



**FRESENIUS
MEDICAL CARE**



Haemodialysis

SALSA[®]: compact and functional treatment chair

LiKAMED product portfolio

Introduction

LiKAMED

LiKAMED shares more than 25 years of a successful partnership and expertise with Fresenius Medical Care in the field of medical patient chairs and bed chairs. It is one of the leading providers of dialysis chairs in Europe and abroad. Both companies share a common vision of offering innovative products which improve the patient's quality of life. Products from LiKAMED aim to fulfill the highest standards in terms of patient comfort, ergonomics, functionality and user safety. The medical patient chairs and bed chairs from LiKAMED have a strong international position in our NephroCare and customer clinics and are fully integrated into our Fresenius Medical Care logistics and technical service processes. LiKAMED products, which have an associated technical service, allow Fresenius Medical Care to offer a better range of products and services from one single source, therefore strengthening our relationship with our customers, providing them with solutions and creating value.

LiKAMED company certifications

LiKAMED products are manufactured in Germany, tested according to applicable norms and additionally carry the TÜV product test mark. Through years of experience and rigorous quality controls, we stand together for highest quality made in Germany.

LiKAMED is certified

- QM certification in accordance with ISO 9001
- QM certification in accordance with EN ISO 13485
- Certified environmental management system in accordance with EN ISO 14001

Our partner:

LiKAMED GmbH

For the past 40 years, LiKAMED has been highly successful in the medical sector. The formula for success: design and quality. The idea: using this formula and many years of experience to develop innovative products for practical and convenient use. The claim: all products are developed, tested, manufactured and assembled by LiKAMED in-house specialists and are certified by the applicable ISO management systems. The promise: made by LiKAMED – made in Germany – focussed on design and quality.





Illustrations show colour and equipment variants.

SALSA® A1

Compact chair for all areas

One motor to move the one-piece frame
(Art. no. H260901)



Flexibility with seat position, comfort and shock position

Stepless motorised adjustment from seat- and comfort position to shock position



Illustrations show colour and equipment variants.

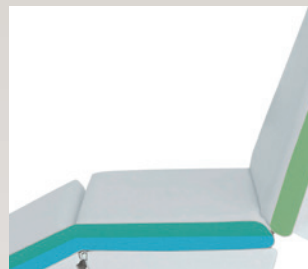
SALSA® A1: compact and functional for patients and personnel

This model offers value-for-money in terms of comfort, and above all infinitely variable motorised adjustment from the seat position to the comfort and shock positions. The key on the hand control unit activates preselected basic settings, allowing users to select the desired position intuitively and instantly. Patient comfort, ergonomics and safety are also priorities. There are easily cleaned, soft full-foam armrests, which can be rotated and tilted for ease of access and positioning.

Features



Armrests are rotatable and can fold upwards



Upholstery (two-layer foam)



Equipotential bonding cable



Hand switch with manual locking function

- One motor to move the one-piece frame
- Grey full foam armrests right and left
- Armrests are rotatable and can fold upwards
- Individually locking casters Ø 7.5 cm

- Upholstery (two-layer foam)
- Power rating 100–240 V AC, 50/60 Hz
- EU power plug

Options



Neck roll with Fresenius Medical Care branding



Manually adjustable footrest

SALSA® A3

Treatment chair with a wide range of functions

Three motors for the adjustment of the back, foot and seat parts
(Art. no. H260921)



A3 hand switch, with buttons for basic settings (seat, shock and Trendelenburg positions) and magnetic locking function



Illustrations show colour and equipment variants.

SALSA® A3: a modern treatment chair for demanding environments

A chair that's good for patients: providing support on comfortable, soft upholstery, the SALSA A3 brings patients to any required position in stepless motion. Powered by three motors, the chair moves from the sitting position to the comfort and bed positions. Thanks to such a level of patient comfort, even treatments lasting several hours can be undertaken in a relaxed manner. In case of emergency, the chair moves the patient into the shock position – and the Trendelenburg position if necessary – at the touch of a button. The soft, pre-shaped foam armrests which are rotatable, tiltable and can be folded upwards, allow good access to the vene and contribute to patients' well-being.

