

FSG130

Free Standing Gantry



User Manual

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1 Safety Instructions and Warnings

1.1 Introduction



Please read and understand this manual in its entirety before using your FSG130 Free Standing Gantry.

The information in this manual is important for the safety of anyone near the FSG130 and must be read and understood to help prevent injuries. It is also crucial to the proper operation and maintenance of the Stand Aid.

Should any questions arise from reviewing this manual, contact your local authorised representative.

Failure to comply with warnings in this manual may result in; injury to the operator and/or client and/or damage to the Stand Aid or related components.

Store this manual with the documents included with the Stand Aid and sling(s). Contents of this manual are subject to change without prior written notice.



Do not attempt to use this equipment without first understanding the contents of this manual.



Unauthorised modifications on any Smirthwaite product may affect its safety. The manufacturer will not be held responsible for any accident, incident or deficiencies of performance that occur as a result of any unauthorised modification to its products.

1.2 Manufacture

The Stand Aid is manufactured at the address below:



Prism Medical UK

Unit 1, Tir Llwyd Industrial Estate, St Asaph Avenue, Kinmel Bay, Conwy, LL18 5JZ
Telephone number: 01924 840 100

1.3 European Authorised Representative

The address of the European Authorised Representative for this product:



European Healthcare & Device Solutions (Ireland) Ltd.

Stratton House, Bishopstown Road, Cork, Ireland, T12 Y9TC.
Telephone number: +353(86)2280846

1.4 Distributor

The address of the Spanish distributor for this product:



Smirthwaite

16 Wentworth Road, Heathfield, Newton Abbot, Devon, TQ12 6TL

1.5 Symbols Used

The Table below includes all Symbols from BS EN ISO 15223-1:2021 that can be found in this Manual and on the Product and what they represent. Refer to this Table when you are unsure of what a symbol represents.















	Consult instructions before use		Caution – see instructions for use
	Manufacturer		Date of manufacture
	This product is CE Marked		EC Authorised Representative
	Serial number		Catalogue number
	Temperature range		Packaging indicator – Keep dry
	Humidity range		Medical Device
	Importer symbol		This manual has been translated symbol

Table 1

1.6 Contraindications / Limitations

There are no known “contraindications” associated with the usage of the FSG130, provided they are used as per manufacturer’s recommendations and guidelines. However, it is recommended that a client specific assessment is completed by a trained and knowledgeable health care professional to determine the method of transfer.

The manufacturer does not recommend a required number of care givers for the use of our products. This information and recommendation can only be provided after a thorough personalised, case specific assessment, as there are many factors that can influence these decisions.

1.7 Intended Use

For internal use only.

The FSG130 rail system together with a portable hoist, shall be used for transferring an elderly or disabled person; e.g. in the private homes sector.

The free standing gantry is a portable rail system which can be set up practically anywhere and requires no mounting on walls, ceiling or to the floor. The free-standing rail system is length and height adjustable.



The device is used under instruction, and the operation of the aid is undertaken by a trained carer. A risk assessment must be performed before using any other manufactured slings or Gantry, to ensure safe use can be established.

- The FSG130 is intended to be installed on a flat and levelled surface prior to use.
- The FSG130 must be installed only by persons authorised by Smirthwaite or who have the rights to install and commission the Gantry safe for use.
- Under no circumstance should the FSG130 and its associated Hoist, be put in control of a person who has not been properly trained in the use of the FSG130. Failure to adhere to this warning may result in serious injury to the operator, and/or the individual being transferred.
- In facilities where more than one operator will be responsible for using the free-standing gantry and hoist it is imperative that all such members be trained in the proper use. A training program should be established by the facility to acquaint new operators with this equipment.
- The FSG130, and associated hoist are not toys. Do not use it for unsafe practices. Do not allow children to play with the Hoist or any of its components.
- Your guarantee is void if persons unauthorised by Smirthwaite perform servicing work on the FSG130.
- To maintain optimum function, the Free Stand Gantry should be inspected and maintained on a regular basis. See section 'General Inspection, Maintenance and Cleaning' within this user manual.
- The FSG130 and its associated hoist are intended only for transferring of a person. The manufacturer or Smirthwaite will not be responsible for any damage caused by the misuse, neglect, or purposeful destruction of the Unit, and/or its associated components.
- The FSG130 and its associated parts are certified to a maximum load of 130 kg. Do not exceed the maximum rated load of any of the components.
- Ensure that a clear space is maintained around the FSG130. Before performing a transfer, check for and move all obstacles out of the way.
- Your Product is for aiding and transferring a patient. Do not use it, or allow it to be used, for any other purpose.
- In areas where children are prone to be present be vigilant when carrying out a transfer.
- To reduce the risk of unintended use, when the FSG130 and Hoist is not in use, remove the sling(s) from the product to prevent entrapment or strangulation should the device be tampered with.
- Between FSG130, Hoist, Spreader Bar and Body-Support Unit, the lowest maximum load shall always be used.



