DPS Spreader Bar (Used with Maxi Sky 600 Lifts)

Instructions for Use





Design Policy and Copyright ${\mathbb R}$ and ${\mathbb T}$ are trademarks belonging to the ArjoHuntleigh group of companies.

© ArjoHuntleigh 2016.
As our policy is one of continuous improvement, we reserve the right to modify designs without prior notice. The content of this publication may not be copied either whole or in part without the consent of ArjoHuntleigh.

Table of Contents

Symbols	4
Technical Data	5
Safety Instructions and Warnings	6
Assembling the DPS	7
Restrictions: Assembling the Dynamic Positioning System Spreader Bar Installation of the DPS Spreader Bar Interconnection System into the Maxi Sky 600 lift Installation of the DPS Spreader Bar on the Maxi Sky 600 Lift Positioning the DPS spreader bar on the Maxi Sky 600 lift	7 8 10
Operating the DPS Spreader Bar	. 12
Sling Attachment Straight Attachment	
Crossed Attachment	. 13
Maintenance and Cleaning	. 14
WARNING: Daily Check List Inspection and Cleaning. Annual Inspection	14 14
Troubleshooting	. 15
Log Book	. 16

Symbols

A warning is intended to alert the user from hazards or unsafe practices which could result in serious bodily harm.	A caution is intended to alert the user of the presence of important operating and maintenance instructions which could prevent product damage or possible personal injury.
---	---

NOTE: A note offers helpful information concerning certain operating procedures.

DO NOT ATTEMPT TO USE THIS EQUIPMENT WITHOUT UNDERSTANDING THIS MANUAL.

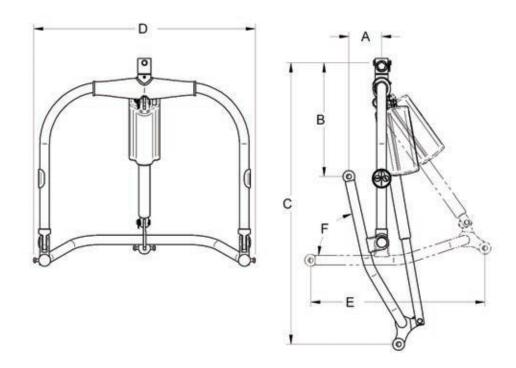
To ensure safe operation, read carefully the entire manual, especially the section on "Safety Instructions and Warnings", before installing, operating or servicing this equipment.

WARNING:

If something is not completely understood, please contact your supplier for more details. Failure to comply with warnings in this manual may result in injury.

Keep this manual with lift and refer to it as required. Contents of this manual are subjected to change without prior notice to users.

Technical Data



DIMENSIONS								
	DPS position:							
	SIT	TING	LY	ING				
	mm	in	mm	in				
Α	90	3,5	190	7,5				
В	305	12	527	20.8				
C	639	251	495	19.5				
	mm in							
D	5	90	2:	3.2				
Е	465 18.3							
F 77°								
•								



Description DPS spreader bar		
DPS spreader bar	kg	lb
	7	15
Shipping	9	20

TECHNICAL DATA					
Description	kg	lb			
Safe working load (SWL)	272	600			
IP rating	ΙP	65			
Control voltage output (Vdc)	2	4			
Current limiting (Amp.)	Ę	5			
Fuse size (Amp.)	Ę	5			
Duty Cycle 10%	6 m	in/h			
Sound power level (dBA)	4	0			

ENVIRONMENTAL CONDITIONS: Normal operation: 10 °C to 40 °C, 0% to 90% R.H., 700-1060hPa.

Equipment is not suitable for use in the presence of flammable anaesthetic mixture with air or with nitrous oxide.

Equipment classification with respect to protection from electric shock: internally powered.