Features



Armrests are rotatable and can fold upwards



Upholstery (two-layer foam)



Equipotential bonding cable

- Three motors for adjustment of the back, foot and seat parts
- Grey, full foam (foamed) armrests right and left
- Armrests are rotatable and can fold upwards

- Individually locking casters Ø 7.5 cm
- Upholstery (two-layer foam)
- Power rating 100–240 V AC, 50/60 Hz
- EU power plug

Options



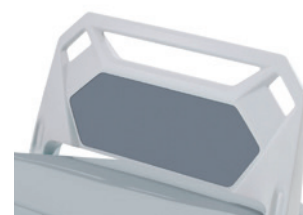
Infusion rod holder right and left rotatable*



Infusion rod, including bottle holder



Upholstery (two-layer foam) with special, soft back and seat parts



Manually adjustable footrest

*Only available for new orders, not for retrofits.

SALSA® A4

Perfect combination of functionality and quality

Four motors for the adjustment of the back, foot and seat parts and height adjustment
(Art. no. H260941)



A4 hand switch, with buttons for basic settings (seat, shock and Trendelenburg positions) and magnetic locking function



Illustrations show colour and equipment variants.

SALSA® A4: the perfect chair for the highest functional requirements

The SALSA A4 is the premium model in the SALSA range and meets the patient when getting in the chair with its stepless motorised height adjustment, making it easier for both the patient and nurses. SALSA chairs are light and stable for loads up to 200 kg, while providing high comfort. In stepless motion, the chair moves from sitting position to the comfort and bed positions. Naturally, the SALSA A4 has all the features of the other models in the range, including soft, pre-shaped foam armrests which are rotatable, tiltable and can be folded upwards and has a shock button to move the chair to the shock or Trendelenburg positions. The SALSA A4 is designed for made-to-measure comfort and safety.

Features



Armrests are rotatable and can fold upwards



Upholstery (two-layer foam)



Stepless motorised height adjustment



Equipotential bonding cable

- Four motors for adjustment of back-, foot- and seat part and height adjustment
- Grey full foam (foamed) armrests right and left
- Armrests are rotatable and can fold upwards

- Individually locking casters Ø 7.5 cm
- Upholstery (two-layer foam)
- Power rating 100–240 V AC, 50/60 Hz
- EU power plug

Options



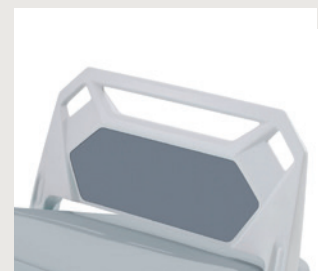
Infusion rod holder right and left rotatable*



Infusion rod incl. bottle holder



Upholstery (two-layer foam) with special, soft back and seat parts



Manually adjustable footrest

*Only available for new orders, not for retrofits.

High flexibility

Adjustment and positioning options

Set the chair to any desired position. The SALSA A3, which is configured to meet your precise requirements, comes with three motors or you can select the SALSA A4 with four motors for additional height adjustment.

Flexibility with seat, comfort and bed positions

Stepless adjustable positioning of the back, seat and foot parts with three separate motors.



Seat position



Comfort position



Bed position

SALSA A4 comes with height adjustment

For older patients in particular, it is important to be able to get into or out of the chair easily, which is why the additional motor on the SALSA A4 for stepless height adjustment is so important. This also allows the chair to be moved into a specific working position, which is a great benefit for the nursing personnel.



Shock or Trendelenburg positions

In case of an emergency, you can move your patient directly to the shock position or further to the Trendelenburg position with the emergency button.



Shock position



Trendelenburg position

Ease of operation

All adjustments can be made quickly and easily with the intuitively designed hand switch. The symbols on the buttons are three-dimensional for operation by visually impaired people. The appropriate handset is supplied with the respective model based on the included functions.

Comfort buttons

One of the most popular functions of LiKAMED chairs: after setting the optimal seat position, the patient can change the position quickly and easily with only one pair of buttons without changing the angles of the seat part, back part and foot part.

Special buttons

The coloured markings ensure that the most important functions are easily visible. Quick adjustment to the shock or Trendelenburg positions is particularly important in case of an emergency.

Magnetic key

The hand switch can be locked and unlocked with the magnetic key.



Greater comfort for your patients



Soft upholstery

The optional, soft cushions in the upholstery has a particularly soft-top layer (optional for SALSA A3/A4).

(not suitable for medical environments except for dialysis and oncology)



Upholstery wedge

between the seat part and back part (optional for SALSA A3/A4).

Rest your head

A relaxation pillow or a neck roll is recommended for optimal comfort in the chair.



