

CLAIMS

What is claimed is:

1. A compression garment selectively engageable and operable by a controller for inflation via a reversible connector, the compression garment comprising:

a plurality of bladders;

compression garment tubing comprising a plurality of garment tubes in fluid communication with the plurality of bladders at a first compression garment tubing end and having a second compression garment tubing end opposite the first compression garment tubing end; and,

a first connector portion located at the second compression garment tubing end;

wherein the controller controls communication with a source of fluid flow via controller tubing having a plurality of controller tubes in selective communication with the source of the fluid flow at a first controller tubing end and having a second controller tubing end opposite the first controller tubing end;

wherein the controller tubing has a second connector portion located at the second controller tubing end;

wherein the first connector portion and the second connector portion are selectively reversibly connectable together to form the reversible connector;

wherein a plurality of fluid flow passageways extend within each of the first connector portion and the second connector portion to form a first fluid flow channel when the first connector portion is coupled to the second connector portion in a first orientation;

wherein the plurality of fluid flow passageways within the first connector portion and within the second connector portion cooperatively form a second fluid flow channel when the first connector portion is coupled to the second connector portion in a second orientation; and

wherein a fluid flow between a first one of the plurality of controller tubes and a first one of a plurality of compression garment tubes is communicated in a first fluid flow direction via the first fluid flow channel when the first connector portion and the second connector portion are connected in the first orientation, and wherein the fluid flow through the first one of the plurality of compression garment tubes and the first one of the plurality of controller tubes is communicated in the first fluid flow direction

via the second fluid flow channel when the first connector portion and the second connector portion are connected in a second orientation.

2. The compression garment of claim 1, wherein the controller tubing has a third connector at the first controller tubing end, and wherein compression garment is connectable or disconnectable from the controller via at least one of the second connector portion and a third connector portion.

3. The compression garment of claim 2, wherein the controller comprises a monitor side connection portion and wherein the third connector is configured to connect to the controller side connection portion and provide fluid communication between the controller and the controller tubing, wherein the third connector portion and the controller side connector portion are selectively reversibly connectable together and the second connector portion and first connector portion are selectively reversibly connectable together to form the reversible connector.

4. The compression garment of claim 3, wherein a plurality of fluid flow passageways extend within each of the controller side connection portion and the third connector portion to form a third fluid flow channel when the third connector portion is coupled to the monitor side connector portion in a first orientation;

wherein the plurality of fluid flow passageways within the third connector portion and within the controller side connection portion cooperatively form a fourth fluid flow channel when the third connector portion is coupled to the monitor side connector portion in a second orientation; and

wherein a fluid flow between a first one of the plurality of fluid flow passageways in the controller side connection portion and a first one of a plurality controller tubing passageways is communicated in a first fluid flow direction via the third fluid flow channel when the third connector portion and monitor side connection portion are connected in the first orientation, and wherein the fluid flow through the first one of the plurality fluid flow passageways in the controller side connection portion and the first one of the plurality of controller tubes is communicated in the first fluid flow direction via the fourth fluid flow channel when the third connector portion and the monitor side connector portion are connected in a second orientation.

5. The compression garment of claim 1:

wherein the first connector portion is a male connector and comprises an outer concentric wall, an intermediate concentric wall and an inner concentric wall with each of the concentric walls having a corresponding fluid flow passageway;

wherein the second connector portion is a female connector and comprises an outer concentric wall, an intermediate concentric wall and an inner concentric wall with each of the concentric walls having a corresponding fluid flow passageway; and

wherein each of the concentric walls of the male connector are adapted to slidingly engage with a corresponding concentric wall of the female connector in a first orientation and in a second orientation, and allow fluid to flow from each of the fluid flow passageways of the male connector to a corresponding fluid flow passageway of the female connector in the first orientation, and allow fluid to flow from each of the fluid flow passageways of the male connector to a corresponding fluid flow passageway of the female connector in the second orientation with the fluid flows in two of the fluid flow passageways of the female connector being different in the second orientation compared to the first orientation.

