SI SA ‘S’ will fill, dose, flush and empty at the touch of a button, making this system versatile and easy to use.

Key Benefits & Features:
- New touch screen & animation technology
- Enhanced sonic generator
- New user friendly control system
- USB port connectivity
- 39L tank total capacity
- Process up to 12 cannulated instruments
- New drop and lock basket docking system
- Process Interlocked lid
- Automatic fill & detergent process
- Water re-utilisation program
- Traceability system compatibility
- HTM 01-01 / EN ISO 15883 compliant

Order #
MED11150 S - 220-240 Vac-50Hz
MED11152 S - 220-240 Vac-60Hz
MED11160 S - 100-127 Vac-60Hz
MED11161 S - 100-127 Vac-50Hz

SI PCF ‘S’
New Generation Sonic Irrigator Washer Disinfector

The New High Powered SI PCF ‘S’ will clean and disinfect up to 40 lumen instruments in a single uninterrupted cycle.

Key Benefits & Features:
- Thermal disinfection (A=3000)
- da Vinci family compatible
- Achieve less than 5ug protein residual in a single cycle
- New touch screen & animation technology
- Enhanced sonic generator
- Reflectasonic chamber – extra-long service life
- New user-friendly control system
- USB port connectivity
- 72L tank total capacity
- Process up to 40 cannulated instruments
- Security bar with automatic locking lid
- Water re-utilisation program
- Traceability system compatibility
- HTM 01-01 / EN ISO 15883 compliant²
- AAMI TIR 30 & 12 compliant

Order #
MED11110 S - 200-230 Vac-60Hz
MED11100 S - 200-230 Vac-50Hz
MED11121 S - 200-230 Vac-50Hz
MED11122 S - 380-415 Vac-50Hz
MED11120 S - 380-415 Vac-60Hz
MED11123 S - 380-415 Vac-60Hz
MED11130 S - 200-230 Vac-50Hz
MED11131 S - 200-230 Vac-60Hz
MED11132 S - 380-415 Vac-50Hz
MED11133 S - 380-415 Vac-60Hz

MEDISAFE CAPITAL CATALOGUE V 2.0
T: +44 (0)1279 461641  W: www.medisafeinternational.com
PCF PRO

Intelligent Thermal Disinfecting Sonic Irrigator

High capacity, 60 instrument Sonic Irrigator system. The PCF Pro exceeds cleaning requirements and achieves less than 5ug protein residual in a single uninterrupted cycle.

The PCF Pro is the world's largest, high powered instrument capacity sonic irrigator incorporating thermal disinfection, designed to be extremely versatile with specific cycles and accessories to accommodate delicate ophthalmic instruments through to robust orthopaedic loads.

Key Benefits & Features:

- Process up to 60 lumen / 24 Si da Vinci & 18 Xi da Vinci instruments with high pressure sonic irrigation
- Intuitive Load - automatic basket lifting and lowering system
- Fully approved process; pre-wash, wash, rinse and thermal disinfection with soft shot air purge for drying lumens
- Reflectasonic chamber – extra-long service life.

Order #
MED11180 - PCF PRO 60
Niagara SI Ultrasonic
Pressure Flushing for Narrow Lumen Devices

The Niagara SI Ultrasonic offers an exceptionally fast process for both complex and general instrumentation.

Key Benefits & Features:
- High volume washer disinfector
- 29 min cycle time
- HTM 01-01 / EN ISO 15883 compliant
- Sonic irrigation
- Up to 144 lumen instruments
- Soft Shot - lumen air purge
- Ultrasonic cleaning
- Space and time saving no pre cleaning cycle required

Order #
- MED1400 - 380 - 415 Vac 50Hz EH¹, ED²
- MED1401 - 380 - 415 Vac 60Hz EH1, ED²
- MED1444 - 415 Vac 50Hz SH¹, ED²
- MED1441 - 415 Vac 50Hz SH¹, ED²

¹EH - Electrical heating ²ED - Electrical Drying ³SH - Steam Heated

Niagara SI PCF
High Pressure Ultra Sonic Lumen Flushing for the World’s most complex Instruments

High Pressure Ultrasonic Lumen Flushing for the World’s most complex Instruments.