Degree of protection against electric shock: Type BF applied parts

Safety Instructions and Warnings

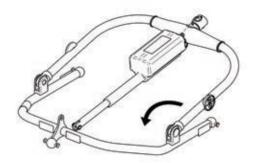
- IMPORTANT READ THESE INSTRUCTIONS CAREFULLY OR SERIOUS INJURY MAY RESULT.
- KEEP THESE INSTRUCTIONS WITH THE PRODUCT AT ALL TIMES.
- > READ AND UNDERSTAND OPERATING AND MAINTENANCE INSTRUCTIONS IN THIS MANUAL BEFORE INSTALLING, OPERATING, OR SERVICING THIS EQUIPMENT.
- This equipment MUST ONLY be installed by personnel qualified to do so.
- > ArjoHuntleigh spreader bars MUST be installed by an authorized contractor or installer.
- > ONLY a qualified technician or installer can remove and reinstall the spreader bar on the lift.
- > Your spreader bar is for transferring patients only. DO NOT use it for any other purpose.
- > ALWAYS carry out the daily checklist before using the spreader bar.
- ArjoHuntleigh DPS spreader bar is specifically designed for ArjoHuntleigh ceiling lift systems, slings and accessories. Accessories designed by any other manufacturer are prohibited and will prevent ArjoHuntleigh from being able to guarantee a safe transfer. USE ONLY ArjoHuntleigh spreader bars and accessories to maintain patient safety and product utility.
- ArjoHuntleigh DPS spreader bar is intended to be used for patients within the specified weight limit indicated for the lift. DO NOT attempt to lift more than the weight limit indicated.
- > Before attempting to transfer, the patient MUST be assessed by a qualified professional.
- ArjoHuntleigh ceiling lifts and DPS spreader bars MUST be used by a caregiver with proper training to work with the patient to be transferred. This patient lift SHOULD NEVER be used by patients on their own.
- > ONLY trained and qualified caregivers should transfer a patient. DO NOT attempt to use the lift and the DPS spreader bar if you have not been properly trained to do so.
- ALWAYS be prepared before attempting to transfer a patient.
- DO NOT use a sling that is not recommended for the lift and DPS spreader bar.
- ➤ DO NOT drop the DPS spreader bar. Dropping the DPS spreader bar may cause internal damage that is not easily seen. If the DPS spreader bar is suspected to be damaged, contact an authorized technician for servicing.
- ➤ IMPORTANT: Keep all components of the DPS spreader bar clean and dry, and have electrical and mechanical safety checkpoints done as instructed in the "Maintenance" section of this manual.
- AVOID violent impact during transportation.

Restrictions

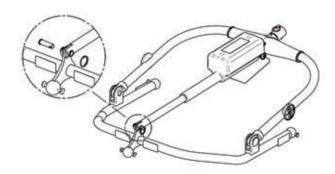
- The DPS spreader bar fits on all standard Maxi Sky 600 lifts with serial #LDXXXX16000.
- Serial numbers below #LDXXXX16000 require a cab adaptor kit #700.14500.33.
- The DPS spreader bar cannot be installed on a Maxi Sky 600 lift equipped with an infra-red hand control.
- The DPS spreader bar is sold separately.

Assembling the Dynamic Positioning System Spreader Bar

- 1. Remove the DPS spreader bar from the carton and inner boxes.
- 2. Check for any shipping damage. Do not discard carton or packing material until you are completely sure there is no damage to the lift.
- 3. Unfold the DPS spreader bar.



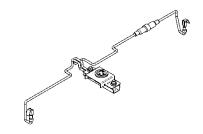
4. Attach the actuator as shown below using the supplied clevis pin and split ring.



001.19040.EN rev. 7

WARNING: Make sure the clevis pin is properly secured by the split ring.

Installation of the DPS Spreader Bar Interconnection System into the Maxi Sky 600 lift



1. Remove the cover from the Maxi Sky 600 lift (picture A).



2. Remove the plastic part from the Maxi Sky 600 cover by pushing on it (pictures B and C).





3. Insert the metal plate that fixes the interconnection system to the lift (as shown on pictures D and E). Wires must be at the rear side of the Maxi Sky 600 cover.





4. Push the metal plate in place. The interconnection system will lock (pictures F and G).





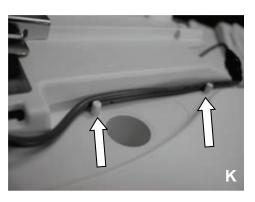
5. Using an 8 mm socket screwdriver, fix it to the lift.



- 6. Disconnect the **red/white** wire from the lift and replace it with the DPS spreader bar interconnection system red wire (picture I).



