CLAIMS

1. A connector device (1) for a negative pressure wound therapy system, said connector device (1) comprising:

- a connector housing (2),
- a fluid outlet (3) connected to said connector housing (2),
- an air feeding port (4),
- an air filter (5), and
- coupling means (6),

wherein:

- said fluid outlet (3) is adapted to be connected to a negative pressure source (23),
- said connector device (1) being adapted to be engaged with a wound side connector (25) of a wound side assembly (19) by means of said coupling means (6),
- said wound side assembly (19) comprising a fluid removing conduit (21) and an air supplying conduit (22),
- a portion of each one of said fluid removing conduit (21) and said air supplying conduit (22) being connected to said wound side connector (25), and
- said connector device (1) being such that when said connector device (1) is engaged with said wound side connector (25), said fluid removing conduit (21) is fluidly connected to said fluid outlet (3) and said air supplying conduit (22) is fluidly connected to said air feeding port (4) such that air ambient of said connector device (1) can be fed to said air supplying conduit (22) via said air filter (5) and said air feeding port (4),

characterized in that:

- said connector device (1) further comprises an air feeding conduit (33) comprising said air feeding port (4) and an air inlet opening (17), said air feeding conduit (33) being an integrated part of said connector housing (2),
- said connector housing (2) has a connector housing device side (2a) and a connector housing coupling side (2b), said connector housing device side (2a)

being positioned on the opposite side of said connector housing coupling side (2b),

- said connector device (1) adapted to be connected to said wound side connector (25) at said connector housing coupling side (2b),
- said air filter (5) is arranged inside an air filter housing (16) comprising the air inlet opening (17) arranged to allow air to flow through said air filter (5), wherein said air inlet opening (17) is provided on said connector housing device side (2a),
- said air filter housing (16) is arranged as an integrated part of the connector housing (2), and
- said air filter (5) provides an air leakage of between 10ml/min to 70 ml/min at a pressure of 120 mmHg.

2. The connector device (1) according to claim 1, wherein said connector housing (2) has a connector housing device side (2a) and a connector housing coupling side (2b), said connector device (1) being adapted to be connected to said wound side connector (25) at said connector housing coupling side (2b), wherein said air inlet opening (17) is provided on said connector housing device side (2a).

3. The connector device (1) according to any one of the preceding claims, wherein said air inlet opening (17) is arranged at a radial distance from said fluid outlet (3).

4. The connector device (1) according to any one of the preceding claims, wherein a fluid conduit (7) is connected to said fluid outlet (3).

5. The connector device (1) according to any one of the preceding claims, wherein said air filter (5) provides an air leakage of between 15ml/min to 55 ml/min at a pressure of 120 mmHg.

6. The connector device (1) according to any one of the preceding claims, wherein said connector device (1) by means of said coupling means (6) is adapted

to form a snap-on, threaded, luer-lock, or bayonet engagement, preferably a release snap-on, threaded or bayonet engagement, with said wound side connector (25).

7. A branched connector device (10) comprising a branched conduit (14) which in turn comprises a first and a second branch portion (11, 12), said branched connector device (10) further comprising a connector device (1) according to any one of claims 1 – 6, wherein said first branch portion (11) is connected to said fluid outlet (3) of said connector device (1).

8. The branched connector device (10) according to claim 7, wherein said branched connector device (10) comprises a second connector device (1') comprising a second connector housing (2') and second coupling means (6') and a second fluid outlet (3') connected to said second connector housing (2'), said second branch portion (12) being connected to said second fluid outlet (3').

9. The branched connector device (10) according to claim 8, wherein said second connector device (1') comprises a second air feeding port (4').

10. The branched connector device (10) according to claim 9, wherein a second conduit (8) is connected to said second air feeding port (4').

11. The branched connector device (10) according to claim 9 or 10, wherein said second connector device (1') is a connector device according to any one of claim 1 to 6.

12. The branched connector device (10) according to any one of claims 7 to 11, wherein said branched connector device 10 is a Y-connector device (100).

13. The branched connector device (10) according to any one of claims 7 to 12, wherein said branched connector device (10) comprises a third connector device (1'') with a third fluid outlet (3'') and a branched conduit (14) comprising a third branch portion (13), said third branch portion (13) being connected to said third fluid outlet (3'').