You may need to seek specialist advice on how to assist some people with specific moving and handling needs. Sources of advice include, but is not limited to, professional bodies and organisations, occupational therapist, physiotherapists, manual handling advisers and ergonomist with experience in health and social care.

1.8 Warning Notes



Your FSG130 has been manufactured and tested to exceed BS EN 10535:2021. This does not mean that it can be used without care. ALL OPERATORS should have read the operating instructions and appreciate this warning section.

1. A FSG130 is less stable on sloping surfaces. The manufacture recommends the FSG130 is only installed on a flat and level surface.
2. All FSG130 products are dangerous to the person being transferred when used without training.

1.9 Operating Environment

The FSG130 is suitable for use within the professional health care facility environment as well as the following listed:

- Home environment
- Hospital and/or treatment centre
- Residential care home
- Education institute

The FSG130 is not suitable for any special environments.

This product is not intended to be used in environments where there are rapid changes in the environmental temperature and humidity during intended use.

2 Components / Key Parts

Please see below to familiarise yourself with the components of the FSG130 Free Standing Gantry. The images below show the contents of the Stand Aid. If you have not received all the components contact your Smirthwaite dealer immediately – contact details are provided on the last page of this manual.

Item	Description
1	Adjustable Track
2	Support Post
3	Foot
4	Star Handle Screws
5	User Manual