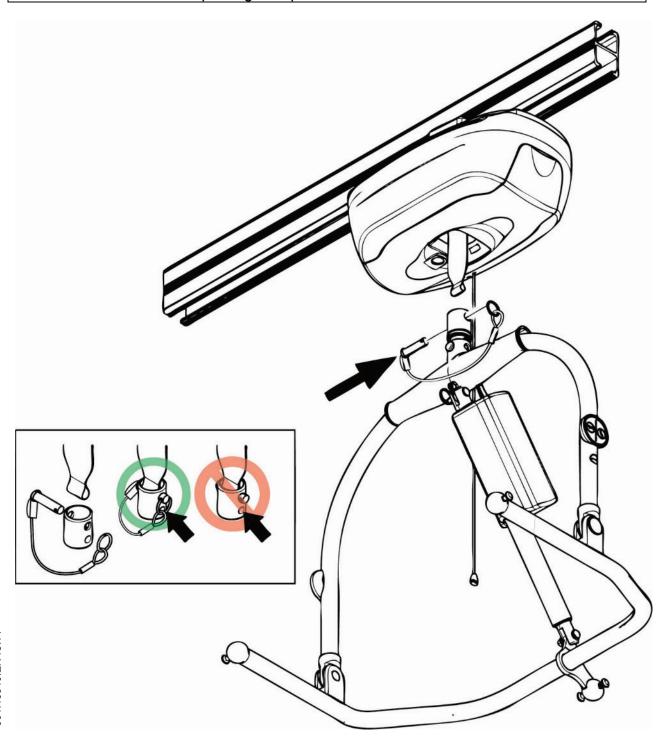
- 7. Reconnect the red/white wire (of the lift) on the red wire of the adaptor (picture J).
- 8. Repeat steps 6 and 7 for the **black/white** cable of the lift and the black wire of the interconnection of the DPS spreader bar.
- 9. Pass the wire through guides in order to prevent it from being wedged (see picture K).
- 10. Reinstall the Maxi Sky 600 cover.



Installation of the DPS Spreader Bar on the Maxi Sky 600 Lift

Secure the DPS spreader bar to the Maxi Sky 600 using the clevis pin and split ring. Make sure that the spreader bar is correctly fastened

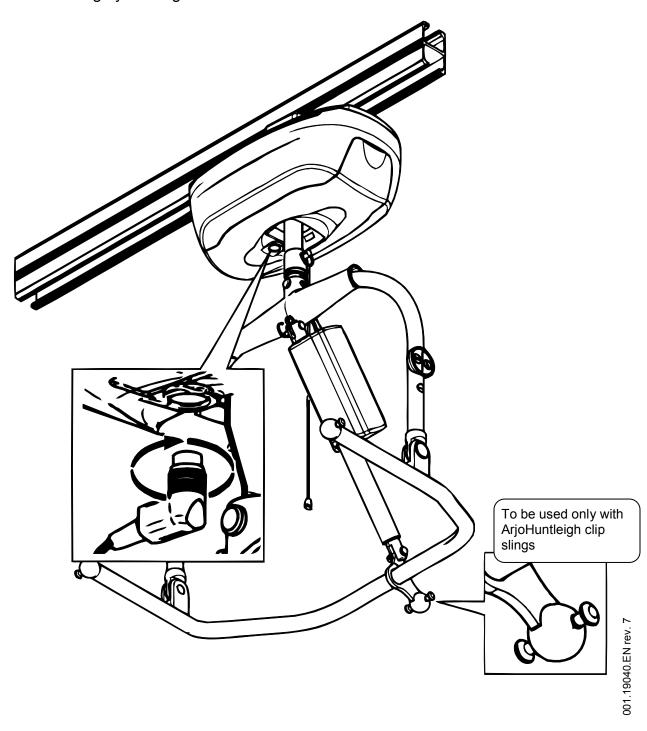
and the split ring is in place.



