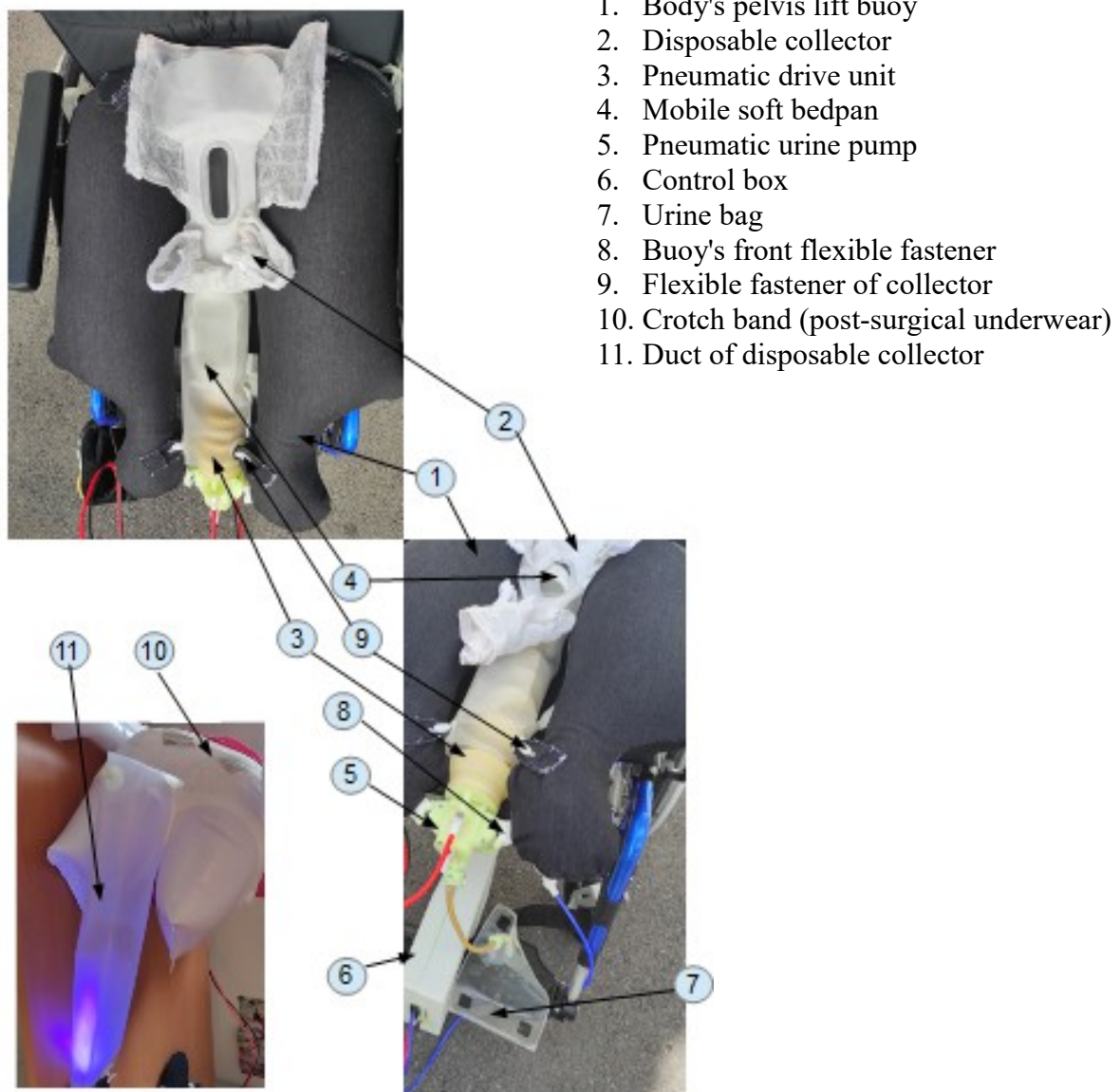


## ICK1-P1 in security mode use

### 1 General overview of the medical device

#### Description of ICK device spare parts



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

### Inflating the 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 air or vacuum.

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 the 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 the user's body is not supported.

The disposable collector is stored in the black bag that the carer will have to carry when accompanying the person in the wheelchair.



