

CLAIMS

1. A canister for a mobile negative pressure wound therapy (NPWT) device associated with a user, the canister adapted to be in fluid communication with a wound site and
 5 capable of receiving fluids from the wound site, wherein the canister comprises:

- an inlet port fluidly coupled to an inner volume of the canister at a first position,
- an outlet port fluidly coupled to the inner volume of the canister at a second

position, the second position being arranged at a preset distance from the first position,

- a filter member arranged in a vicinity of the outlet port, and

10 - a liquid absorbent material arranged inside a portion of the inner volume of the canister, the liquid absorbent material adapted to collect a liquid from the wound site, wherein:

- the canister further comprises a bypass member formed as a recess in the wall of the canister,

15 the liquid absorbent material is spaced apart from the filter member such that a space (317) is formed there-between, and

the bypass member is arranged to fluidly connect the inlet port with the space between the filter member and the liquid absorbent material adapted to at least partly allow passage of air from the inlet port to the space between the filter member and the liquid absorbent material.

20 ~~2. The canister according to claim 1, wherein the liquid absorbent material is spaced apart from the filter member such that a space is formed there-between, and the bypass member is arranged to fluidly connect the inlet port with the space between the filter member and the liquid absorbent material.~~

25 ~~23. The canister according to claim 12, wherein the canister further comprises a spacer arranged between the liquid absorbent material and the filter member.~~

30 ~~34. The canister according to claim 23, wherein the spacer at least partly enclosing the space formed between the filter member and the liquid absorbent material.~~

~~45. The canister according to any one of claims claim 23 and 34, wherein the spacer comprises a plurality of separated finger portions.~~

35 ~~56. The canister according to claim 23, wherein the canister comprises a top portion and a bottom portion, and the spacer encircles the outlet port and extends a predetermined distance from the filter member in a direction from the top portion towards the bottom portion of the canister.~~

67. The canister according to claim ~~56~~, wherein the predetermined distance is up to 1 cm.

5 ~~78~~. The canister according to any one of the preceding claims, further comprising a filter chamber fluidly connected to the outlet port, wherein the filter member covers a portion of the filter chamber.

10 ~~89~~. The canister according to claim ~~78~~, wherein the filter chamber has an oval shape.

~~910~~. The canister according to any one of the preceding claims, wherein the filter member comprises a hydrophobic membrane.

15 ~~11~~. The canister according to any one of the preceding claims, wherein the bypass member is formed as a portion of a wall of the canister.

~~1012~~. The canister according to claim ~~111~~, wherein the bypass member is formed as a recess in the wall of the canister.

20 ~~1113~~. The canister according to any one of claim 1 – ~~910~~, wherein the bypass member is arranged as a tubular element.

25 ~~1214~~. The canister according to claim ~~1113~~, wherein the tubular element is arranged to pass through or around the liquid absorbent material.

~~1315~~. The canister according to any one of the preceding claims, wherein the liquid absorbent material comprises a hydrophilic polyurethane foam.

30 ~~1416~~. The canister according to any one of the preceding claims, wherein the liquid absorbent material is a hydrophilic sheet.

~~1517~~. The canister according to claim ~~1416~~, wherein the hydrophilic sheet is folded within the canister.

1618. The canister according to any one of the preceding claims, further comprising a baffle arranged between the inlet port and the liquid absorbent material.

1719. The canister according to any one of the preceding claims, wherein the inner volume of the canister is between 50 – 300 ml, preferably arranged to collect at least 25 ml of the liquid from the wound site.

1820. The canister according to any one of the preceding claims, wherein a tongue portion of the liquid absorbent material is arranged to extend in a direction towards the inlet port and is adapted to be separated from the inlet port with a predetermined separation distance.

1921. The canister according to claim 1820, wherein the predetermined distance is selected within a range of 5 – 20 mm.

2022. A mobile negative pressure wound therapy (NPWT) device ~~associated with a user~~, wherein the NPWT device comprises a canister according to any one of the preceding claims.

2123. The NPWT device according to claim 2022, wherein the canister is detachably connected to the housing.

2224. A mobile negative pressure wound therapy (NPWT) device ~~associated with a user~~, comprising:

- a housing,
- a negative pressure pump arranged within the housing,
- a canister having an inlet port and an outlet port, wherein the inlet and the outlet port fluidly coupled to an inner volume of the canister, and the outlet port is fluidly connected to the negative pressure pump, wherein the inlet port is adapted to be fluidly connected to a wound cover, the wound cover provided for creating a sealed space defined in part by a wound site,
- a battery arranged within the housing, the battery provided for powering the NPWT device, and

- a control unit arranged within the housing, the control unit electrically connected to the battery and adapted to control an operation of the negative pressure pump to selectively establish a negative pressure within the sealed space, wherein the canister comprises:

- 5 - a filter member arranged in a vicinity of the outlet port,
 - a liquid absorbent material arranged inside a portion of the inner volume of the canister, the liquid absorbent material adapted to collect a liquid from the wound site, ~~and~~
 - the liquid absorbent material is spaced apart from the filter member such that a space is formed there-between, and
 10 - a bypass member formed as a recess in the wall of the canister and adapted to fluidly connect the inlet port with the space between the filter member and the liquid absorbent material to at least partly allow passage of air from the inlet port to the space between the filter member and the liquid absorbent material.

15 2325. The NPWT device according to claim ~~22~~24, wherein the canister is detachably connected to the housing.

~~26. The NPWT device according to any one of claims 24 and 25, wherein the NPWT device is adapted for home care.~~

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~~24~~27. A wound treatment system, comprising:

- an NPWT device according to any one of claims ~~22~~24 – ~~23~~26, and
- a wound cover.