001.19040.EN rev. 7

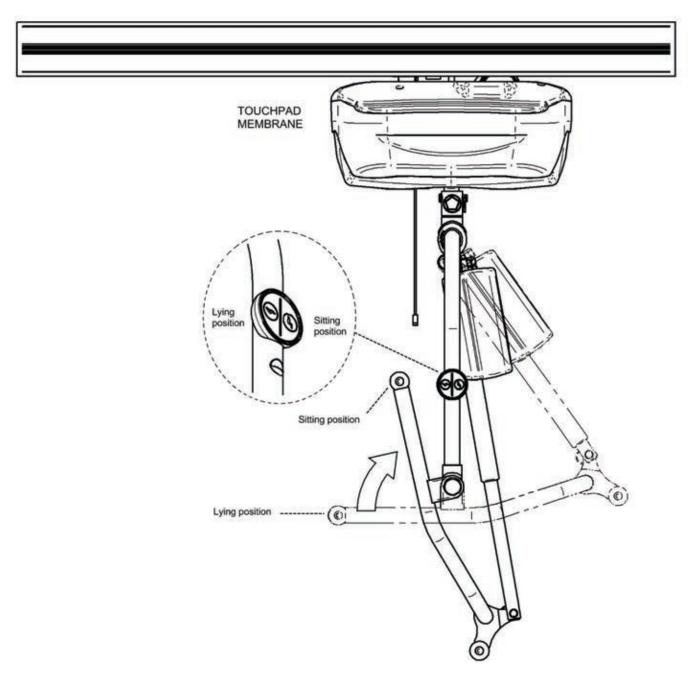
Positioning the DPS spreader bar on the Maxi Sky 600 lift

1. Insert the electrical connection for the spreader bar into the lift. To do so, push the DPS connector into the Maxi Sky 600 connector, and then firmly tighten the outer ring by rotating clockwise.



Operating the DPS Spreader Bar

2. To operate the DPS spreader bar use the touch pads located on either side of the DPS frame. Press and hold the appropriate positioning switch. Select either the reclined position or the sitting position. Release the switch once the desired patient position has been achieved.

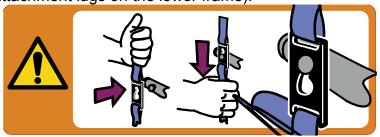


Operating the DPS Spreader Bar

Sling Attachment

WARNING:

Always check that all the sling attachment clips are fully in position before and during the lifting cycle, and in tension as the patient's weight is gradually taken up (see labels near the DPS's sling attachment lugs on the lower frame).



Straight Attachment

For most patients, the straight attachment of the leg clips is a recommended use (see Figure 1).

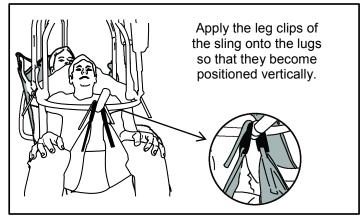


Figure 1

Crossed Attachment

If the patient is prone to kicking off the leg clip, the crossed attachment of the leg clips shall be applied which will prohibit the clip from being kicked off (see Figure 2).

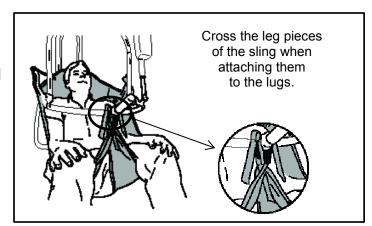


Figure 2

001.19040.EN rev. 7

Maintenance and Cleaning

ALWAYS CARRY OUT THE DAILY CHECKLIST BEFORE EACH LIFT USE. Alterations made to the DPS spreader bar by someone other than a qualified technician may cause serious injury and void the warranty. The Maxi Sky 600 and its accessories must be inspected ANNUALLY by a qualified technician in addition to the daily and other periodic visual checks specified in this section.

WARNING:

Preventive maintenance specified in this manual can prevent

accidents and reduce repair costs. Note all service or repairs to the Maxi Sky 600 or its accessories in the logbook at the end of this

manual. Have the document signed by a qualified technician.

Daily Check List

THE FOLLOWING PROCEDURES MUST BE FOLLOWED BEFORE EACH USE:

- Have the Maxi Sky 600 batteries been charged? Park the lift on the charger whenever the lift is not in use.
- Inspect the DPS spreader bar for any damage or cracks, or if any parts are missing.
 If this is the case, DO NOT USE IT. Contact your local representative to have the lift serviced.
- Inspect the sling for tears, frayed straps or loose stitches. If the sling has any of the above damage, DO NOT USE IT. Contact your local representative to have the sling replaced.
- Make sure the sling is correctly and securely hooked to the appropriate connection points.
- Ensure the clevis pin and the snap rings that attach the spreader bar to the strap are secured.