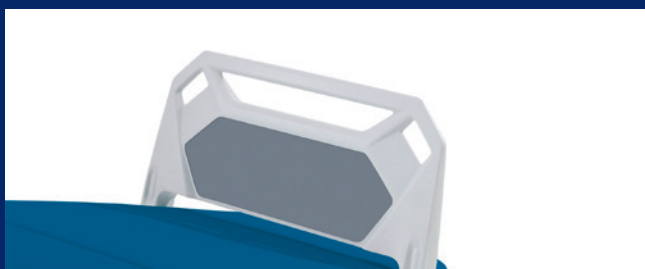
Relax pillow with Fresenius Medical Care branding in the upholstery colour for a relaxed head position.



Neck roll with Fresenius Medical Care branding for support in the neck region. In the upholstery colour.

Footrests

The footrest supports a relaxed seat position and is recommended for specific applications, such as dialysis, in order to give patients the option of pressing their feet against the footrest to relieve cramps.



Manually adjustable footrest

With standard grey plastic footrest inlay. Nursing personnel can adjust the footrest with the setting wheel on the side.



Padded imitation leather footrest inlay

A padded version with easy-care imitation leather cover is available for greater comfort and in colours to match your general colour scheme.

Armrest pads

The range of different pads for armrests makes it easy to make the right choice for your purpose. The full foam armrest pads are comfortable and particularly easy to clean. The range of optional foamed armrest pads with imitation leather covers is particularly broad. Arms are comfortably supported by the slightly concave shape and the integrated holder provides a specific, easily accessible place for the hand switch.



Full foam armrests incl. hand switch holder, right and left



Low, wedge-shaped foam armrests incl. hand switch holder, right and left



Wedge-shaped foam armrests incl. hand switch holder, right and left



Foam armrests covered with imitation leather incl. hand switch holder, right and left

Hygiene and cleaning

Upholstery protection

The robust and easy to clean transparent protective covers protect your chair, even under heavy use with shoes. The hand switch holder on the armrests remains accessible, even with protective covers.



Transparent protective cover for the foot part



Transparent protective cover for the footrest



Transparent protective cover for full foam and foam armrest pads

Further options for SALSA® chairs



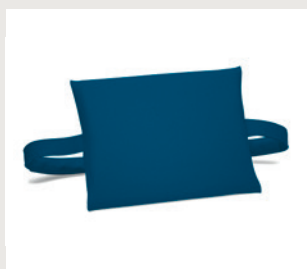
Tiltable armrests



Grey hand switch holder made of imitation leather with velcro for full foam (foamed) armrest



Anti-decubitus gel seat cushion with PU cover in grey



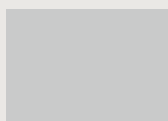
Lumbar support (in upholstery colour)



Paper roll holder

- Other power plugs available upon request*
- Neck roll and relax pillow without Fresenius Medical Care embossing

Standard colours



Stone



Saffron



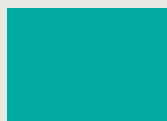
Raspberry



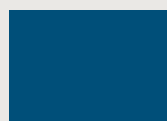
Azure



Kiwi



Agave



Sapphire

For printing reasons, it is possible that there might be slight differences in colour between the brochure and the actual product. If you are interested, please request a personal colour sample. On the neck roll and relax pillow, the strap colour matches the colour of the upholstery.

*Only available for new orders, not for retrofits.

DT 1 and ST 1 side tables

Features

- Single-handed, spring-supported height adjustment
- Removable tabletop with finger hollow
- Tilttable tray (DT 1 model only)
- Detachable plastic storage box
- Holder, e.g. for bags
- Strong metal frame construction
- Plastic-coated subframe with excellent durability and protection against corrosion and abrasion



DT 1 side table, tiltable tray incl. storage box



ST 1 side table, fixed tray incl. storage box

Options



Holder for monitor, etc.,
Ø 16 mm incl. clamping
screw (DT 1 and ST 1)*



Holder for monitor, etc.,
Ø 16 mm incl. clamping
screw (ST 1 only)*



Lid for storage box,
dark grey



Container/bottle holder

Model	DT 1 and ST 1
Height	84–98 cm (adjustable)
Area required	42 × 66 cm
Casters	Ø 5 cm
Storage box:	1
- Capacity	6 l
- Dimensions	Approx. 17 × 27 × 15 cm
- Colour	Light grey RAL 7047
Tray:	2
- Size	40 × 53 cm (removable)
- Small, trapezoidal	40/30 × 18 cm (fixed)
- Colour	Light grey RAL 7047
Colour of frame	Light grey RAL 7047
Maximum load	25 kg
Weight	17 kg

- Flat large tray, not removable, fixed to the frame (ST 1 only)

*Only available for new orders, not for retrofits.