Table 2

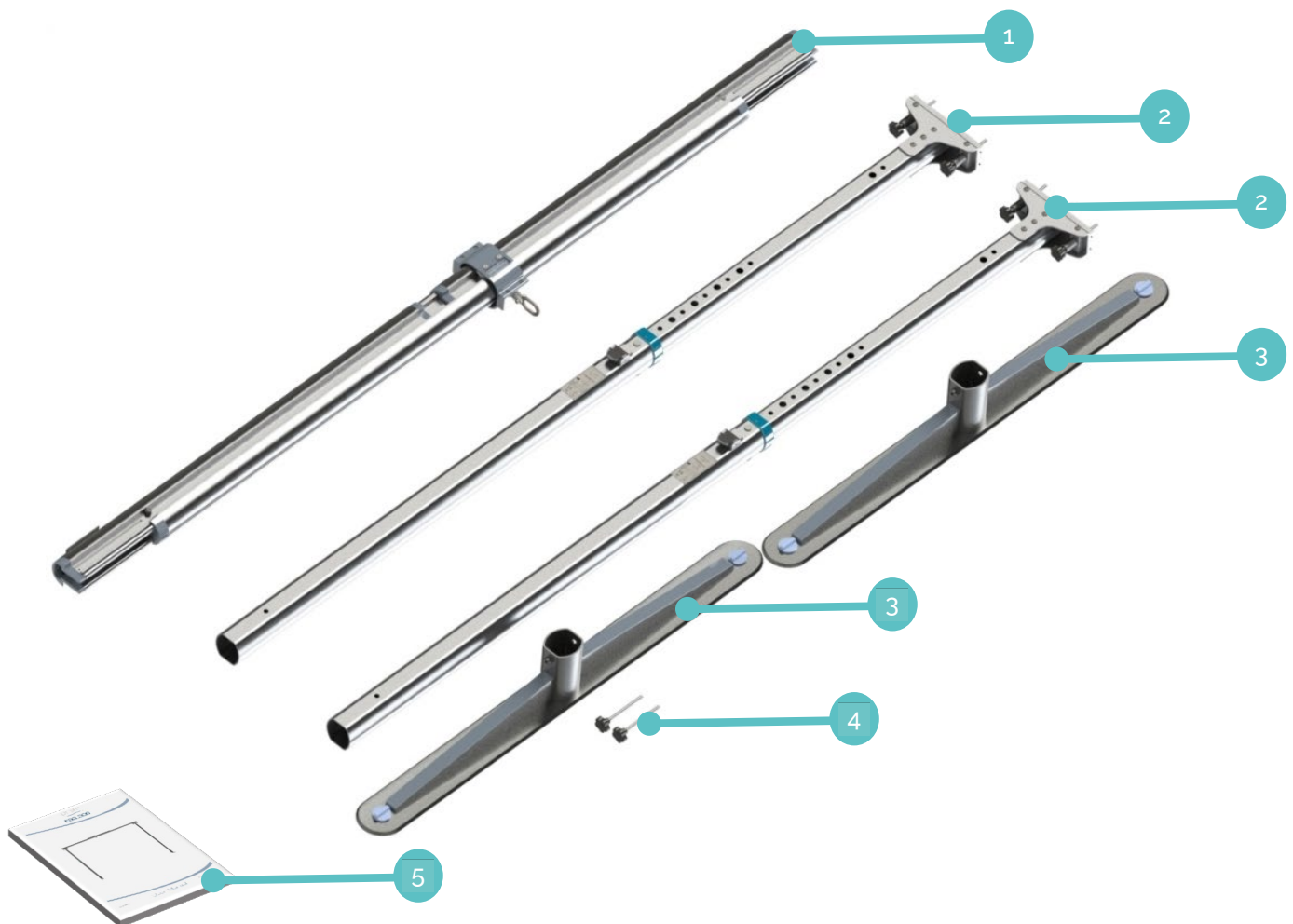


Figure 1

3 Assembly Instructions

The FSG130 should only be assembled and installed by an approved Smirthwaite engineer. For the correct installation instructions, please read and understand the "FSG130 Installation Manual – 996134"

4 Final Inspection

Before first operation of the FSG130:

- Confirm that the FSG130 is level.
- Ensure that the safety pins are installed in both support posts.
- Ensure that all fixing points are all tight and no parts are broken or bent.
- The feet are located on a stable, level surface.
- Make sure that the trolley moves easily from one end of the track to the other.
- Ensure that the adjustable track is located at the correct length.
- Ensure that attachment procedure of their portable hoist is carried out correctly, in accordance with manufacturer's installation instructions.



Prior to each lift, this will be completed by the user, the FSG130 and associated hoist, accessories, and sling(s), must be visually inspected. Refer to the hoist, accessory and sling user guides for specific details regarding their inspection.



Prior to mounting the portable lift onto the trolley of the FSG130, please read the user manual of the portable lift. Be sure that the instructions on the use of the lift and any accessories, such as slings are thoroughly understood before attempting to use them with the FSG130.

Failure to comply with this may result in injury to the individual being lifted and/or the caregiver or damage to the lift and/or the FSG130.

Following the instructions for the portable lift, attach the QRS hook, (or other similar attaching device) located at the end of the lift strap. Be sure that the QRS hook is securely attached to the trolley prior to proceeding with the transfer.

Proceed to transfer the individual in the manner described in the user manual for the portable lift and sling. When the transfer is completed the lift may be removed from the trolley.

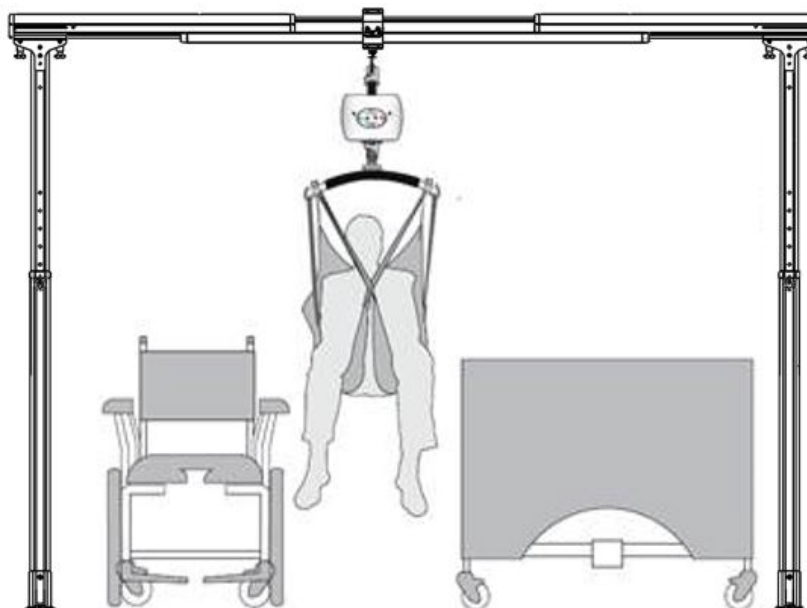


Figure 2

5 Technical Specification

5.1 FSG130 Dimensions

All dimensions below are shown in millimetres.