6. The compression garment of claim 5, wherein the outer concentric wall, intermediate concentric wall, and inner concentric wall of the male connector is made of a flexible material and a body of the male connector portion are made of a rigid material.

7. The compression garment of claim 6, wherein the outer concentric wall, intermediate concentric wall, and inner concentric wall of the female connector are made of material that is more rigid than the outer concentric wall, intermediate concentric wall, and inner concentric wall of the male connector.

8. The compression garment of claim 7, wherein the male connector comprises a sealing member that is a unitary structure and includes the outer concentric wall, intermediate concentric wall, and inner concentric wall of the male connector.

9. The compression garment of claim 8, wherein the male connector comprises a first engagement portion configured to be slidably received within a female connector engagement portion.

10. The compression garment of claim 8, wherein concentric walls of the male connector and the concentric walls of the female connector form an outer chamber, an intermediate chamber, and an inner chamber when the male connector is slidably engaged with the female connector in the first orientation and the second orientation.

11. The compression garment of claim 10, wherein the fluid flow passageway for the outer chamber is formed in the outer concentric wall and the fluid flow passageway for the intermediate chamber is formed in the intermediate concentric wall for both the male connector and the female connector.

12. The compression garment of claim 11, wherein the fluid flow passageways of the outer chamber substantially align and the fluid flow passageways of the intermediate chamber substantially align in the first orientation and the fluid flow passageways of the outer chamber and the fluid flow passageways of the intermediate chamber are offset in the second orientation.

13. The compression garment of claim 11, wherein:

the male connector further comprises a base with each of the concentric walls extending from the base on a first side and three inlets extending from the base on a second side, with the first side and second side being opposite of each other, and each of the three inlets in fluid connection with a corresponding fluid flow passageway of the male connector; and

the female connector further comprises a base with each of the concentric walls extending from the base on a first side and three inlets extending from the base on a second side, with the first side and second side being opposite of the other, and each of three inlets in fluid connection with a corresponding fluid flow passageway of the female connector.

14. The compression garment of claim 13, wherein each of the three inlets of both the male connector and the female connector is adapted to receive a tube over an outer edge of each of the three inlets.

15. The compression garment of claim 10, wherein the male connector provides fluid to the female connector via the chambers.

16. The compression garment of claim 4 wherein the third connector portion is a male connector and comprises an outer concentric wall, an intermediate concentric wall and an inner concentric wall with each of the concentric walls having a corresponding fluid flow passageway;

wherein the monitor side connection portion is a female connector and comprises an outer concentric wall, an intermediate concentric wall and an inner concentric wall with each of the concentric walls having a corresponding fluid flow passageway; and

wherein each of the concentric walls of the male connector are adapted to slidably engage with a corresponding concentric wall of the female connector in a first orientation and in a second orientation, and allow fluid to flow from each of the fluid flow passageways of the male connector to a corresponding fluid flow passageway of the female connector in the first orientation, and allow fluid to flow from each of the fluid flow passageways of the male connector to a corresponding fluid flow passageway of the female connector in the second orientation with the fluid flows in two of the fluid flow passageways of the female connector being different in the second orientation compared to the first orientation.

17. The compression garment of claim 16, wherein the outer concentric wall, intermediate concentric wall, and inner concentric wall of the male connector is made of a flexible material and a body of the male connector portion is made of a rigid material.