Inspection and Cleaning

Clean the DPS spreader bar with a soft dry cloth, or a soft cloth lightly moistened with a mild detergent solution. Do not use any type of solvent that may damage the finish.

WARNING: If using the spreader bar in wet environments do not immerse past the touch panel, it could affect the spreader bar functions.

Annual Inspection

The lift and its accessories must be inspected annually by a qualified technician.

WARNING:

The Maxi Sky 600 and its accessories must be serviced every 12 months as a minimum requirement. Do not attempt to do the inspection unless you are qualified to do so. As part of the annual inspection, an annual load test with the safe working load must be performed on the Maxi Sky 600 as required for the CE Mark Maintenance.

Troubleshooting

PROBLEM	VERIFICATION	ACTION ITEM
The DPS spreader bar does not work.	Verify if the batteries of the device where the DPS spreader bar is connected are fully charged.	Read the user manual of the device where the DPS spreader bar is connected.
	Is the coil power cable properly connected to the lifter?	If the batteries are fully charged and the coil power cable is properly connected to the device, contact a technician.
The DPS spreader bar operates very slowly.	Verify if the batteries of the device where the DPS spreader bar is connected are fully charged.	If the batteries are fully charged, contact a technician.
One of the buttons of the touchpad membrane does not work.		Contact a technician.

Product Name:	DPS SPREADER BAR FOR MAXI SKY 600					
Product Serial Number:						
Date of Purchase:						
Warranty Period:						
Distributed by:						
Owner Checklist:						
device.Ensure the logbook is comRecord any repairs require	butor/service agent immediately if there are any problems with the operation of the eleted and signed.					
	ACH SERVICE OR INSPECTION					
	y ⇒ Periodic inspection ⇔ Minor ⇒ Major					
Condition report:						
Action taken:						
- Totion taken.						
Date :	Inspected by:					
	Printed Signature					
Service type: ⇒ Pre-delive	ry ⇒ Periodic inspection ⇒ Minor ⇒ Major					
Condition report:						
-						
A C 4 1						
Action taken:						
Date:	Inspected by:					
Dato.	moposica by.					
	Printed Signature					

16

001.19040.EN rev. 7

Service type:	⇒ Pre-delivery	⇒ Pei	riodic inspection	⇒ N	linor ⇒	Major	
Condition report:							
Action taken:							
D. L.			1 1. 11.				
Date:			Inspected by:				
			Printed			Signature	
						3	
Service type:	⇒ Pre-delivery	⇒ Pei	riodic inspection	⇒ N	linor ⇒	Major	
Condition report:							
Action taken:							
Date:			Inspected by:				
			Printed			Signature	
			Tillited			Oignature	
Service type	⇒ Pre-delivery	⇒ Pei	riodic inspection	⇒ N	linor ⇒	Major	
Condition report:							
Action taken:							
<u> </u>							
Date:			Inspected by:				
			Drinted			Cignoture	
			Printed			Signature	
Service type:	⇒ Pre-delivery	⇒ Pei	riodic inspection	⇒ N	linor ⇒	Major	
Condition report:							
Action taken:							
Date:			Inspected by:				
			Printed			Signature	

Service type	⇒ Pre-delivery	⇒ Periodic inspection	⇒ Minor ⇒ Major	
Condition report	:			
Action taken:				
Action taken.				
Date:		Inspected by:		
		Printed	Signature	_
Service type:	⇒ Pre-delivery	⇒ Periodic inspection	⇒ Minor ⇒ Major	
Condition report	:			
A ation tales				
Action taken:				
Date:		Inspected by:		
Dato.		moposiod by:		
		Printed	Signature	_
		1 111100	<u> </u>	
Service type:	⇒ Pre-delivery	⇒ Periodic inspection	⇒ Minor ⇒ Major	
Condition report	:			
-				
Action taken:				
Date:		Inspected by:		
Date.		inspected by.		
		Printed	 Signature	_
		Timed	Oignature	
Service type:	⇒ Pre-delivery	⇒ Periodic inspection	⇒ Minor ⇒ Major	
Condition report		<u> </u>	•	
-				
Action taken:				
Date		1		
Date:		Inspected by:		
		Duint	Oinnati	_
		Printed	Signature	