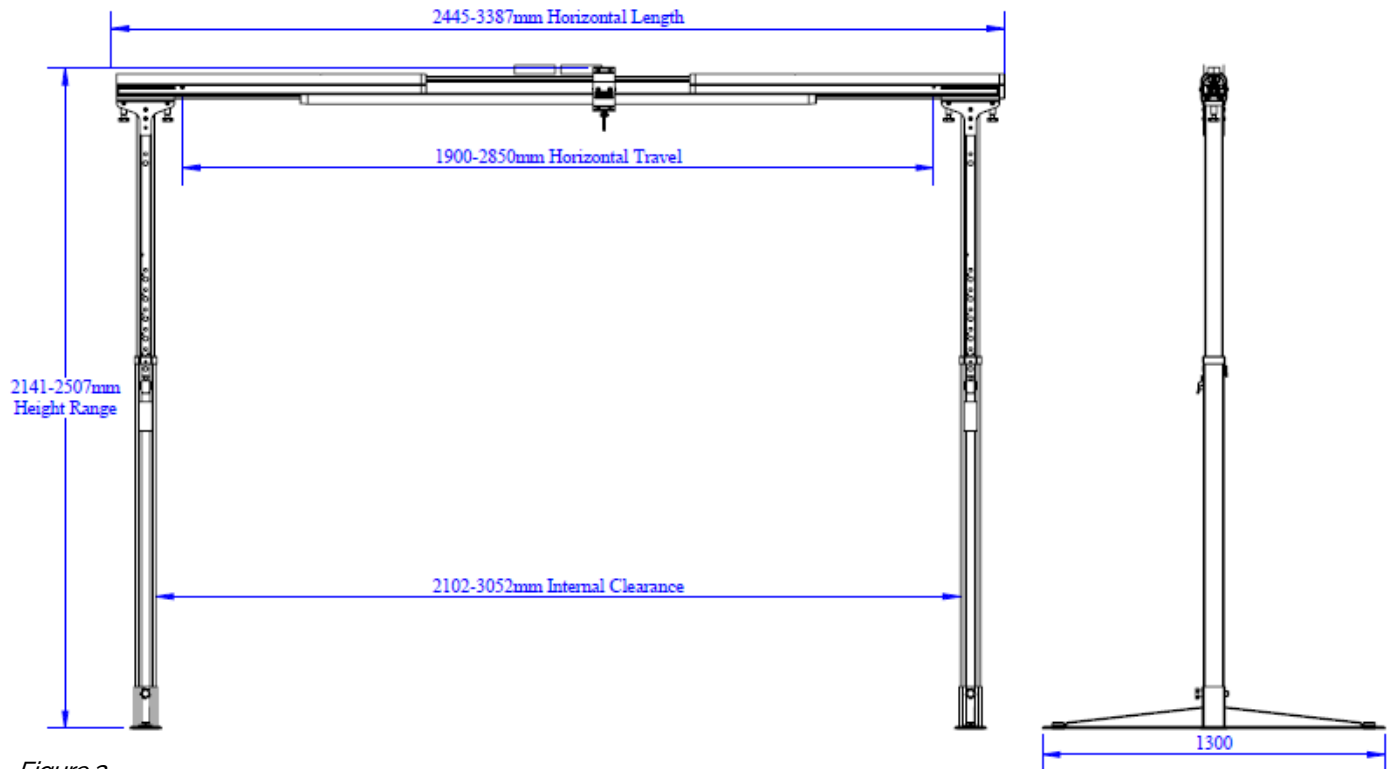


Figure 3

5.2 Specifications

Dimensions	
Maximum Height	2,508 mm
Lowest Height	2,141 mm
Maximum Length	3,387 mm
Minimum Length	2,445 mm
Internal Maximum Clearance	3,052 mm
Internal Minimum Clearance	2,102 mm
Weights	
Safe Working Load (SWL)	130 kg
Track	6.8 kg
Support Post & Foot	9.1 kg
Ful Product	22.7 kg
Operational Forces	
Latch	3 N
Moving Trolley - with hoist (0 kg)	6 N
Moving Trolley (130 kg)	97 N

Table 3

5.3 Expected Product Lifetime

10 years. depending on usage and compliance to maintenance, servicing, and inspections.