Technical specifications: comparison between the different SALSA models



Technical data	SALSA A1	SALSA A3
Armrests length x width	60.5 cm x 13.5 cm	60.5 cm x 13.5 cm
Upholstery length x width x height	210 cm x 53.5 cm x 7 cm	210 cm x 53.5 cm x 7 cm
Total length (max.) x width	199.5 cm x 80.8 cm	229 cm x 80.8 cm
Seating height	64 cm	63.5 cm
Adjustment range of seat inclination	46°	15°
Angle of inclination		
- Back part	Shoulder area 84° to 38°, Loin area 64° to 18°	Shoulder area 86° to 6°, Loin area 66° to -14°
- Seat part	-4° to 50°	-2° to 17°
- Foot part	-29° to 17°	-30° to 21°
- In the shock position (back section horizontal)	50° (back part not horizontal)	17°
- In the Trendelenburg position	-	17°
Upholstery material	UV-proof, impermeable to moisture, checked for biocompatibility and toxicity, flame retardant	UV-proof, impermeable to moisture, checked for biocompatibility and toxicity, flame retardant
Cover and metal frame colour	Light Grey RAL 7047	Light Grey RAL 7047
Upholstery colour	Refer to the colour chart	Refer to the colour chart
Footrest and armrest colour	Grey	Grey
Casters		
- Individually locking Ø 7.5 cm	●	●
- Individually locking Ø 10 cm	○	○
Motorised adjustment of the		
- Back part	Whole frame	●
- Seat part	-	●
- Foot part	-	●
- Height adjustment	-	-
Equipotential bonding	●	●
Power rating, primary	100–240 V AC, 50/60 Hz	100–240 V AC, 50/60 Hz
Power rating, secondary	29 V	29 V
Fuses	internal	internal
Protection type hand control unit	IP 66	IP 66
Protection class/type controller	II/IP X4	II/IP X4
Duty cycle	Two minutes ON/18 minutes OFF or 10 % with up to five switching cycles per minute	Two minutes ON/18 minutes OFF or 10 % with up to five switching cycles per minute
Power/Electricity consumption in standby	Approx. 2 W	Approx. 2 W
El. equipment/EMC	DIN EN 60601-1, 60601-1-2	DIN EN 60601-1, 60601-1-2
Spiral power approx.	2.0 m to 3.5 m	2.0 m to 3.5 m
Permitted air pressure	800 to 1060 hPa	800 to 1060 hPa
Ambient temperature	10° to 40° C	10° to 40° C
Emission sound pressure level	< 65 dB(A)	< 65 dB(A)
Medical device class	I	I
Application parts type	B	B
Safe working load	200 kg	200 kg
Weight (without options)	45 kg	55 kg
Guarantee	2 years	2 years

● = Standard ○ = Option



SALSA A4

60.5 cm x 13.5 cm

210 cm x 53.5 cm x 7 cm

229 cm x 80.8 cm

56.5 cm to 68 cm

15°

Shoulder area 86° to 6°, Loin area 66° to -14°

2° to 17°

-30° to 21°

17°

17°

UV-proof, impermeable to moisture, checked for biocompatibility and toxicity, flame retardant

Light Grey RAL 7047

Refer to the colour chart

Grey

●

○

●

●

●

●

●

100–240 V AC, 50/60 Hz

29 V

internal

IP 66

II/IP X4

Two minutes ON/18 minutes OFF or 10 % with up to five switching cycles per minute

Approx. 2 W

DIN EN 60601-1, 60601-1-2

2.0 m to 3.5 m

800 to 1060 hPa

10° to 40° C

< 65 dB(A)

I

B

200 kg

57 kg

2 years

Subject to technical alterations, improvements and errors.

