Operating Instructions

International
English

Wash Assist

Pneumatic Supply Hose System

deSoutter MEDICAL

DE SOUTTER MEDICAL WASH ASSIST HOSE SYSTEM

Index

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IMPORTANT SAFETY INSTRUCTIONS

1. **Read these instructions in conjunction with the appropriate De Soutter Medical surgical instrument operating instructions.**

2. **SAVE THESE INSTRUCTIONS - This manual contains important safety and operating instructions for the Wash Assist hose system.**

3. **Do not attempt to use the equipment until all the instructions and cautionary markings have been studied and understood.**

4. **Failure to follow these instructions may result in serious injury to the patient or operating staff.**

General Safety Guidelines

Never permit untrained personnel to use this instrument system.
Always inspect all equipment and accessories before use. Do not use suspect, damaged or worn equipment.
Always ensure air supply hose is correctly connected to the handpiece before use.
Always set the instrument trigger mode selector to the **SAFE** position when changing the air supply hose or when not in use.
Never drop the instrument or it's accessories; always handle with extreme care.
Only clean and sterilise the instrument and accessories as directed in these instructions.

Always use Stericut or De Soutter Medical approved accessories.

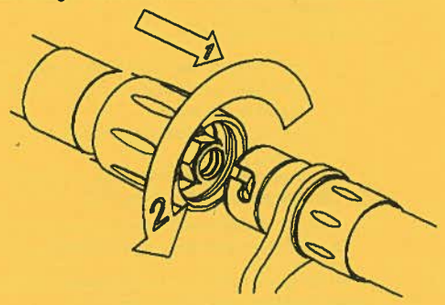
Product Description

The Wash Assist Hose systems are a series of hose systems designed to facilitate reprocessing. They are available in three different variants to suit the different families of De Soutter Medical pneumatic instruments.

- Multidrive MPX, SPX, Directdrive DPX
- Microdrive D30, Pulse Lavage PLX
- Multidrive MPZ, Ergoplus EPV

For further details see order and accessory codes at the rear of the manual.

Reprocessing Instructions

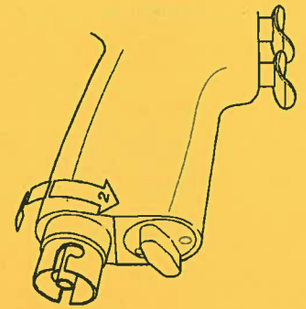
Limitations on reprocessing:	Repeated processing has minimal effect on accessories. End of life is normally determined by wear or damage during use.
Containment and transportation:	It is recommended that instruments and accessories reprocessed immediately following surgical use. The handling, collection and transportation of soiled equipment should be strictly controlled to minimise risks
Preparation for cleaning:	Before cleaning, either manual or automatic, the following should be carried out: • Remove air hose from the instrument • Disconnect the Hose adaptor and connect the two ends of the hose together using a twist and lock action as shown below.  **Warning: The two ends of the hose must be disconnected before sterilisation.**
Manual Cleaning	**Equipment:** Manual cleaning should only be carried out where automatic washer/disinfection is not possible. It should be conducted in a dedicated area and personal protective clothing worn e.g. gloves, waterproof apron and goggles or visor. Use Neutral pH Enzymatic detergents such as Klerzyme™ and Nylon scrubbing brushes. Dedicated sinks with temperature controlled water, ideally de ionised or distilled should be used and a Lint-free cloth for drying. **Method:** 1. Wash off excess contaminant with running water (maximum 35°C). Scrub the components thoroughly using a neutral pH enzymatic detergent and nylon brushes to remove all visible traces of contaminant. Pay attention to recesses, blind holes and cannulations. 2. Rinse off all traces of the detergent with de ionised or distilled running water (45-65°C). 3. Shake off excess water and dry surfaces with a lint-free cloth. 4. Disconnect the hose ends from each other. 5. Visually inspect each item to verify that all contaminants are removed in accordance with local reprocessing guidelines.
Automatic Cleaning	**Equipment:** Automatic Washer/Disinfector capable of meeting relevant national and international cleaning and disinfection standards i.e. BS2745 and HTM2030; Neutral pH Enzymatic detergent such as HAMO Liquid 52™.

