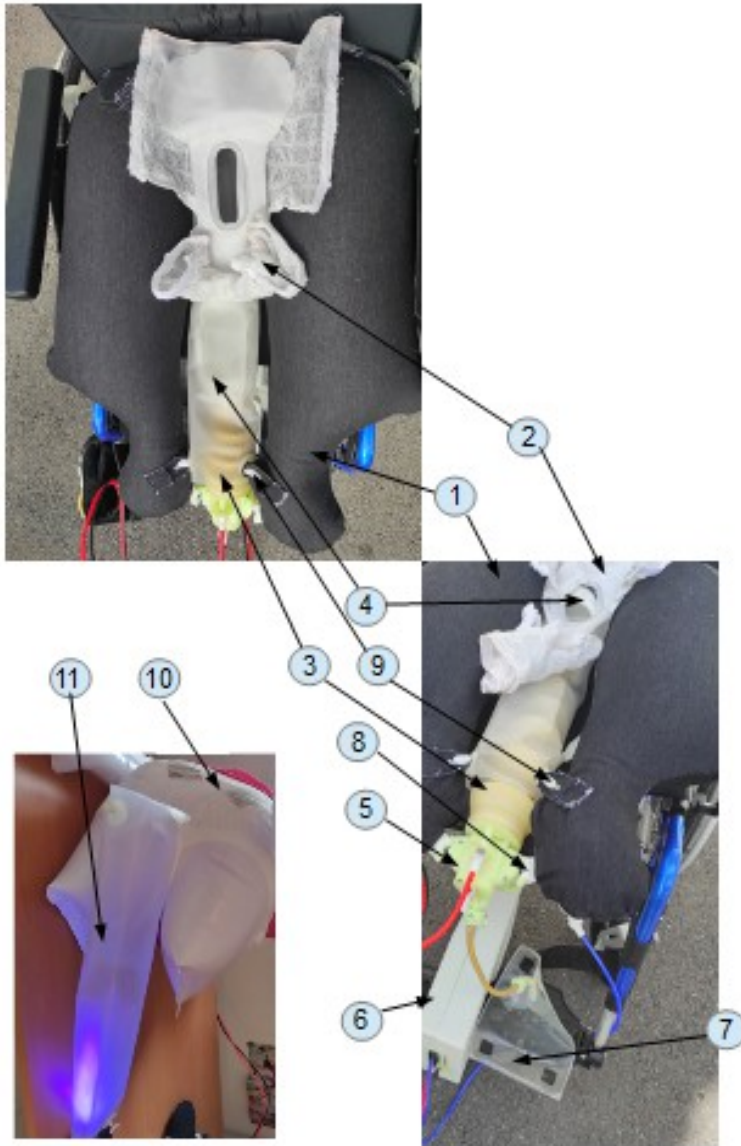


## ICK1-P1 in Ready for use mode

### 1 General overview of the medical device

#### Description of ICK device spare parts



2 Initial assembly instruction for carer (N°1 at home) :

Inflating body's pelvis lift buoy

The beige bag contains the portable control box and the three pneumatic connectors that connect it to the three cavities of the medical device to inject compressed or vacuum air.

The beige bag also contains the body's pelvis lift buoy (1), which is covered with a textile cover in the same colour as the seat of the wheelchair on which it must be placed.

After the pneumatic connection between the control box (6) and the horseshoe shape buoy (1), the latter is inflated.



3 Initial assembly instruction for carer (N°2 at home) :

Attach the disposable collector to the body's pelvis lift buoy

The disposable collector (2) consists of a textile part, with a plastic coating for waterproofing, enveloping the user's pelvis, and a cylindrical guide duct.

This cylindrical duct is attached to both ends of the horseshoe-shaped buoy using collector's flexible fasteners (9). The purpose of this tube is to allow the mobile soft bedpan (4) to slide easily between a collection position under the anus and meatus and a position where it is not supported by the body.



**Carer's Guide : [ICK assembly and disassembly instructions](#)**

**4 Initial assembly instruction for carer (N°3 at home) :**  
**Embed the pneumatic urine pump in the extraction unit**

The pneumatic urine pump (5) allows urine to be pumped without coming into contact with electronic components and receives energy only from compressed air, avoiding the need for electricity, close to a body that may be soiled with urine.



The extraction unit is the combination of a pneumatic drive unit (3) and a mobile soft bedpan (4), integral with each other.