18. A compression garment selectively engageable and operable by a controller for inflation via a reversible connector, the compression garment comprising:
at least one inflatable bladder;

compression garment tubing comprising at least one garment tube in fluid communication with the at least one inflatable bladder at a first compression garment tubing end and having a second compression garment tubing end opposite the first compression garment tubing end; and

a first connector portion located at the second compression garment tubing end;

wherein the controller controls communication with a source of fluid flow is configured to be connected to the compression garment via controller tubing having a plurality of controller tubes in selective communication with the source of the fluid flow at a first controller tubing end and having a second controller tubing end opposite the first controller tubing end;

wherein the controller comprises a second connector portion located at the second controller tubing end;

wherein the first connector portion and the second connector portion are selectively reversibly connectable together to form the reversible connector;

wherein a plurality of fluid flow passageways extend within the second connector portion to form a first fluid flow channel when the first connector portion is coupled to the second connector portion in a first orientation;

wherein the plurality of fluid flow passageways within the second connector portion cooperatively form a second fluid flow channel when the first connector portion is coupled to the second connector portion in a second orientation; and

wherein a fluid flow between a first one of the plurality of controller tubes and the at least one compression garment tube is communicated in a first fluid flow direction via the first fluid flow channel when the first connector portion and the second connector portion are connected in the first orientation, and wherein the fluid flow through the at least one compression garment tube and the first one of the plurality of controller tubes is communicated in the first fluid flow direction via the second fluid flow channel when the first connector portion and the second connector portion are connected in a second orientation.

19. The compression garment of claim 18, wherein the controller controls communication with the source of fluid flow via a third connector at the first controller tubing end, and wherein compression garment is connectable or disconnectable from the controller via at least one of the second connector portion and a third connector portion.

20. The compression garment of claim 19, wherein the controller comprises a monitor side connection portion and wherein the third connector is configured to connect to the controller side connection portion and provide fluid communication between the controller and the controller tubing, wherein the third connector portion and the controller side connector portion are selectively reversibly connectable together and the second connector portion and first connector portion are selectively reversibly connectable together to form the reversible connector.

21. The compression garment of claim 20, wherein a plurality of fluid flow passageways extend within each of the controller side connection portion and the third connector portion to form a third fluid flow channel when the third connector portion is coupled to the monitor side connector portion in a first orientation;

wherein the plurality of fluid flow passageways within the third connector portion and within the controller side connection portion cooperatively form a fourth fluid flow channel when the third connector portion is coupled to the monitor side connector portion in a second orientation; and

wherein a fluid flow between a first one of the plurality of fluid flow passageways in the controller side connection portion and a first one of a plurality controller tubing passageways is communicated in a first fluid flow direction via the third fluid flow channel when the third connector portion and monitor side connection portion are connected in the first orientation, and wherein the fluid flow through the first one of the plurality fluid flow passageways in the controller side connection portion and the first one of the plurality of controller tubes is communicated in the first fluid flow direction via the fourth fluid flow channel when the third connector portion and the monitor side connector portion are connected in a second orientation.

22. The compression garment of claim 18:

wherein the first connector portion is a male connector and comprises an outer concentric wall, an intermediate concentric wall and an inner concentric wall with each of the concentric walls having a corresponding fluid flow passageway;

wherein the second connector portion is a female connector and comprises an outer concentric wall, an intermediate concentric wall and an inner concentric wall with each of the concentric walls having a corresponding fluid flow passageway; and

wherein each of the concentric walls of the male connector are adapted to slidably engage with a corresponding concentric wall of the female connector in a first orientation and in a second orientation, and allow fluid to flow from each of the fluid flow passageways of the male connector to a corresponding fluid flow passageway of the female connector in the first orientation, and allow fluid to flow from each of the fluid flow passageways of the male connector to a corresponding fluid flow passageway of the female connector in the second orientation with the fluid flows in two of the fluid flow passageways of the female connector being different in the second orientation compared to the first orientation.

23. The compression garment of claim 22, wherein the outer concentric wall, intermediate concentric wall, and inner concentric wall of the male connector is made of a flexible material and a body of the male connector portion are made of a rigid material.

24. The compression garment of claim 23, wherein the outer concentric wall, intermediate concentric wall, and inner concentric wall of the female connector are made of material that is more rigid than the outer concentric wall, intermediate concentric wall, and inner concentric wall of the male connector.