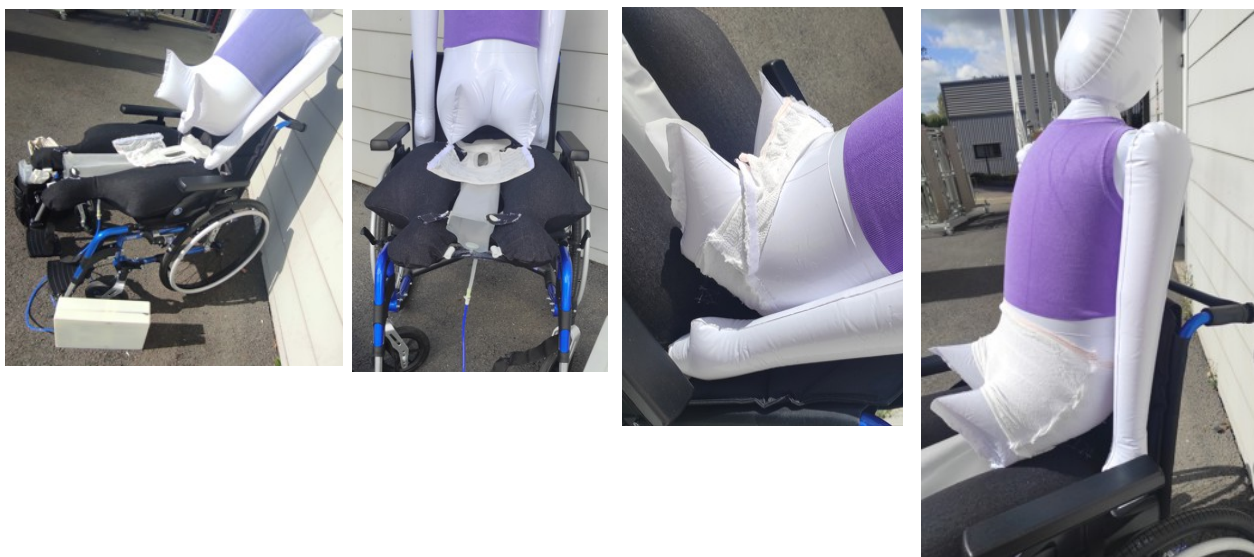
#### 4 Initial assembly instruction for the carer (N°3 at home) :

##### 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. 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.

Velcro fasteners are used to join the outer cover of the post-operative underwear to form a briefs.

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.





5 Initial assembly instruction for the carer (N°4 at home) :

Help the disabled person to get dressed, then deflate the buoy and hide it

To enable people with disabilities to hide the medical device when going out in places where there are no adapted toilets, you need to use the buoy's deflation function and tuck any visible parts under her skirt or dress.

This safety mode makes it easier to stay outside for longer periods of time.



## When it is necessary to dispose of bodily waste outside the home

### 6 Supplementary assembly instruction for the carer (N°5 outdoor) :

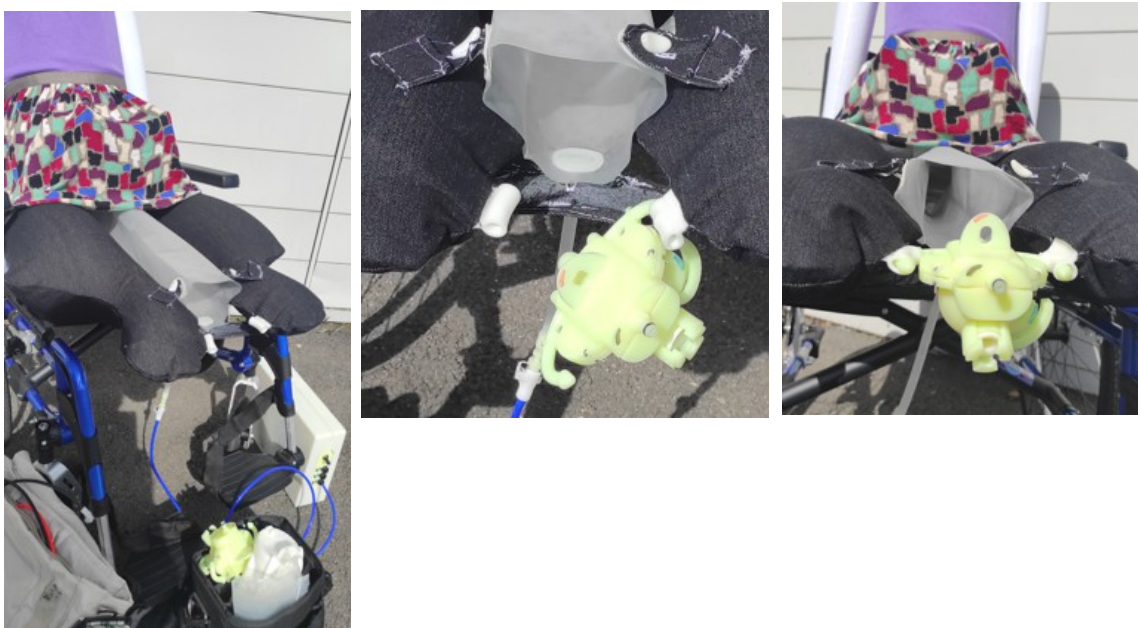
#### Attach pneumatic urine pump using buoy's flexible front fasteners

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 one body that may be soiled with urine.

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)

The body's pelvis lift buoy can be inflated before or after attaching the pneumatic urine pump (5) to the buoy by attaching the pneumatic urine pump to buoy's front flexible fasteners (8).



