

CLAIMS

What is claimed is:

1. A dressing for treating a tissue site with negative pressure, the dressing comprising:
 - a sealing layer comprising a treatment aperture and a plurality of perforations around the treatment aperture;
 - a fluid control layer comprising a plurality of fluid restrictions aligned with the treatment aperture;
 - a manifold adjacent to the fluid restrictions; and
 - a cover comprising a film and a pressure-sensitive adhesive, the film disposed over the manifold and coupled to the sealing layer around the manifold, and the pressure-sensitive adhesive disposed adjacent to the plurality of perforations.
2. The dressing of claim 1, wherein the fluid control layer comprises a film of polyurethane.
3. The dressing of claim 2, wherein the fluid restrictions comprise slits in the film.
4. The dressing of claim 3, wherein the slits each have a length in a range of 2 millimeters to 5 millimeters.
5. The dressing of claim 3, wherein the slits each have a length of about 3 millimeters.
6. The dressing of any preceding claim, wherein the sealing layer is formed from a gel.
7. The dressing of any preceding claim, wherein the sealing layer is formed from a silicone gel.
8. The dressing of any preceding claim, wherein:
 - the manifold has a first edge defining a manifold face adjacent to the fluid control layer;
 - the fluid control layer has a second edge defining a fluid control face adjacent to the manifold face and having a similar shape to the manifold face; and
 - the manifold face is at least as large as the fluid control face.
9. The dressing of claim 8, wherein the fluid control face is larger than the treatment aperture.

10. The dressing of any preceding claim, wherein at least one of the manifold and the fluid control layer is coupled to a margin around the treatment aperture.
11. The dressing of claim 10, wherein the margin has a width in a range of 2 millimeters to 3 millimeters.
12. The dressing of any preceding claim, wherein the treatment aperture is complementary to the manifold.
13. The dressing of any preceding claim, wherein the treatment aperture forms a window around the manifold.
14. The dressing of any preceding claim, wherein the treatment aperture has a width in a range of 90 millimeters to 110 millimeters and a length in a range of 150 millimeters to 160 millimeters.
15. A dressing for treating a tissue site with negative pressure, the dressing comprising:
 - a manifold;
 - a fluid control layer comprising a plurality of fluid restrictions adjacent to the manifold;
 - a gel layer comprising a plurality of perforations, wherein at least some of the perforations are aligned with more than one of the fluid restrictions; and
 - a cover comprising a non-porous film and a pressure-sensitive adhesive, the non-porous film disposed over the manifold and coupled to the gel layer around the manifold, and the pressure-sensitive adhesive disposed adjacent to the plurality of perforations.
16. The dressing of claim 15, wherein the perforations are circular and have a diameter in a range of 7 millimeters to 9 millimeters.
17. The dressing of claim 15 or claim 16, wherein the fluid control layer comprises a film of polyurethane.

18. The dressing of any of claims 15-17, wherein the fluid restrictions comprise slits in the film.
19. The dressing of claim 18, wherein the slits each have a length in a range of 2 millimeters to 5 millimeters.
20. The dressing of claim 19, wherein the slits each have a length of about 3 millimeters.
21. The dressing of any of claims 15-20, wherein the perforations are circular and have a diameter in a range of 7 millimeters to 9 millimeters.
22. A dressing for treating a tissue site with negative pressure, the dressing comprising:
 - a cover having an adhesive;
 - a manifold;
 - a perforated polymer film; and
 - a perforated silicone gel having a treatment aperture;wherein the cover, the manifold, the perforated polymer film, and the perforated silicone gel are assembled in a stacked relationship with the cover and the perforated silicone gel enclosing the manifold, the perforated polymer film is at least partially exposed through the treatment aperture, and at least some of the adhesive is exposed through the perforated silicone gel around the treatment aperture.
23. The dressing of claim 22, wherein the treatment aperture corresponds to a surface of the manifold.
24. The dressing of claim 22 or claim 23, wherein the treatment aperture forms a frame around the manifold.
25. The dressing of any of claims 22-24, wherein the treatment aperture has a width in a range of 90 millimeters to 110 millimeters and a length in a range of 150 millimeters to 160 millimeters.

26. A dressing for treating a tissue site with negative pressure, the dressing comprising:
- a manifold;
 - a gel layer comprising an open central window and a plurality of openings around the open central window;
 - a fluid control layer extending across the open central window and comprising a plurality of fluid restrictions;
 - a cover comprising a non-porous film and a pressure-sensitive adhesive, the non-porous film disposed over the manifold and coupled to the gel layer around the manifold, and the pressure-sensitive adhesive disposed adjacent to the plurality of perforations.
27. The dressing of claim 26, wherein the open central window comprises an opening in the gel layer of 20% to 80%.
28. The dressing of claim 26 or claim 27, wherein the open central window has a width in a range of 90 millimeters to 110 millimeters and a length in a range of 150 millimeters to 160 millimeters.
29. The dressing of any of claims 26-28, wherein the open central window comprises an opening that allows fluid ingress through the fluid control layer.
30. The dressing of any of claims 26-29, wherein the open central window has an area within 20% of a surface area of the manifold proximate to the open central window.

31. A dressing for treating a tissue site with negative pressure, the dressing comprising:
- a foam manifold for the passage of negative pressure and passage of wound fluid;
 - a lower surface including a treatment aperture having an open area for delivery of negative pressure and passage of wound fluid via the manifold, the open area being surrounded by a drape area for sealing to tissue, the drape area having an adhesive and not including openings for the passage of negative pressure via the manifold; and
 - a polymer film wound contact layer extending across the open area in the lower surface and having openings for the passage of negative pressure and wound fluid into the foam manifold.
32. The dressing of claim 31, wherein the dressing further comprises a cover comprising a drape disposed over the manifold and coupled to the drape area around the manifold.