**5 Initial assembly instruction for carer (N°4 at home) :**  
**Insert the extraction unit into the guide duct and secure it to the buoy using buoy's front flexible fasteners**

The pneumatic urine pump (5) is also an anchor point for pneumatic drive unit(3), which propels or pulls the soft bedpan mobile

The curvilinear side tubes of the pneumatic urine pump (5) must be inserted into the flexible hollow ducts named buoy's front flexible fastener (8)





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- 6 Initial assembly instruction for carer (N°5 at home) :  
Connect the air supply connector to the pneumatic urine pump  
Connect the air supply connector to pneumatic drive unit  
Connect the urine bag to the pneumatic urine pump



- 7 Initial assembly instruction for carer (N°6 at home) :  
Transfer of the disabled person to the wheelchair

Using a lift or any other transfer device, the carer ensures that the disabled person sits on the inflated buoy, supporting user's buttock and thighs. The front part of the buoy, known as the knee pushers, allows the thighs to be spread apart at the moment of elimination for those who are unable to do so.

On each side of the post-surgery underwear section, velcro fasteners allow you to close the side.

After ensuring that the textile and plastic parts surrounding the user's pelvis are correctly fitted and positioned to ensure that the device is watertight and that stools and urine converge towards the mobile soft bedpan (4), then carer finishes dressing the person from above.



## 8 Initial assembly instruction for carer (N°7 at home) :

### Start deflating the buoy

When the body's pelvis lift buoy (1) is deflated, the front part of the device is not kept horizontal in relation to the wheelchair seat.

The disposable collector (2) and the extraction unit (3+4) fall between the user's legs.

It is possible to manufacture garments that conceal the entire device. These photos have been chosen to show the position of the device when it is not being used by the wheelchair user, at home.

The control box (6) can be placed on the footrests or under the armrest.

There are other ways of placing the control box on an electric wheelchair.

The battery-powered control box is designed to enable people to move around both at home and away from home.

The carer must ensure that the user can control the medical device, using the selected command, before leaving the disabled person.



## 9 User control of the device before, during and after disposal :

The user can control, without any human assistance, the five main functions of the medical device :

1. Inflate the body's pelvis lift buoy (1)
2. Move the soft bedpan (4) to the collection position (under the anus and meatus)
3. Pumping urine from the mobile soft bedpan (4) and iand expel it into the urine bag (7)
4. Moving the mobile soft bedpan towards user's thighs
5. Deflating the body's pelvis lift buoy (1)

It is possible to treat multiple micturitions, till the mobile soft bedpan (4) is full of faeces. In this context, the medical device is no longer functional until a carer arrives.

You can watch below these short videos to see the ICK1-P1 medical device in action (stools collection / urine collection)

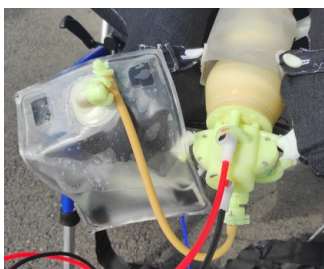


Carer's Guide : [ICK assembly and disassembly instructions](#)

10 At the end of the day, the carer returns to the user's home / instruction N°8 :

Empty the collected urine into the toilet

The carer must separate the filled urine bag (7) from the incoming tube by twisting it. After emptying the urine bag into the toilet, it can be washed and disinfected before being reconnected to its inlet tube for further micturations.



11 At the end of the day, the carer returns to the user's home / instruction N°9 :

Treat a stool flow

The extraction unit (3+4) should be removed from the cylindrical tube using latex or vinyl gloves and using a stainless steel container to take the extraction unit to the user's bathroom for washing and disinfection.

To do this, first disconnect the pneumatic connectors to the pneumatic urine pump (black tube) and pneumatic drive unit (orange tube).



12 Improvements that are planned for the next versions of the ICK medical device :  
depending on the funds that are raised

All of these improvements are technically feasible

1. Inflating the body's pelvis lift buoy in under a minute
2. A single pneumatic connection for all air flows, with a single connection on the control box side and a single connection on the medical device side.
3. Pneumatic urine pump and pneumatic drive unit combined in one reusable spare part
4. The medical device can be controlled by voice command, or by remote control for people who do not wish to use a smartphone.
5. Reducing the size and the volume of rigid parts placed between the legs. Embedding them in flexible parts.
6. Creation of a wide range of garments to conceal the device, depending on the weather and your preferred clothing style.
7. Offer mobile soft bedpan with greater collection capacity for obese people

Some of those improvements will be available on the seated and bedridden model which will offered on rental (seated model / bedridden model)