	Method: 1. Large contaminant deposits should be removed manually using the method described in Manual Cleaning:- Method item 1. 2. Place the accessories onto the wire basket. Ensure all items are evenly separated. Note: Item placement in automatic washer/disinfector baskets can be a critical factor in achieving effective cleaning. Selection of the basket type and position of the items to be cleaned should be done by suitably trained personnel in accordance with the manufacturer's instructions for the washer/disinfector. 3. Follow manufacturers loading instructions and select the appropriate cycle recommended. The cycle should include: ▪ Pressurised cold water rinse (maximum 35°C). ▪ Hot water wash (minimum 45°C) using a neutral pH enzymatic detergent. ▪ Warm water rinse. ▪ Disinfection rinse (minimum 80°C for 1 minute) ▪ Drying cycle. 4. Remove disinfected accessories from the washer/disinfector to a clean area. 5. Disconnect the hose ends from each other. 6. Visually inspect each item and verify contaminants have been removed in accordance with local reprocessing guidelines.
Disinfection:	Thermal disinfection is recommended and included in the automated washer/disinfection cycle, see above.
Maintenance	Inspect for damage and wear.
Packaging:	Place cleaned accessories into a suitable container and wrap as required. Wrapping material should conform to EN868 and allow rapid penetration of steam
Sterilisation:	**Ensure all hose connections are disconnected before sterilisation.** Wrapped or Unwrapped. Vacuum steam autoclave, minimum 3 minutes @ 134°C (+3°C/ -0°C). The equipment is capable of withstanding a standard drying cycle. Other suitable methods of sterilisation are possible for this product; however if unsure about which methods may be used please contact your local agent or De Soutter Medical Ltd direct.
Storage:	Wrapping sterilised equipment in accordance with EN868 is recommended to preserve sterility. The material should present a barrier to microorganisms and particulate contamination.
Additional Information:	Automated cleaning was validated in accordance with HTM 2030 using an automated washer/disinfector and Neutral pH enzymatic detergent. Sterilisation was validated in accordance with HTM2010 using 134°C (+3°C/ -0°C) vacuum steam autoclave. **Note: Manual cleaning is not validated for reasons of non-repeatability.**
The instruction's provided above have been validated by De Soutter Medical Ltd. as being capable of preparing a device for re-use. It remains the responsibility of the reprocessor to ensure that the reprocessing as actually performed using equipment, materials and personnel in the reprocessing facility achieve the desired result. This normally requires validation and routine monitoring of the process. Likewise any deviation by the preprocessor from the instructions provided should be properly evaluated for effectiveness and potential adverse consequences. (07/2002)	

1. Preparation of MPX, SPX and DPX systems

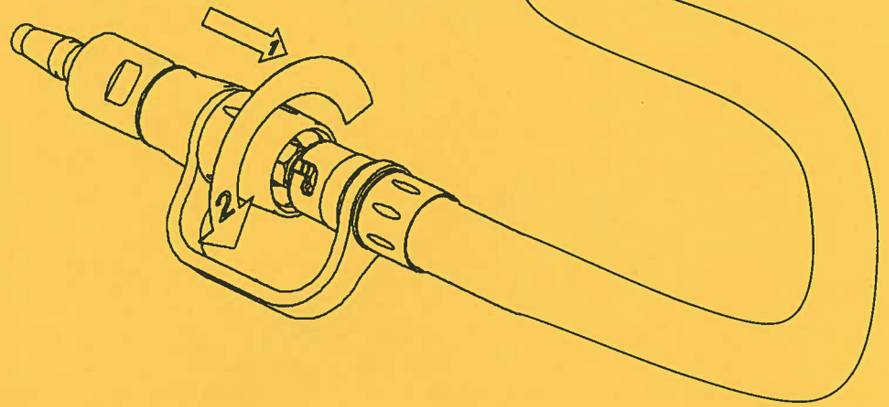
Attach the hose to the Instrument

1. Grip the hose connector and push it on to the instrument spigot.
2. Twist the connector clockwise. The connector will come to a stop - the hose is now connected.
3. Pull gently on the hose to check that the hose is securely connected to the handpiece. Refer to the diagram.