5.4 Standards Applied

The standards that have been applied to the device are as follows:

- EN 10535:2021 Hoists for the transfer of disabled persons. Requirement and test methods.

6 Environmental - Storage and Operating Conditions

The FSG130 is intended for internal use within normal environmental conditions.

It is not intended to be used in environments where there are rapid changes in the environmental temperature and humidity during intended use.

6.1 Normal Operating Conditions

+5°C to +40°C (41°F to 104°F) at a relative humidity between 15% to 90% RH, non-condensing but not requiring a water vapour pressure greater than 50hPa and atmospheric pressure between 795hPa to 1060hPa.

6.2 Shipping and Storage Conditions

-25°C to +5°C (-13°F to 41°F) with any humidity level.

+5°C to +35°C (41°F to 95°F) at a relative humidity up to 90%.

+35°C to 70°C (95°F to 158°F) non-condensing at a water vapour pressure up to 50hPa.

7 Disposal

When the FSG130 has completed its life cycle and can no longer perform to its intended use safely the FSG130 must be decommissioned by an approved Service Engineer. The following specifies the importance of correct disposal procedure including local laws and being environmentally friendly.

Please observe the local laws on recycling and respect the current laws for disposal within the community the device is being used within. If there is any uncertainty of the below guidelines, contact your local authorities to determine the proper method of disposal of potentially biohazardous parts and accessories.

The relevant components utilised in the manufacture of the device that can be recycled at the end of the device life are:

Fully Recyclables:	Consideration When Recycling:
Aluminium structure (Track, support posts, feet)	Plastic parts (end caps, foot covers)
Steel trolley	
Initial packaging of the device (cardboard)	
Metallic fixing – screws etc.	

Table 4



The product may be contaminated and has to be disinfected before recycling or disposal. See section on 'Cleaning' for details of how to do this.

8 Fault Finding

If a problem arises with the FSG130, the Table below will hopefully assist in determining the fault and what actions you can take. If the fault cannot be found or the fault is found and the action guide does not provide a fix (e.g. – a damaged wire would need replacement), contact your local Smirthwaite authorised dealer immediately, a service engineer will be required to repair the FSG130. Contact details can be found on the last page of this manual.

Fault	Action
Trolley does not transverse	<ul style="list-style-type: none"> • Check the track profile is clean and free from any obstructions. • Check the wheels are free and regular servicing has been undertaken. • Check the telescopic track profiles are all aligned.
Hoist transverses without assistants	<ul style="list-style-type: none"> • Check the FSG130 is located on a level surface. • Check that the installation of the FSG130 has been carried out correctly. • Check the traversing track is level.
FSG130 is unstable.	<ul style="list-style-type: none"> • Check the FSG130 is located on a level surface. • Ensure all foot contact points are in contact with the floor. • Ensure that track attachment star handle bolt is all secure.

Table 5

9 General Inspection, Maintenance and Cleaning

9.1 Service



No service is to be carried out on the FSG130 while transferring a person to reduce the risk of injury. Service must be completed by an authorised Smirthwaite Service Engineer. Do not attempt to service the product yourself, or warranty is void.

To ensure the safety and continued good function of your FSG130, routine service must be performed on your FSG130.

The service history of the product should be documented each service in the Service Log at the back of this User Manual.



When the FSG130 is serviced, the service checklist must be completed.
[Service Manual](#) Document Number: 995134
[Spare Parts Manual](#) Document Number: 992134

Contact your local authorised Smirthwaite dealer if you:

- Need more information.
- Have any questions about the use or service of your FSG130.
- Notice any change in the performance.
- Want to report an unexpected occurrence.
- Want to arrange a service.
- Need to ascertain necessary information for replacement parts and components.

Contact details of your local Smirthwaite dealer are shown on the last page of this manual.

9.2 Inspection

Inspection is to be completed prior to each use by the user of the FSG130.



Should any of the components in the table below fail the inspection, DO NOT use the FSG130. Contact your local authorised dealer for service – contact details are on the last page of this manual.

Ensure all component inspections in the Table below are completed prior to each use of the FSG130.