25. The compression garment of claim 24, wherein the male connector comprises a sealing member that is a unitary structure and includes the outer concentric wall, intermediate concentric wall, and inner concentric wall of the male connector.

26. The compression garment of claim 25, wherein the male connector comprises a first engagement portion configured to be slidably received within a female connector engagement portion.

27. The compression garment of claim 25, wherein concentric walls of the male connector and the concentric walls of the female connector form an outer chamber, an intermediate chamber, and an inner chamber when the male connector is slidably engaged with the female connector in the first orientation and the second orientation.

28. The compression garment of claim 27, wherein the fluid flow passageway for the outer chamber is formed in the outer concentric wall and the fluid flow passageway for the intermediate chamber is formed in the intermediate concentric wall for both the male connector and the female connector.

29. The compression garment of claim 28, wherein the fluid flow passageways of the outer chamber substantially align and the fluid flow passageways of the intermediate chamber substantially align in the first orientation and the fluid flow passageways of the outer chamber and the fluid flow passageways of the intermediate chamber are offset in the second orientation.

30. The compression garment of claim 29, wherein:
the male connector further comprises a base with each of the concentric walls extending from the base on a first side and three inlets extending from the base on a second side, with the first side and second side being opposite of each other, and each of the three inlets in fluid connection with a corresponding fluid flow passageway of the male connector; and

the female connector further comprises a base with each of the concentric walls extending from the base on a first side and three inlets extending from the base on a second side, with the first side and second side being opposite of the other, and each of three inlets in fluid connection with a corresponding fluid flow passageway of the female connector.

31. The compression garment of claim 30, wherein each of the three inlets of both the male connector and the female connector is adapted to receive a tube over an outer edge of each of the three inlets.

32. The compression garment of claim of claim 30, wherein the male connector provides fluid to the female connector via the chambers.

33. The compression garment of claim 21 wherein the third connector portion is a male connector and comprises an outer concentric wall, an intermediate

concentric wall and an inner concentric wall with each of the concentric walls having a corresponding fluid flow passageway;

wherein the monitor side connection portion is a female connector and comprises an outer concentric wall, an intermediate concentric wall and an inner concentric wall with each of the concentric walls having a corresponding fluid flow passageway; and

wherein each of the concentric walls of the male connector are adapted to slidably engage with a corresponding concentric wall of the female connector in a first orientation and in a second orientation, and allow fluid to flow from each of the fluid flow passageways of the male connector to a corresponding fluid flow passageway of the female connector in the first orientation, and allow fluid to flow from each of the fluid flow passageways of the male connector to a corresponding fluid flow passageway of the female connector in the second orientation with the fluid flows in two of the fluid flow passageways of the female connector being different in the second orientation compared to the first orientation.

34. The compression garment of claim 33, wherein the outer concentric wall, intermediate concentric wall, and inner concentric wall of the male connector is made of a flexible material and a body of the male connector portion is made of a rigid material.

35. A controller for controlling a source of fluid flow to a compression garment, the controller being selectively connectable to the compression garment via a first reversible connector portion, the controller comprising: ;

a fluid source for providing fluid flow to the first reversible connector portion, wherein the first reversible connector is configured to be reversibly connected to a second connector portion of the compression garment, wherein the compression garment includes a plurality of bladders, a plurality of garment tubes in fluid communication with the plurality of bladders and the second reversible connector portion in fluid communication with the plurality of garment tubes wherein the first connector portion and the second connector portion are selectively reversibly connectable together to form the reversible connector;

wherein a plurality of fluid flow passageways extend within each of the first connector portion and the second connector portion to form a first fluid flow channel

when the first connector portion is coupled to the second connector portion in a first orientation;

wherein the plurality of fluid flow passageways within the first connector portion and within the second connector portion cooperatively form a second fluid flow channel when the first connector portion is coupled to the second connector portion in a second orientation; and

wherein a fluid flow between a first one of the plurality of controller tubes and a first one of a plurality of compression garment tubes is communicated in a first fluid flow direction via the first fluid flow channel when the first connector portion and the second connector portion are connected in the first orientation, and wherein the fluid flow through the first one of the plurality of compression garment tubes and the first one of the plurality of controller tubes is communicated in the first fluid flow direction via the second fluid flow channel when the first connector portion and the second connector portion are connected in a second orientation.