Key Benefits & Features:
- da Vinci™ approved
- Automatic Instrument soak
- Automatic Instrument priming
- High Pressure Lumen Flushing
- Soft Shot - 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

Order #
- MED1440 - 380 - 415 Vac 50Hz - EH¹, ED²
- MED1406 - 380 - 415 Vac 60Hz - EH¹, ED²
- MED1412 - 208 Vac 60Hz - EH¹, ED²
- MED1442 - 380 - 415 Vac 50Hz - SH¹, ED²
Instrument Handling - Baskets

**SI Digital PC+ Basket**
- Specially designed basket for the SI Digital PC+
- Use with general, cannulated & lumen instruments

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**Order #**

- MED1018.1 - Basket & Hose Set
- MP22203 - Complete Standard Hose and Luer Pack of 6 SI SA / SI SA ‘S’ / SI Digital PC+

**Standard Basket & Hose Set SI SA**
- Specially designed basket for the SI SA only
- Use with general, cannulated & lumen instruments

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**Order #**

- MP21853 - Basket & Hose Set

**Standard Basket & Hose Set SI SA ‘S’**
- Specially designed basket for the SI SA ‘S’ only
- New basket docking system - ‘drop lock’ design
- Use with general, cannulated & lumen instruments

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**Order #**

- MP21854 - Basket & Hose Set
- MP22203 - Complete Standard Hose & Luer Pack of 6 SI SA / SI SA S
### Standard Basket & Hose Set for SI PCF / SI PCF ‘S’
- Specially designed basket for the SI PCF / SI PCF ‘S’
- No loss of pressure - direct connection to flushing system
- Dual instrument flushing with 4 manifolds
- Up to 40 general, cannulated & lumen instruments

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**Order #**

MP21832 - Basket & Hose Set  
MP22183 - Standard Hose & Luer Pack of 20 SI PCF / SI PCF ‘S’

### da Vinci Si Basket & Hose set for SI PCF / SI PCF ‘S’
- Specially designed basket for the SI PCF / SI PCF ‘S’
- Can accommodate up to 10 Si EndoWrist instruments

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**Order #**

MP22062 - Basket & Hose Set  
M20066 - da Vinci Si Complete Hose and Luer Pack of 10 SI PCF/ SI PCF ‘S’

### da Vinci Si Multi Basket & Hose set for SI PCF / SI PCF ‘S’
- All in one multi-use basket compatible with Si 8mm, Si Single Site and Si Stapler
- Specially designed basket for the SI PCF / SI PCF ‘S’
- Up to 10 ISI instruments

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**Order #**

MP21833 - Basket & Hose Set  
MP22202 - da Vinci Si Multi Complete Hose & Luer pack of 10 SI PCF / SI PCF ‘S’
**Instrument Handling - Baskets**

**da Vinci Xi Multi Basket & Hose Set for SI PCF / SI PCF ‘S’**
- Specially designed basket for the SI PCF / SI PCF ‘S’
- Can accommodate 6 Xi EndoWrists or 4 Xi EndoWrists & 2 Xi Staplers

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**Maxi Rinse Basket for SI PCF / SI PCF ‘S’**
- Specifically designed for orthopedic and other heavily soiled instruments
- 16 spray nozzles for maximum load penetration
- Combined pressure of 4 bar for efficient soil removal
- 120° wide spray coverage for large loads
- The basket also has the capacity to fit up to 4kg of instruments (loose or in baskets)

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**Standard Basket & Hose Set PCF PRO**
- Specially designed for the PCF Pro which comes with 3 baskets
- Each basket can accommodate up to 20 lumen instruments

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**Special Handling - Baskets**

**Instrument Capacity:**
- 6 x Xi EndoWrists instruments

**Order #**
- MP21104 - Basket & Hose Set
- MP21152 - da Vinci Xi Complete Hose and Luer Pack of 6

**Order #**
- MED8603 - Basket Only

**Order #**
- MP21852 - Basket & Hose Set
- MP21846 - Complete Standard Hose & Luer Pack of 20
**da Vinci Si Multi Basket & Flush Nozzle Set PCF PRO**

- All in one multi-use basket compatible with Si, Si Single Site and Si Stapler
- Specially designed basket for the PCF PRO
- Can accommodate 8 Si instruments or 6 Si instruments & 2 Si Staplers

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**Order #**

MP21907 - Basket & Hose Set  
MP22168 - da Vinci Si Multi Complete Hose, Luer & Nozzles Set PCF PRO