Article numbers

SALSA dialysis chairs		Upholsters colour
H260901	LiKAMED – SALSA A1 (with EU power plug line; equipotential bonding cable; one motor to move the one-piece frame; grey, full foam armrests; individually locking casters 7.5 cm in diameter; shock position; NO footrest, NO pillow/neck roll)	Stone
H260921	LiKAMED – SALSA A3 (with EU power plug line; equipotential bonding cable; three motors for the adjustment of the back, foot and seat parts; grey, full foam armrests; individually locking casters 7.5 cm in diameter; Trendelenburg position; NO footrest; NO pillow/neck roll)	Stone
H260941	LiKAMED – SALSA A4 (with EU power plug line; equipotential bonding cable; four motors for the adjustment of the back, foot and seat parts and height adjustment; grey, full foam armrests; individually locking casters 7.5 cm in diameter; Trendelenburg position; NO footrest; NO pillow/neck roll)	Stone

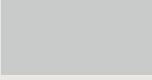






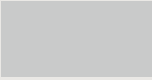






SALSA upholstery and head-, arm- and footrest options (for new orders only)

F00008912	LiKAMED chair manual footrest with grey standard decor
F00010306	LiKAMED chair imitation leather decor for the footrest inlay in upholstery colour
F00008907	LiKAMED chair relax pillow with Fresenius Medical Care logo (in upholstery colour)
F00008908	LiKAMED chair neck roll with Fresenius Medical Care logo (in upholstery colour)
5074671	LiKAMED chair <u>without</u> Fresenius Medical Care embossing on the relax pillow or neck roll
5073951	LiKAMED chair lumbar support (in upholstery colour)
F00008436	LiKAMED SALSA with special, soft upholstery (only available for SALSA A3/A4; guarantee period for this upholstery is six months)
F00008432	LiKAMED grey gel chair seat cushion
F00009341	LiKAMED upholstery wedge between the seat and back part
5073961	LiKAMED chair two foam armrests (in upholstery colour)
5073971	LiKAMED chair two low, wedge-shaped foam armrests (in upholstery colour)
5073981	LiKAMED chair two wedge-shaped foam armrests (in upholstery colour)
F00008437	LiKAMED SALSA two tiltable armrests

Further Optional Equipment (for new orders only)

F00008435	LiKAMED SALSA infusion rod holder (only available for SALSA A3/A4)
H260241	LiKAMED chair infusion rod with bottle holder (only available in conjunction with the SALSA infusion rod holder)
F00008433	LiKAMED chair paper roll holder
H260861	LiKAMED hand switch holder hook and loop tape grey for full foam armrest
F00008841	LiKAMED hand switch holder hook and loop tape grey <u>long</u> for foam armrest

SALSA colour options (for new orders only)

Article no.	Upholstery		Article no.	Upholstery	
5074691	Stone (standard)		5074711	Raspberry (standard)	
5074701	Saffron (standard)		5074781	Sapphire (standard)	
5074721	Azure (standard)		5074731	Kiwi (standard)	
5074611	Agave (standard)				
Article no.	Relax pillow/neck roll		Article no.	Relax pillow/neck roll	
5074171	Stone (standard)		5074711	Raspberry (standard)	
5074971	Saffron (standard)		5074781	Sapphire (standard)	
5074991	Azure (standard)		5074731	Kiwi (standard)	
5077951	Agave (standard)				

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F00008439	LiKAMED chair imitation leather decor inlay in same colour as the relax pillow/ neck roll
5074181	LiKAMED chair lumbar support in same colour as the relax pillow/neck roll
5074191	LiKAMED chair foam armrest in same colour as the relax pillow/neck roll
5073861	LiKAMED chair relax pillow/neck roll strap in same colour as the relax pillow/neck roll

SALSA Cover Options (for new orders only)

H260311	LiKAMED transparent cover for full foam armrests (one piece)
F00010184	LiKAMED chair transparent cover for foam (imitation leather) armrests (one piece)
5074091	LiKAMED chair transparent cover wedge armrests (one piece)
5074081	LiKAMED chair transparent cover low wedge foam armrests (one piece)
F00008441	LiKAMED chair transparent cover foot part
F00008923	LiKAMED chair transparent cover footrest

Likamed Side Tables & Options (for new orders only)

6296881	LiKAMED ST 1 – side table, fixed tray (incl. storage box)
6296891	LiKAMED DT 1 – side table, tiltable top (incl. storage box)
H260491	LiKAMED DT1/ST1 bottle holder integrated in the fixed small tray
5074881	LiKAMED ST1 flat large tray – not removable, fixed to the frame
5074891	LiKAMED ST1 holder for monitor, etc., fixed to the large tray frame
5074901	LiKAMED DT1/ST1 holder for monitor, etc., fixed to the small tray frame
5074911	LiKAMED DT1/ST1 lid for the storage box, dark grey colour



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MEDICAL CARE**

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