

The Lift Toilet

Instruction of use

1. Description
2. Safety details
3. Operation
4. Cleaning
5. Maintenance and guarantee
6. Trouble shooting
7. Spare parts



*Is a good feeling to be sure
and independent*



1. Description

Congratulation too choosing the lift toilet

The Santis SilverCare Lift Toilet is the result of an EU research program under the name of: FRR – Friendly Rest Room / Intelligent Toilette / Project NR: QLK6-2001-00458

FRR was a research program, which concentrates on the operator's needs. It developed prototypes of new, self-adapting toilettes for the support of old or handicapped people. 11 institutions in 5 European countries took part in the development and reinforced by intensive tests the advantages for users and the nursing staff.



Recommended by:

- MS Day Centrum of Caritas Socialis Wien
- Austrian / European MS platform,
- Eurag - European Federation of Older Persons,
- Fortec - Research Group for Rehabilitation Technology, TU Wien


The equipment confirm to the highest standard in regard of quality and operation
Special attention has been given to all mechanical and electrical parts

The assembly confirms GS Standards verified by the tech. Univ. Berlin according all safety aspects, functioning and operating risks.



1.1 Data plate

On top of electric box behind upper cover

Made by	SANTIS KFT		
	H-4034 Debrecen		
Pipóhegy u. 16			
Type:	HELP - Lift-Toilet		
Serial Nr		Year :	
Electrical connect:		Un = 220 - 230 V / 50 Hz	
Nominal current: In=1 A		Connected load: 0,2 kW	
Safety type IP21			
Weight: 78 kg		Max. Lifting power 1,35 kN	
Load safety grip: 1,5 kN			
Water consumption per flush: 6 Litter			
Water pressure 1,5 - 6 bar			

1.2 Technical data:

Dimension:	1500 x 750 mm, depth 900 mm
Weight:	78 kg
Lifting:	top edge –ground floor to top edge-ceramic directly wall connection 400 - 750 mm
Tilting:	-2 - +10° (Option)
Load ceramic:	1,35 kN load (135 Kg)
Load safety grips:	1,5 kN
Flush volume:	6 Litter per flush
Water connection:	angle valve G 3/8 or G 1/2
Waste water connection:	Lift-WC directly wall connection HT-bush DN 100, central behind the unit, Height from ground Floor 230 mm

1.3 Elektrical data

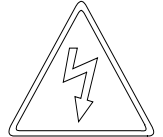
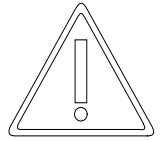
Lift drive vertical:	24 v DC, P1 = 0,08 kW
Tilting drive:	24 V DC, P2 = 0,08 kW
Excrement's pump :	220 - 230 V / 50 Hz, P3= 0,550 KW
Flush motor:	15 V, P4=0,002 kW
Connection:	220 - 230 V / 50 Hz, Net,with FI safety switch 30 mA, 16 A, safety category IP 00
Control unit:	Alarm potential free, switching voltage Un = 2V, In = 0,5 A
Fuse electronic::	fine fuse 2 A, daley fuse overhead in Switching box, can be change from exterior

2. Safety instructions:

2.1 Placement of installation and electrical connection

The Unit can be only in accord with. DIN 57100 Teil 701 "safety regulations for washing and shower rooms " only in zone 3 positioned. The mains socket will be assured with a protection residual current - 30 mA. The local potential equalisation will be connected on the marked place.

This work will be done only by certified persons.



2.2 Maximal load from toilet ceramic (for lifting and tilting movement): 1,35 kN dynamic (135 kg).

2.3 For lifting and tilting movements please attend that the zone under the ceramic is free.

Attention!!!

2.4 Apply only folding upwards safety grip bar. If safety grip moves down "hands away" from grip bearing catch zone.

Attention!!!

2.5 Use no water pressure on cover or on control unit!

2.6 The end delimiter from the lifting and tilting is a forced disconnects opening contact switched in the main circuit of the driving motor. A trouble through traverse the end points is excluded.