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**da Vinci Xi Multi Basket & Hose Set PCF PRO**

- All in one multi-use basket compatible with Xi EndoWrists & Xi Staples
- Can accommodate 6 Xi EndoWrists or 4 Xi EndoWrists & 2 Xi Staplers

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**Order #**

MP21906 - Basket & Hose Set  
MP22018 - da Vinci Xi Complete Hose and Luer Pack of 6 PCF PRO

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**da Vinci Xi Basket & Hose Set PCF PRO**

- Specially designed for the PCF Pro
- Can accommodate 6 Xi EndoWrists

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**Order #**

MP22036 - Basket & Hose Set  
MP22018 - da Vinci Xi Complete Hose and Luer Pack of 6 PCF PRO
Instrument Handling - Baskets

**Full DIN Basket Standard**
- For use with Medisafe Niagara, PCF Pro and other general instrument Washer Disinfectors
- Full DIN sized basket for general instrument reprocessing requirements

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Order #
- M20044 - Full DIN Basket

**Half DIN Basket Standard**
- For use with Medisafe Niagara, PCF Pro and other general instrument Washer Disinfectors
- Half DIN sized basket for general instrument reprocessing requirements

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Order #
- M20043 - Half DIN Basket

**Basket Assembly Inc. 2 off Manifold Assemblies & Hose set Niagara**
- Compatible with lumen instruments
- Connects up to 12 general, cannulated & lumen instruments
- For use with the carrier (MED1437) and Niagara Series

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Order #
- MP21841 - Basket & Hose Set
- MP22222 - Complete Standard Hose & Luer Pack of 12 Niagara
1.5 Din Basket with Flush Accessory & Hose set

- Compatible with various types and sizes of lumen instruments
- Includes instrument organiser and flushing manifold
- Connects up to 18 Minimally Invasive Surgery (MIS) instruments with exchangeable port connections
- For use with the carrier (MED1437) and Niagara Series

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Order #

MED1425 - Basket & Hose Set  
MP22243 - Complete Flush Accessories & Hose Set Niagara

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da Vinci Si Basket 5 Arms & Hose set Niagara

- A basket specifically designed for transporting and reprocessing 5 x Si 8mm EndoWrist instruments
- A wire basket designed with a hinged lid, lightweight and autoclavable
- For use with the carrier (MED1455 or MED1426) and Niagara SI PCF

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Order #

MP21838 - Basket & Hose Set  
MP22212 - da Vinci Si Complete Hose & Luer Pack of 5 Niagara

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da Vinci Si Stapler Basket & Hose Set Niagara

- A basket specifically designed for transporting and reprocessing Si stapler instruments. For use with the Niagara Series.
- Can accommodate 2 Si Stapler instruments
- Designed with a lock lid
- For use with Malmo carrier (MED1426) and Niagara SI PCF

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<tr>
<td>External</td>
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<tr>
<td>Internal</td>
<td>104mm</td>
<td>146mm</td>
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Order #

MP21839 - Basket & Hose Set  
MP22216 - da Vinci Si Stapler Complete Hose & Luer pack of 2 Niagara
**Instrument Handling - Baskets**

### da Vinci XI 8mm Wire Basket & Hose Set For 5 Standard Instruments Niagara

**Instrument Capacity:**
5 x Xi 8mm instruments

- A basket specifically designed for transporting and reprocessing 5 Xi standard instruments
- A wire basket designed with a hinged lid
- For use with Malmo carrier (MED1426) and Niagara SI PCF

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<tr>
<td>Internal</td>
<td>60mm</td>
<td>240mm</td>
<td>655mm</td>
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</table>

**Order #**

MP21837 - Basket & Hose Set  
MP21133 - da Vinci XI Complete Hose and Luer Pack of 5 Niagara

### da Vinci XI 8mm Basket & Hose Set For 5 Standard Instruments Niagara

**Instrument Capacity:**
5 x Xi 8mm instruments

- A basket specifically designed for transporting and reprocessing Xi 8mm instruments. For use with the Niagara Series.
- Can accommodate 5 Xi 8mm instruments
- A sheet metal basket designed with a lock lid
- For use with Malmo carrier (MED1426) and Niagara SI PCF

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<tr>
<td>Internal</td>
<td>104mm</td>
<td>236mm</td>
<td>676mm</td>
</tr>
</tbody>
</table>