Check List Before Use

Component	Service/Inspection Required
Generic	Visual inspection of the external of the FSG130. Significant damage that may affect the function of the FSG130 along with a clear safety hazard is unacceptable.
	Check the labelling on the FSG130 to ensure they are all still legible, this includes the Serial Number and other important markings. If labels are not legible, then contact your local authorised dealer immediately.
	Check all main nuts and bolts to see if they are loose, if they are not tight or you have concerns, then contact your local authorised dealer immediately.
Certification	An authorised/competent service company or person will issue a test certificate after satisfactory completion of the inspection. The certificate will be valid for 6 months.
Telescopic Track	Check the smooth opening and closing of the track.
Telescopic Legs	Ensure the telescopic legs are fully engaged into each foot
Track	Check the attachment of the track to the legs, ensure all fixing points are secure and free from wear.
Trolley	Check the trolley rotates and traverses freely. Check the central pivot bolt and nylon lock nut for excessive wear. Check the fixing point for excessive wear and inspect the hooks for any damage, sharp edges, and excessive wear.

Table 6

9.3 Cleaning

Please follow the cleaning guidelines below on cleaning and disinfecting the FSG130.

9.3.1 General Cleaning



It is recommended to clean the FSG130 and accessories before use by a different person, reducing the risk of cross-contamination.

The exterior of the FSG130 can be cleaned using a damp soapy cloth for general cleaning duties. Please ensure the cloth is damp and not wet. Ensure the exterior of the device is dry after cleaning. Dry using a clean dry cloth.

9.3.2 Disinfecting (if necessary)

Should the product require a more thorough clean, the use of the Actichlor™ disinfectant product (which is widely available in tablet form and used throughout the health care industry) is recommended.



Follow the manufacturer's safety instructions for the use of the cleaning product before use to ensure safe use for the operator and the patient.

Ensure the cloth is damp before the cleaning process.

Application is through a clean damp cloth applied to wipe the device down. Use in the following dilutions to ensure an effective clean:

- Actichlor™ dissolvable chlorine tablets provide a concentration of 1000 ppm of available chlorine (0.1%) per 1 tablet
- 1 tablet (1.7g formed tablet (x1)) will create a virucidal solution, diluted in 1 litre of water to provide effective means to clean a "dirty" device. This is also ideal for use after an outbreak of the Norovirus/winter vomiting and can be used as a precaution against Sporcidal. It is effective against viruses, bacteria, spores, yeasts and moulds.
- The contact time against the outer components of the device should be for 5 minutes to prevent any virucidal infections without a degradation to the functionality of the device. 5 minutes is a recommended contact time. The device can withstand a longer contact period but the 5 minute recommendation as a minimum must be followed to provide an effective cleaning regime.

- Blood spills should be dealt with by an increased concentration of the solution – please refer to the instructions on the manufacturer's product labelling.

Dilution chart					
Product used as	Device condition	Concentration (ppm)	Dilution qty* (l)	Tablets per 1l (0.26gal)	Contact time (minutes)
Bactericidal	Clean	200	5 (1.32gal)	1	1
	Dirty	1000	1 (0.26gal)	1	5
Yeasticidal	Clean	200	5 (1.32gal)	1	1
	Dirty	1000	1 (0.26gal)	1	5
Fungicidal	Clean	2000	1 (0.26gal)	2	15
	Dirty	5000	1 (0.26gal)	5	15
Mycrobactericidal	Clean	1000	1 (0.26gal)	1	15
	Dirty	5000	1 (0.26gal)	5	15
Virucidal	Clean	500	2 (0.53gal)	1	5
	Dirty	1000	1 (0.26gal)	1	5
Sporcidal (C.Diff)	Clean	1000	1 (0.26gal)	1	10
	-	-	-	-	-
Sporcidal	Clean	5000	1 (0.26gal)	5	10
	-	-	-	-	-

* Dilution is made with water. DO NOT dilute within any other medium.

- When diluted in water, one tablet gives 1000ppm of available chlorine.
- The concentration of the solution depends upon whether the object being cleaned is noticeably dirty (indicated in the table by "Device condition").

Table 7

Handling and storage safety precautions when using this cleaning agent:

Advice on Safe Handling



- Avoid contact with skin and eyes.
- Do not breathe dust/fumes/gas/mist/vapours/spray.
- Use only with adequate ventilation.
- Wash hands thoroughly after handling.
- Mixing this product with acid or ammonia releases chlorine gas.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling.