2.7 Equipment supplied with pressure pump may clog if oversized materiel is flushed.

3. Operation

3.1 Control Unit:

1. Call signal
2. Flush
3. Lift up
4. Lift down
5. Tilting up
- 6 Tilting down

Operates as long button is pushed

3.2 Operation about in the safety grip integrated buttons

The operation can be controlled by foil buttons integrated in the safety grip. Right side is lifting and tilting, left side is flush and alarm signal integrated

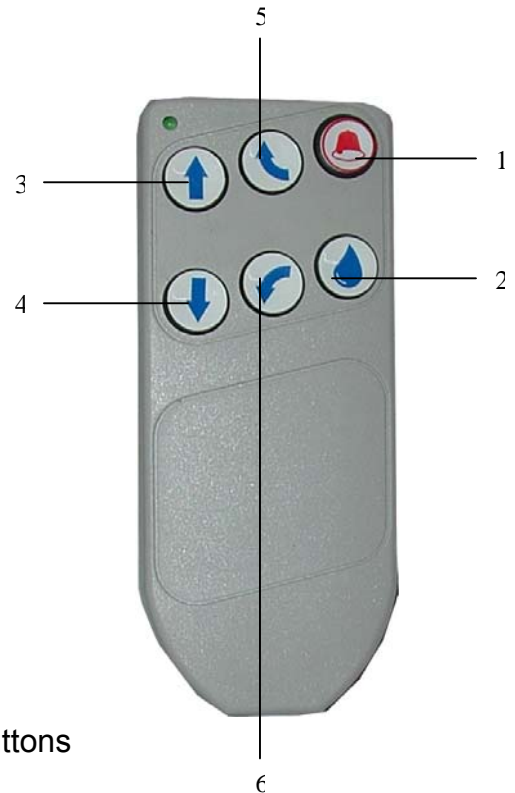
The lift toilet can be controlled item by remote control. The remote controller can be connected on both sides from the unit.

The 24 V current supply guarantee absolute safeness for the user

4. Cleaning

certain hints should be followed in cleaning operation

- 4.1 for cleaning the cover and safety grip, use mild soap only
- 4.2 Do not clean the unit with pressurized water.
- 4.3 Not installed the unit in place with temperature below 0 degree. Do not haze heating air or electrical heater close to the equipment.
- 4.4 use mild soap only in the cleaning the bowl.



5. Maintenance and guarantee

To ensure proper and permanent funktion we suggest a main contract which provides and annual inspection.

5.1 Content main contract:

5.2 check water connections for cracks and wear replace when needed

5.3 control of flush installation.

5.4 control of rolling cover and pump.

5.5 check wall mounting

5.6 check control unit and cable

5.7 guarantee lasts 24 Month..

5.8 electrical diagrams are inside the power box



6 Trouble shooting

6.1 Clogged waste pump (only Lift toilet equipped with pump)

Disconnect bowl and remove clogging material, then reinstall

For other malfunction .contact maintenance

6.2 No function of control unit.

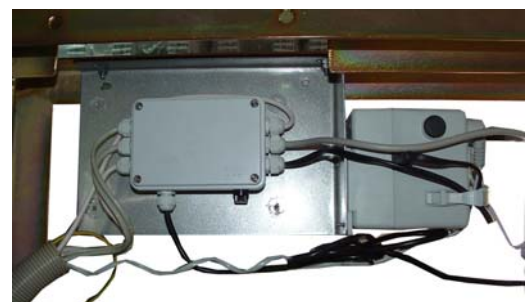
- a.) Check unit and cable connection
- b.) Check fuse on the overhead from the unit and replace it if needed. The fuse is under the cover. For replace the fuse removing it.

Do not manipulate fuse and/or holder
(220 V Spannung Ig!)

Reserve fuse 2 A dull ϕ 5 x 20 lg it rest
with. Picture 2

If unit is still, no function contacts maintenance.

Picture 2



Normaly the elctric power and water input are installllled behind upper cover.
Remove the cover (picture 3) to have acces to electronic box.

Lower toilet to the lowest position. Remove screws on the top of upper cover. Pull cover forward and slide of upwards. (picture 3)



Picture 3

CAUTION!

Working on electrical components:

1. Disconnect unit from power source
2. Only performed by certified personal

7. Spare parts

1 each fuses Type:

Diameter Ø 5x20, Voltage 230 V, 2 A

1 each fuse is provided as spare.