**Order #**

MED1542 - Basket & Hose Set  
MP20966.5 - da Vinci XI 8mm Complete Hose and Luer Pack of 5 Niagara

### da Vinci XI Wire Basket & Hose Set For 3 Standard / 2 Stapler Instruments Niagara

**Instrument Capacity:**
3 x Xi / 2 x Xi Stapler instruments

- A basket specifically designed for transporting and reprocessing 3 Xi standard / 2 Xi Stapler instruments
- Designed with a hinged lid, lightweight and autoclavable
- For use with Malmo carrier (MED1426) and Niagara SI PCF

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<td>240mm</td>
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</table>

**Order #**

MP21836 - Basket & Hose Set  
MP21133 - da Vinci XI Complete Hose and Luer Pack of 5 Niagara
**Instrument Handling - Baskets / Carriers**

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### da Vinci Xi Stapler Basket & Hose Set Niagara

- A basket specifically designed for transporting and reprocessing Xi stapler instruments.
- Can accommodate 2 Xi stapler instruments
- Designed with a lock lid
- For use with Malmo carrier (MED1426) and Niagara SI PCF

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<td>Internal</td>
<td>104mm</td>
<td>97mm</td>
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**Order #**

- MP21840 - Basket & Hose Set
- MP22217 - da Vinci Xi Stapler Complete Hose & Luer Pack of 2 Niagara

---

### 5/3 Level Variable Carrier for Niagara Series

- Multi-use carrier
- 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
- Additional capacity for 15 DIN baskets
- Simultaneous counter rotating spray arms to maximise cleaning efficiency, 316 Stainless Steel

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**Order #**

- MED1437 - 5/3 Level Carrier

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### 4/2 Level Carrier for Niagara Series

- Multi-use carrier
- Easy removal of shelves turns a 4-level carrier into a 2-level carrier allowing for the reprocessing of instrument loads of increased height
- 12 Din basket capacity with automatic carrier recognition
- Simultaneous counter rotation to optimise cleaning efficiency, 316 Stainless Steel

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<td>780mm</td>
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**Order #**

- MED1427- 4/2 Niagara Carrier

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Instrument Handling - Carriers

**Instrument Capacity:** 20 EndoWrist® instruments

**da Vinci Si 8mm Carrier for Niagara SI PCF**

- 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

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<td>559mm</td>
<td>595mm</td>
<td>780mm</td>
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</table>

**Basket Loading Spaces**

1. 112mm
2. 273mm
3. 146mm
4. 254mm
5. 251mm

**4 DIN Containers Carrier for Niagara Series**

- Up to 4 Full DIN or 8 x Half DIN containers can be easily loaded plus the addition of associated lids and accessories
- Simultaneous counter rotation of spinners to maximise cleaning efficiency
- Automatic programme recognition, Stainless Steel construction

**Order #**

MED1450 - 4 DIN Carrier System

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**Anaesthesia Carrier for Niagara Series**

- Easy to load carrier with up to 16 anaesthesia hoses
- 2 x Full DIN and 2 x Half DIN basket capacity
- Multi-functional to allow for mixed length hoses, balloons and masks to be reprocessed simultaneously

**Order #**

MED1415 - Anaesthesia Carrier

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**Container Capacity:** 4 DIN / 8 1/2 DIN

**MED1415 - Anaesthesia Carrier**

- Easy to load carrier with up to 16 anaesthesia hoses
- 2 x Full DIN and 2 x Half DIN basket capacity
- Multi-functional to allow for mixed length hoses, balloons and masks to be reprocessed simultaneously

**Order #**

MED1415 - Anaesthesia Carrier

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**da Vinci Malmo Carrier for Niagara SI PCF**

- Accommodates up to 2 da Vinci baskets for 10 EndoWrist instruments, these baskets are specifically designed to protect the instruments during all reprocessing stages and also to be transported back to the OR, with choices of Xi, Xi Stapler, Si Stapler and Si EndoWrists.
- 4/3 multi use levels with removable top level
- Simultaneous counter rotation to optimise cleaning efficiency

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<td>593mm</td>
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</table>

**Basket Loading Spaces**

1. 74mm
2. 118mm
3. 118mm
4. 124mm
5. 223mm

**Niagara Trolley - Standard**

- 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

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<td>709mm</td>
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**Niagara Trolley - Adjustable Height**

- Safely and quickly load carriers into the Niagara
- Height of trolley can be automatically adjusted to accommodate uneven floors
- The trolley is exceptionally easy to clean and disinfect

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<td>480mm - 780mm</td>
<td>985mm</td>
<td>685mm</td>
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Medisafe hoses & luers allow for smooth, secure connection to the flush port on the instrument housing, ensuring delivery of the cleaning solution and high pressure water flow to the device lumen.