001 19040 FN re

Service type	⇒ Pre-delivery	⇒ Periodi	c inspection	\Rightarrow	Minor	⇔	Major	
Condition report:								
-								
Action taken:								
		1.						
Date:		Ins	pected by:					
			Printed				Signature	
0	N. Donald Process	. D. d. d.			N 4"		Maria	
Service type:	⇒ Pre-delivery	⇒ Periodi	c inspection		Minor	\Rightarrow	Major	
Condition report:								
								\dashv
Action taken:								
Date:		Ins	pected by:					
			, ,					
			Printed				 Signature	
							0.9	
Service type:	⇒ Pre-delivery	⇒ Periodi	c inspection	⇒	Minor	⇒	Major	
Condition report:							·	
·								_
Action taken:								
Date:		Ins	pected by:					
			Printed				Signature	
Service type:	⇒ Pre-delivery	⇒ Periodi	c inspection	\Rightarrow	Minor	\Rightarrow	Major	
Condition report:								
A -4: (-1								
Action taken:								
Data:		lea	nocted by:					
Date:		IIIS	pected by:					
			Duinte -				Cianatura	
			Printed				Signature	

AUSTRALIA ArjoHuntleigh Pty Ltd 78, Forsyth Street O'Connor

AU-6163 Western Australia Tel: +61 89337 4111 Free: +1 800 072 040 Fax: + 61 89337 9077

BELGIQUE / BELGIË ArjoHuntleigh NV/SA Evenbroekveld 16 BE-9420 ERPE-MERE Tél/Tel: +32 (0) 53 60 73 80 Fax: +32 (0) 53 60 73 81

E-mail: info.belgium@arjohuntleigh.be

BRASIL

Maquet do Brasil Equipamentos Médicos Ltda Rua Tenente Alberto Spicciati, 200 Barra Funda, 01140-130 SÃO PAULO, SP - BRASIL Fone: +55 (11) 2608-7400 Fax: +55 (11) 2608-7410

CANADA ArjoHuntleigh

90 Matheson Boulevard West Suite 300

CA-MISSISSAUGA, ON, L5R 3R3

Tel/Tél: +1 905 238 7880 Free: +1 800 665 4831 Institutional

Free: +1 800 868 0441 Home Care

Fax: +1 905 238 7881

E-mail: info.canada@arjohuntleigh.com

ČESKÁ REPUBLIKA ArjoHuntleigh s.r.o. Hlinky 118 CZ-603 00 BRNO Tel: +420 549 254 252

Fax: +420 541 213 550

DANMARK ArjoHuntleigh A/S

Vassingerødvej 52 DK-3540 LYNGE Tel: +45 49 13 84 86 Fax: +45 49 13 84 87

E-mail: dk_kundeservice@arjohuntleigh.com

DEUTSCHLAND ArjoHuntleigh GmbH Peter-Sander-Strasse 10 DE-55252 MAINZ-KASTEL Tel: +49 (0) 6134 186 0 Fax: +49 (0) 6134 186 160 E-mail: info-de@arjohuntleigh.com

ESPAÑA

ArjoHuntleigh Ibérica S.L. Ctra. de Rubi, 88 1ª planta - A1 08173 Sant Cugat del Vallés ES-BARCELONA 08173 Tel: +34 93 583 11 20 Fax: +34 93 583 11 22

E-mail: info.es@arjohuntleigh.com

FRANCE ArjoHuntleigh SAS

2 Avenue Alcide de Gasperi

CS 70133

FR-59436 RONCQ CEDEX Tél: +33 (0) 3 20 28 13 13

Fax: +33 (0) 3 20 28 13 14 E-mail: info.france@arjohuntleigh.com

HONG KONG

ArjoHuntleigh (Hong Kong) Ltd 1510-17, 15/F, Tower 2 Kowloon Commerce Centre 51 Kwai Cheong Road

Kwai Chung HONG KONG Tel: +852 2207 6363 Fax: +852 2207 6368

INTERNATIONAL

ArjoHuntleigh International Ltd ArjoHuntleigh House Houghton Hall Park Houghton Regis UK-DUNSTABLE LU5 5XF Tel: +44 (0) 1582 745 800 Fax: +44 (0) 1582 745 866

E-mail: international@arjohuntleigh.com

ITALIA

ArjoHuntleigh S.p.A. Via Giacomo Peroni 400-402 IT-00131 ROMA Tel: +39 (0) 6 87426211 Fax: +39 (0) 6 87426222