7 Supplementary assembly instruction for the carer (N°6 outdoor) :

Insert the extraction unit (3+4) and embed it with the pneumatic urine pump (5)

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

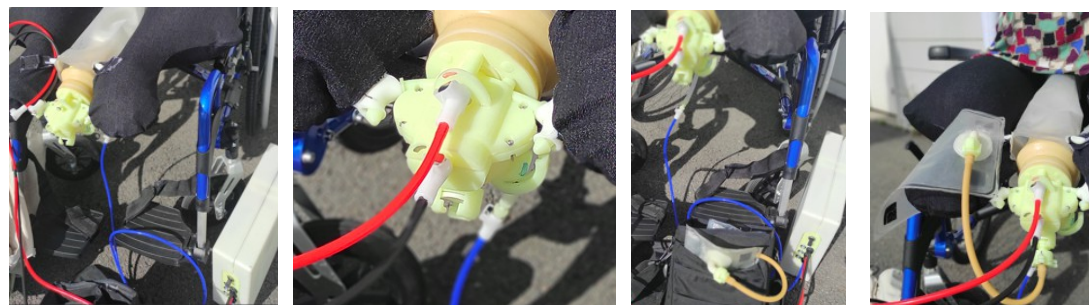


8 Supplementary assembly instruction for the carer (N°7 outdoor) :

Connect the air supply connector to the pneumatic urine pump (black tube)

Connect the air supply connector to pneumatic drive unit (orange tube)

Connect the urine bag to the pneumatic urine pump



## Carer's Guide : Assembly and disassembly instructions

### 9 Supplementary assembly instruction for the carer (N°8 outdoor) :

Move the mobile soft bedpan to the collection location under the anus and meatus

The disabled person may be assisted by a carer who accompanies her from home, or they may be assisted by a person who is present where she is.

The carer could use the user's smartphone or remote control or voice command to move the mobile soft bedpan into position for collection under the anus and meatus, before leaving the disabled person, in as discreet a place as possible, for her elimination need.



Flexible extensions of the mobile soft bedpan (4) touch the skin to the left and right of the anus, informing the device user of the bedpan passage by touch for greater comfort and serenity.



## 10 User control of the device before, during and after disposal (N° 9 outdoor) :

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 stools.  
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)

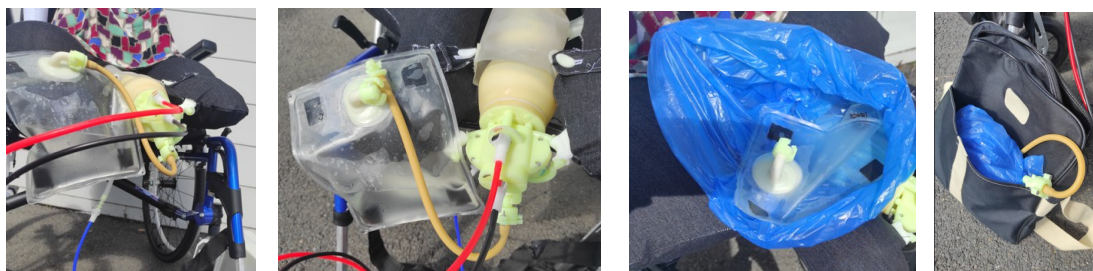


11 Disassembly instruction for the carer (N°10 outdoor) :

Empty the collected urine, into the toilet

The carer must separate the filled urine bag (7) from the inlet tube by twisting it.

**For outdoor use :** After emptying the urine bag into the toilet, the urine bag can be placed in a garbage bag, sealed and placed in a washable body waste bag.



12 Disassembly instruction for the carer (N°11 outdoor) :

Treat a stool flow

First disconnect the pneumatic connectors to the pneumatic urine pump (black tube) and pneumatic drive unit (orange tube).

The extraction unit (3+4) should be removed from the cylindrical guide tube using latex or vinyl gloves and placed in a waste bag.

Once the latex gloves have been removed, this waste bag can be sealed and placed in a the same washable body waste bag.



13 Disassembly instruction for the carer (N°12 outdoor) :

Remove the disposable collector and practice intimate hygiene.

To remove the disposable collector, unbutton the flexible fasteners of the collector (9) at both ends of its cylindrical tube. As the back fasteners are not easy to unbutton, it is possible to break them with a sharp pull.

Once the fasteners have been broken or unbuttoned, the skirt must be lifted so that the Velcro side fasteners can be removed from the textile part of the disposable collector (2).

Once completely detached from the body and buoy, the collector should be placed in a waste bag.

Once the disposable collector has been removed, a disposable mattress protector should be placed to protect the wheelchair seat.

The space left between the two arms of the inflated horseshoe-shaped buoy(1) allows the carer to perform an hygiene of the intimate area.

This safe way of using the device means you can deal with unforeseen disposal away from home and avoid the embarrassment of returning home dirty.



14 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 medical 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)