**SI SA / SI SA ‘S’ & SI Digital PC+ Hose & Luer**
- This hose is for use in the Medisafe SI SA / SI SA ‘S’ and SI Digital PC+ washers only
- The luer lock is compatible with many instruments and Medisafe’s Distal Connectors

**Order #**
MP22203 - Complete Standard Hose and Luer Pack of 6 SI SA / SI SA ‘S’ / SI Digital PC+

**Standard Hose & Luer Pack of 20 SI PCF / SI PCF ‘S’**
- This hose is for use in the Medisafe SI PCF / SI PCF ‘S’ washers
- The luer lock is compatible with many instruments and Medisafe’s Distal Connectors

**Order #**
MP22183 - Standard Hose & Luer Pack of 20 SI PCF / SI PCF ‘S’

**Y-Connector Hose & Luer Pack of 20 SI PCF / SI PCF ‘S’**
- The Y connector for the SI PCF / SI PCF ‘S’ will double the number of instruments that can be reprocessed at one time.

**Order #**
MP22199 - Y-Connector Hose & Luer Pack of 20 SI PCF / SI PCF ‘S’
**da Vinci SI Multi Complete Hose & Luer pack SI PCF / SI PCF ‘S’**

- This hose is for use in the Medisafe SI PCF series only
- This hose is for use with ISI da Vinci instruments only
- The slip luer is compatible with the da Vinci SI, SS & Si instruments only

**Order #**

MP22202 - da Vinci Si Multi Complete Hose & Luer pack SI PCF / SI PCF ‘S’

Various pack sizes and variations are available - please ask

**da Vinci Si Stapler Flush Adaptor**

**da Vinci Single Site Hose and Luer**

---

**da Vinci Xi Complete Hose and Luer Pack of 6 SI PCF / SI PCF ‘S’**

- This hose is for use in the Medisafe SI PCF series only
- This hose is for use with ISI da Vinci instruments only
- The luer is compatible with the da Vinci Xi instruments only

**Order #**

MP21152 - da Vinci Xi Complete Hose and Luer Pack of 6 SI PCF / SI PCF ‘S’

**da Vinci Xi Complete Hose and Luer Pack of 6 SI PCF / SI PCF ‘S’**

- This hose is for use in the Medisafe SI PCF series only
- This hose is for use with ISI da Vinci instruments only
- The luer is compatible with the da Vinci Xi instruments only

**Order #**

MP22018 - da Vinci Xi Complete Hose and Luer Pack of 6 PCF PRO

Can connect Xi EndoWrist & Xi Staplers

**Complete Standard Hose & Luer Pack of 20 PCF PRO**

- This hose is for use in the Medisafe PCF Pro only
- Can connect different instrument types / sizes

**Order #**

MP21846 - Complete Standard Hose & Luer Pack of 20 PCF PRO

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**da Vinci Xi Complete Hose and Luer Pack of 6 PCF PRO**

- This hose is for use in the Medisafe PCF Pro only
- Can connect Xi EndoWrist & Xi Staplers

**Order #**

MP22018 - da Vinci Xi Complete Hose and Luer Pack of 6 PCF PRO
**Hose & Luer**

**Complete Flush Accessories & Hose Set Niagara**
- This hose is for use in the Niagara 1.5 Din basket
- Can connect different instrument types / sizes

Order #

MP22243 - Complete Flush Accessories & Hose Set Niagara

Various pack sizes and variations are available - please ask

**Complete Standard Hose & Luer Pack of 12 Niagara**
- This hose is for use in the Medisafe Niagara washers
- The luer lock is compatible with many instruments and Medisafe’s Distal Connectors

Order #

MP22222 - Complete Standard Hose & Luer Pack of 12 Niagara

**da Vinci Si Complete Hose & Luer Pack of 5 Niagara**
- This hose easily connects to da Vinci Si EndoWrist® instruments

Order #

MP22212 - da Vinci Si Complete Hose & Luer Pack of 5 Niagara

**da Vinci Si Multi Complete Hose, Luers & Nozzles Set PCF PRO**
- This hose is for use in the Medisafe PCF Pro only
- Can connect Si instruments & Si Staplers