Conditions for Safe Storage



- Keep out of reach of children.
- Keep container tightly closed.
- Store in suitable labelled containers.
- Storage temperature: 0-25°C (32-77°F).

Individual Protective Measures

Hand protection: Gloves

Dissolve

Dissolve in cold water – With no agitation, 1 tablet will take approximately 10 minutes to fully dissolve in the water used.

The information above has been extracted from the Actichlor™ MSDS (Manufacturers Safety Data Sheet). For a full review of the data please follow the link below:

10 Warranty

This guarantee does not affect or in any way limit your Statutory Rights.

1. The manufacturer guarantees this product, against failure within the period of 5 years from the date of purchase by virtue of defects in material or workmanship.
2. The liability of the manufacturer under terms of this guarantee shall be limited to the replacement or the defective part(s) to the sales distributor, dealer, agent, person, or entity which purchased the equipment from the manufacturer. In no event shall the manufacturer incur liability for any consequential or unforeseeable losses.
3. This equipment guarantee shall be void if the equipment is not serviced by Smirthwaite or its authorised agents, in accordance with manufacturer's recommendations, or if any unauthorised persons carry out work on the equipment.
4. This guarantee does not apply to failure attributable to normal wear and tear, damage by natural forces, user neglect or misuse or to deliberate destruction.
5. Do not attempt to service the product yourself, or warranty is void.

11 Service Record History

Complete this section after each service, repair inspection and/or maintenance.

Date:	Time:
Service Type: Service Inspection <input type="checkbox"/> Repair <input type="checkbox"/> Other <input type="checkbox"/>	
Completed By: (printed name) (signature)	
Company:	
Remarks & Actions Taken:	
Product Left in A Safe & Usable Condition: Yes <input type="checkbox"/> No <input type="checkbox"/> (if no explain in actions above)	
Date:	Time:
Service Type: Service Inspection <input type="checkbox"/> Repair <input type="checkbox"/> Other <input type="checkbox"/>	
Completed By: (printed name) (signature)	
Company:	
Remarks & Actions Taken:	
Product Left in A Safe & Usable Condition: Yes <input type="checkbox"/> No <input type="checkbox"/> (if no explain in actions above)	
Date:	Time:
Service Type: Service Inspection <input type="checkbox"/> Repair <input type="checkbox"/> Other <input type="checkbox"/>	
Completed By: (printed name) (signature)	
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Remarks & Actions Taken:	
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Date:	Time:
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Product Left in A Safe & Usable Condition: Yes <input type="checkbox"/> No <input type="checkbox"/> (if no explain in actions above)	
Date:	Time:
Service Type: Service Inspection <input type="checkbox"/> Repair <input type="checkbox"/> Other <input type="checkbox"/>	
Completed By: (printed name) (signature)	
Company:	
Remarks & Actions Taken:	
Product Left in A Safe & Usable Condition: Yes <input type="checkbox"/> No <input type="checkbox"/> (if no explain in actions above)	

Date:	Time:
Service Type: Service Inspection <input type="checkbox"/> Repair <input type="checkbox"/> Other <input type="checkbox"/>	
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Date:		Time:	
Service Type: Service Inspection <input type="checkbox"/> Repair <input type="checkbox"/> Other <input type="checkbox"/>			
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Company:			
Remarks & Actions Taken:			
Product Left in A Safe & Usable Condition: Yes <input type="checkbox"/> No <input type="checkbox"/> (if no explain in actions above)			
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Date:		Time:	
Service Type: Service Inspection <input type="checkbox"/> Repair <input type="checkbox"/> Other <input type="checkbox"/>			
Completed By: (printed name) (signature)			
Company:			
Remarks & Actions Taken:			
Product Left in A Safe & Usable Condition: Yes <input type="checkbox"/> No <input type="checkbox"/> (if no explain in actions above)			

User notes:

User notes:

Dealer/service contact details:**Manufacturer contact details:****Prism Medical UK**

Unit 1, Tir Llwyd Industrial Estate,
St Asaph Avenue, Kinmel Bay,
Conwy, United Kingdom, LL18 5JZ

Telephone Number: 01924 840100

Disclaimer

While every effort has been made to ensure the accuracy of information contained in this user manual, no liability can be accepted by Smirthwaite for any errors or omissions. Smirthwaite operates a policy of continuous improvement. Specifications and other data are subject to change without notice.

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