Attach the hose to the air supply

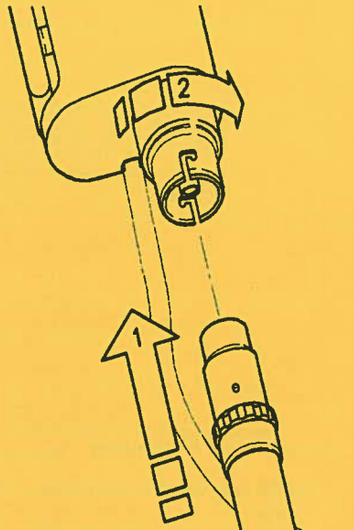
1. Grip the hose adaptor and push it on to the end of the hose
2. Twist the adaptor clockwise. The connector will come to a stop - the hose is now connected.
3. Pull gently on the hose to check that the hose is securely connected to the adaptor. Refer to the diagram.



2. Preparation of PLX and Microdrive Systems

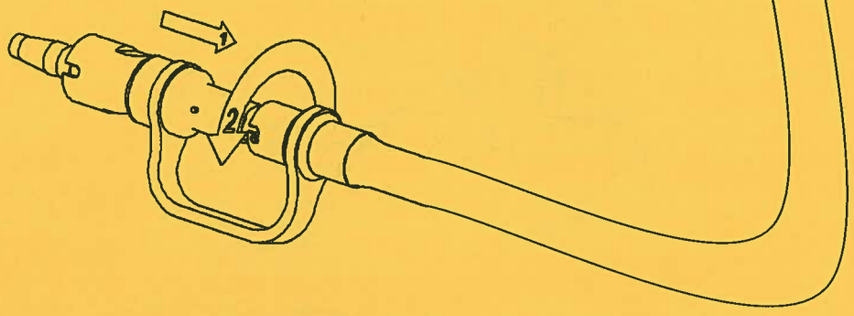
Attach the hose to the Instrument

1. Grip the hose connector and push it on to the instrument spigot.
2. Twist the connector clockwise. The connector will come to a stop - the hose is now connected.
3. Pull gently on the hose to check that the hose is securely connected to the handpiece. Refer to the diagram.



Attach the hose to the air supply

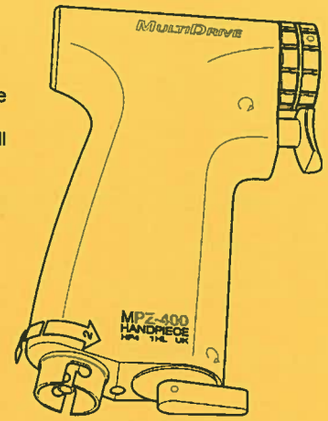
1. Grip the hose adaptor and push it on to the end of the hose
2. Twist the adaptor clockwise. The connector will come to a stop - the hose is now connected.
3. Pull gently on the hose to check that the hose is securely connected to the adaptor. Refer to the diagram.