Order #

MP22168 - da Vinci Si Multi Complete Hose, Luers & Nozzles Set PCF PRO

Various pack sizes and variations are available - please ask

**da Vinci Si Multi Nozzles Set**
**da Vinci Si Stapler Complete Hose & Luer Pack of 2 Niagara**

- This hose easily connects to da Vinci EndoWrist® instruments
- This hose is for use in all Medisafe Niagara’s

**Order #**

MP22216 - da Vinci Si Stapler Complete Hose & Luer Pack of 2 Niagara

Various pack sizes and variations are available - please ask

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**da Vinci Xi Complete Hose & Luer Pack of 5 Niagara**

- This hose is used with da Vinci Xi Basket for Xi standard and stapler instruments

**Order #**

MP21133 - da Vinci Xi Complete Hose and Luer Pack of 5 Niagara

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**da Vinci Xi 8mm Complete Hose & Luer Pack of 5 Niagara**

- This hose is used with da Vinci Xi 8mm Basket for Xi Standard Instruments

**Order #**

MP20966.5 - da Vinci Xi 8mm Complete Hose and Luer Pack of 5 Niagara

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**da Vinci Xi Stapler Complete Hose & Luer Pack of 2 Niagara**

- This hose is used with da Vinci Xi Stapler Basket

**Order #**

MP22217 - da Vinci Xi Stapler Complete Hose & Luer Pack of 2 Niagara
**SI Digital Plumbing Kit**

- Red Distal Adapter - (1mm) x 2
- Blue Distal Adapter - (5mm) x 3
- Yellow Distal Adapter - (8mm) x 3
- Green Distal Adapter - (12mm) x 2
- Hose & Luer Assembly (24cm) x 12
- Disposable Filters x 24
- Y Connectors x 6
- Small Nozzle x 6

**Order #**

MED1013.3 - SI Digital Plumbing Kit

---

**SI SA / SI SA ‘S’ Plumbing Kit**

- Red Distal Adapter - (1mm) x 2
- Blue Distal Adapter - (5mm) x 3
- Yellow Distal Adapter - (8mm) x 3
- Green Distal Adapter - (12mm) x 2
- Hose & Luer Assembly including nozzle x 12
- Disposable Filters x 24
- Y Connectors x 6

**Order #**

MED1013.8 - SI SA Plumbing Kit

---

**SI PCF / SI PCF ‘S’ Plumbing Kit**

- Red Distal Adapter - (1mm) x 4
- Blue Distal Adapter - (5mm) x 6
- Yellow Distal Adapter - (8mm) x 6
- Green Distal Adapter - (12mm) x 4
- Tubing Silicon (4x3mm) x 5
- Luer lock ring x20
- Nozzle x 20
- Male Luer x 20

**Order #**

MED1013.9 - PCF Plumbing Kit

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**PCF Pro Plumbing Kit**

- Red Distal Adapter - (1mm) x 4
- Blue Distal Adapter - (5mm) x 6
- Yellow Distal Adapter - (8mm) x 6
- Green Distal Adapter - (12mm) x 4
- Tubing Silicon (24cm) x 20

**Order #**

MP21225 - PCF Pro Plumbing Kit
Niagara Series Plumbing Kit For Standard Instruments

- Red Distal Adapter - (1mm) x 8
- Blue Distal Adapter - (5mm) x 12
- Yellow Distal Adapter - (8mm) x 42
- Green Distal Adapter - (12mm) x 38
- Tubing silicon (4x3mm) x 25
- Luer lock ring x100
- Nozzle x 100
- Male Luer x 100

Order #
MED1013.11 - Niagara Plumbing Kit

Instrument Organisers
Use the instrument organisers to arrange the load in the most efficient manner.

Order #
MED3072 - SI Digital
MED8165 - SI SA
MP21385 - SI SA 'S'
MED8564 - SI PCF

Distal Connectors
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
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
The ICTMIMS Care System is designed to protect your delicate instruments throughout the reprocessing cycle until "point of use". After usage, the instruments can be returned 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.