E-mail: Italy.promo@arjohuntleigh.com

MIDDLE EAST

ArjoHuntleigh ME Office G005 - Nucleotide Complex, Dubiotech & Research Park, P.O.Box 214742, Dubai, United Arab Emirates Tel: +971 (0)4 447 0942

E-mail: international@arjohuntleigh.com

NEDERLAND

ArjoHuntleigh Nederland BV

Biezenwei 21 4004 MB TIEL Postbus 6116 4000 HC TIEL

Tel: +31 (0) 344 64 08 00 Fax: +31 (0) 344 64 08 85 E-mail: info.nl@arjohuntleigh.com

NEW ZEALAND

ArjoHuntleigh Ltd 41 Vestey Drive Mount Wellington NZ-AUCKLAND 1060 Tel: +64 (0) 9 573 5344 Free Call: 0800 000 151 Fax: +64 (0) 9 573 5384

E-mail: nz.info@ArjoHuntleigh.com

NORGE

ArjoHuntleigh Norway AS Olaf Helsets vei 5 N-0694 OSLO Tel: +47 22 08 00 50 Faks: +47 22 08 00 51

E-mail: no.kundeservice@arjohuntleigh.com

ÖSTERREICH ArjoHuntleigh GmbH Dörrstrasse 85 AT-6020 INNSBRUCK

Tel: +43 (0) 512 204 160 0 Fax: +43 (0) 512 204 160 75

POLSKA

ArjoHuntleigh Polska Sp. z o.o. ul. Ks Piotra Wawrzyniaka 2 PL-62-052 KOMORNIKI (Poznan)

Tel: +48 61 662 15 50 Fax: +48 61 662 15 90

E-mail: arjo@arjohuntleigh.com

PORTUGAL

ArjoHuntleigh em Portugal MAQUET Portugal, Lda. (Distribudor Exclusivo)

Rua Poeta Bocage n.º 2 - 2G PT-1600-233 Lisboa Tel: +351 214 189 815

Fax: +351 214 177 413 E-mail: Portugal@arjohuntleigh.com

SUISSE / SCHWEIZ ArjoHuntleigh AG

Fabrikstrasse 8 Postfach

CH-4614 HÄGENDORF Tél/Tel: +41 (0) 61 337 97 77

Fax: +41 (0) 61 311 97 42

ArjoScandinavia Ab / ArjoHuntleigh Finland

Niittykatu 8 FI- 02200 ESPOO Puh: +358 9 8870 120 E-mail: info@vestek.fi

SVERIGE

AR IO Scandinavia AR Hans Michelsensgatan 10 SE-211 20 MALMÖ Tel: +46 (0) 10 494 7760 Fax: +46 (0) 10 494 7761

E-mail: kundservice@arjohuntleigh.com

UNITED KINGDOM ArjoHuntleigh UK ArjoHuntleigh House

Houghton Hall Park Houghton Regis

UK-DUNSTABLE LU5 5XF Tel: +44 (0) 1582 745 700 Fax: +44 (0) 1582 745 745

E-mail: sales.admin@arjohuntleigh.com

ArjoHuntleigh Inc. 2349 W Lake Street Suite 250

US-Addison, IL 60101 Tel: +1 630 307 2756

Free: +1 800 323 1245 Institutional Free: +1 800 868 0441 Home Care

Fax: +1 630 307 6195

E-mail: us.info@arjohuntleigh.com

REV 18: 09/2016

GETINGE GROUP

Getinge Group is a leading global provider of products and systems that contribute to quality enhancement and cost efficiency within healthcare and life sciences. We operate under the three brands of ArjoHuntleigh, Getinge and Maquet. Getinge provides solutions for infection control within healthcare and contamination prevention within life sciences. Maquet specializes in solutions, therapies and products for surgical interventions, interventional cardiology and intensive care.

ARJOHUNTLEIGH GETINGE GROUP

ArjoHuntleigh focuses on patient handling and hygiene, disinfection, DVT prevention, medical beds, therapeutic surfaces and diagnostics.



ArjoHuntleigh AB Hans Michelsensgatan 10 211 20 Malmö, Sweden www.arjohuntleigh.com

CE