3. Preparation of EPV and MPZ Systems

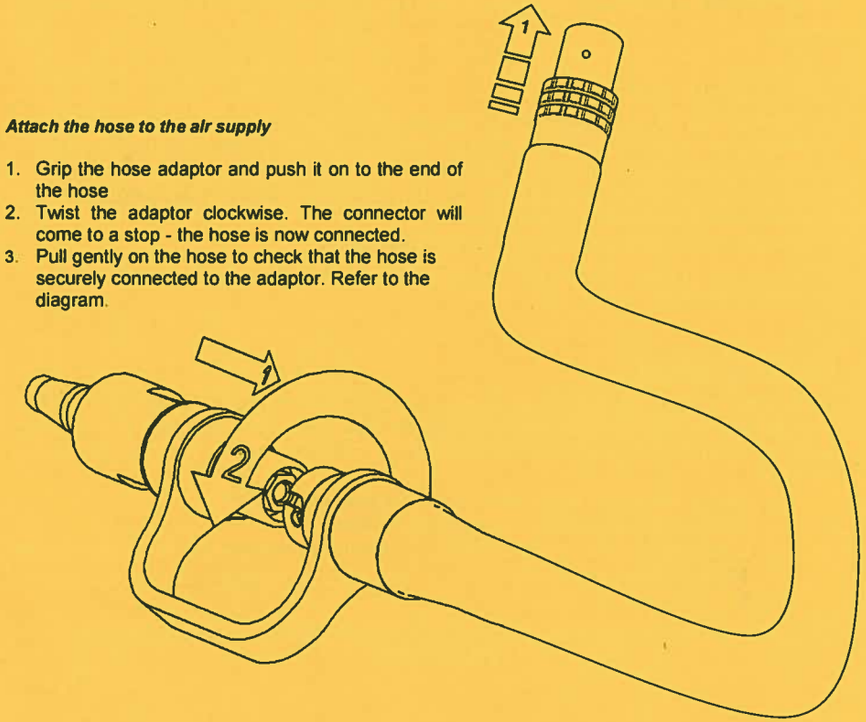
Attach the hose to the Instrument

1. Grip the hose connector and push it on to the instrument spigot.
2. Twist the connector clockwise. The connector will come to a stop - the hose is now connected.
3. Pull gently on the hose to check that the hose is securely connected to the handpiece. Refer to the diagram.



Attach the hose to the air supply

1. Grip the hose adaptor and push it on to the end of the hose
2. Twist the adaptor clockwise. The connector will come to a stop - the hose is now connected.
3. Pull gently on the hose to check that the hose is securely connected to the adaptor. Refer to the diagram.



Explanation of Symbols

Refer to the Operating Instruction Manual

Vacuum Steam Sterilise

Do Not Immerse

Conditions for Transport & Storage

Temperature:	-20°C to +40°C
Relative Humidity:	90% maximum.
Atmospheric Pressure:	1.5 atmospheres maximum.

Repair Information

For service and repair please contact your nearest De Soutter Medical Authorised Service Centre.

To return an item for repair:

- Disinfect/ sterilise the equipment in accordance with the reprocessing instructions.
- Record the serial number of the item being returned. Enclose a brief statement describing the reason for returning the item.
- Enclose the purchase order number for the instrument if warranty is being claimed. It will be helpful to include a contact name.
- Pack the item securely and send to the address below.

Warning: All items returned for repair must be accompanied by a declaration of contamination status.

Guarantee & Liability

De Soutter Medical guarantees all instruments, attachments and accessories to be free from defects in material and workmanship for one year from the date of purchase. De Soutter Medical is not liable by warranty or otherwise in the case of any of the following:

- Abuse, misuse or use in other than a surgical environment;
- Disassembly, alteration or unauthorised repair;
- If the product has not been used in a reasonable manner and in full compliance with the written instructions.

This guarantee does not affect your Statutory Rights in accordance with 1999/44/EEC

Part Number Details

Complete Hose Systems

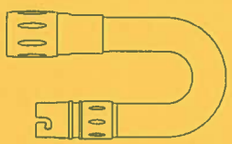
	MPX			EPV / MPZ			PLX / D30 series		
	3m	4m	5m	3m	4m	5m	3m	4m	5m
MA7	13000	13100	13200	13300	13400	13500	13600	13700	13800
A.O.	13010	13110	13210	13310	13410	13510	13610	13710	13810
AGA	13020	13120	13220	13320	13420	13520	13620	13720	13820
Draeger	13030	13130	13230	13330	13430	13530	13630	13730	13830
Heyer	13040	13140	13240	13340	13440	13540	13640	13740	13840
Air Liquide	13050	13150	13250	13350	13450	13550	13650	13750	13850
DIN	13060	13160	13260	13360	13460	13560	13660	13760	13860
Flowtech	13070	13170	13270	13370	13470	13570	13670	13770	13870
AGA Air	13080	13180	13280	13380	13480	13580	13680	13780	13880
NP05	13090	13190	13290	13390	13490	13590	13690	13790	13890

Adaptor without Hose

	MPX	MPZ	D30
MA7	632003	632103	632203
A.O.	632013	632113	632213
AGA	632023	632123	632223
Draeger	632033	632133	632233
Heyer	632043	632143	632243
Air Liquide	632053	632153	632253
DIN	632063	632163	632263
Flowtech	632073	632173	632273
AGA Air	632083	632183	632283
NP05	632093	632193	632293

Hose without Adaptor

	MPX	MPZ	D30
3m	632303	632333	632363
4m	632313	632343	632373
5m	632323	632353	632383



Replacement connecting strap – 632393