**Opthe Standard** (Without flushing accessory)
- Order #: MED9000

**Opthe Single** (With single 7 port flushing accessory)
- Order #: MED9011

**Opthe Double** (With double 7 port flushing accessory)
- Order #: MED9012

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**Full Size ICTMIMS Clam Shell**
Comes with millipede and pressure ball mouldings as shown.
Add optional Flushing Manifold - MED9007

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**Half Size ICTMIMS Clam Shell**
Comes with millipede and pressure ball mouldings as shown.
Add optional Flushing Manifold - MED9007

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** ICTMIMS ClamShell **

** Flushing Manifold **
Supplied complete with silicone 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 Ophto, 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 #
MED9014 - Blanking Plugs

** Millipede Moulding Replacement **

Order #
MED8162 - Millipede Moulding

** 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 #
MED8163 - Single ball strip
MED8159 - Double ball strip
Point of Use Preparation

Distal Duck Kit
- For use with da Vinci robotic 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

Order #
M20400 - 1x Point of use preparation kit

Distal Duck Tip Soaker
- Suitable for all instruments
- 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

Distal Duck Tip Soaker ~ Maxi
- Suitable for all da Vinci staples & large instruments
- Easy to use - just add 50ml of water to the enzyme concentrate
- 4 Active Enzymes - works at room temperature
- pH Neutral - non-corrosive
- Perfect as tip protector while in transit

Order #
M20424 - Distal Tip Soaker ~ Maxi - 24 Vials

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 (420mm W x 470mm D)
M20358 - Full DIN (400mm W x 780mm D)
M20359 - Super-Size (600mm W x 1000mm D)
**3E - Zyme**

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

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**4 Zyme**

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 #**

MED8020 - 5L, MED8021 - 10L

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**Ezee-Lube**

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

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**EDA+**

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
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
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 SA / SI SA ‘S’
- SI Digital PC+
- SI PCF / SI PCF ‘S’
- PCF PRO

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:

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Technical Support and repairs
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<table>
<thead>
<tr>
<th>Machine Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions</td>
</tr>
<tr>
<td>Reliance PC+</td>
</tr>
<tr>
<td>SI Digital PC+</td>
</tr>
<tr>
<td>SI SA ‘S’</td>
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<td>SI PCF ‘S’</td>
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<td>Niagara SI Ultrasonic</td>
</tr>
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<td>Niagara SI PCF</td>
</tr>
</tbody>
</table>
# Basket Connection Guide

<table>
<thead>
<tr>
<th>General Instruments</th>
<th>SI Digital PC+</th>
<th>SI SA / SI SA ‘S’</th>
<th>SI PCF / SI PCF ‘S’</th>
<th>PCF PRO</th>
<th>Niagara</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Basket &amp; Hose Set: MED1018.1</td>
<td>SI SA Basket &amp; Hose Set: MP21853</td>
<td>Basket &amp; Hose Set: MP21832</td>
<td>Basket&amp; Hose Set: MP21852</td>
<td>Carrier: MED1437</td>
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<td>Hose Set: MP22203</td>
<td>Hose Set: MP22183</td>
<td>Hose Set: MP21846</td>
<td>Baskets only: M20044 / M20043</td>
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<td>Y Hose Set: MP22199</td>
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<td>Hose Set: MP22243</td>
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<tr>
<td>Orthopedic Sets</td>
<td>Basket only: MED8603</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>SI Endowrist 8mm</td>
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<td>Hose Set: MP22188</td>
<td>Or Carrier: MED1426</td>
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1. Wire basket for 5 Si Endowrists
2. Wire basket for 5 Si 8mm Endowrists
3. Sheet metal basket for 2 Si Staplers
4. Sheet metal basket for 5 Xi Endowrists
5. Wire basket for 5 Xi Endowrists
6. Only to be used with MP21837 and MP21838 baskets
7. Sheet metal basket for 2 Xi Staplers
8. Wire basket for 3 Xi Endowrists / 2 Xi Staplers
9. Compatible with Si 8mm, Si 5mm, Si Single Site and Si Stapler
10. Basket including connector / hose for up to 6 Xi Endowrists or 4 Xi Endowrists and 2 Xi Staplers
11. Can only accommodate the Si 8mm Endowrists directly on carrier without the use of baskets
For your local contact please call:
+44 (0)1279 461641

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www.medisafeinternational.com

Want to see our machines in action?
Please visit: www.youtube.com/medisafeint