36. The controller of claim 35, wherein the first connector portion is a controller side connector portion configured to be directly reversibly connected to the second connector portion.

37. The controller of claim 35, wherein the monitor further comprises a plurality of controller tubes in selective communication with the source of the fluid flow at a first controller tubing end and having a second controller tubing end opposite the first controller tubing end, wherein the first connector is connected to and provides fluid communication with the second controller tubing end.

38. The controller of claim 35, wherein the first connector portion is a controller side connector portion, wherein the controller side connector portion is configured to have an extension member connected thereto, wherein the extension member is configured to connect to the second connector portion and provide fluid communication between the controller and the compression garment.

39. The controller of claim 35, wherein the first connector portion is female connector portion and comprises an outer concentric wall, an intermediate concentric

wall and an inner concentric wall with each of the concentric walls having a corresponding fluid flow passageways;

wherein the second connector portion is a male connector portion and comprises an outer concentric wall, an intermediate concentric wall and an inner concentric wall with each of the concentric walls having a corresponding fluid flow passageway; and

wherein each of the concentric walls of the male connector are adapted to slidingly engage with a corresponding concentric wall of the female connector in a first orientation and in a second orientation, and allow fluid to flow from each of the fluid flow passageways of the male connector to a corresponding fluid flow passageway of the female connector in the first orientation, and allow fluid to flow from each of the fluid flow passageways of the male connector to a corresponding fluid flow passageway of the female connector in the second orientation with the fluid flows in two of the fluid flow passageways of the female connector being different in the second orientation compared to the first orientation.

40. The controller of claim 39, wherein the outer concentric wall, intermediate concentric wall, and inner concentric wall of the female connector are made of a material that is more rigid than the outer concentric wall, intermediate concentric wall, and inner concentric wall of the male connector portion.

41. The controller of claim 39, wherein the female connector comprises a sealing member that is a unitary structure and includes the outer concentric wall, intermediate concentric wall, and inner concentric wall of the female connector.

42. The controller of claim 39, wherein the female connector comprises a first engagement portion configured to slidingly receive an engagement portion of the male connector portion.

43. The controller of claim 39, wherein concentric walls of the female connector and the concentric walls of the male connector form an outer chamber, an intermediate chamber, and an inner chamber when the male connector is slidingly engaged with the female connector in the first orientation and the second orientation.

44. The controller of claim 43, wherein the fluid flow passageway for the outer chamber is formed in the outer concentric wall and the fluid flow passageway for the intermediate chamber is formed in the intermediate concentric wall for both the male connector and the female connector.

45. The controller of claim 44, wherein the fluid flow passageways of the outer chamber substantially align and the fluid flow passageways of the intermediate chamber substantially align in the first orientation and the fluid flow passageways of the outer chamber and the fluid flow passageways of the intermediate chamber are offset in the second orientation.

46. A system for applying compression treatment to a limb of a patient, comprising:

- a compression garment positionable about the limb of the patient and selectively engageable and operable by controller for inflation via a reversible connector, the compression garment comprising:

- a plurality of bladders; and

- compression garment tubing comprising a plurality of garment tubes in fluid communication with the plurality of bladders at a first compression garment tubing end and having a second compression garment tubing end opposite the first compression garment tubing end; and,

- a first connector portion located at the second compression garment tubing end; wherein the controller controls communication with a source of fluid flow via

- controller tubing having a plurality of controller tubes in selective communication with the source of the fluid flow at a first controller tubing end and having a second controller tubing end opposite the first controller tubing end; and

- a second connector portion located at the second controller tubing end;

- wherein the first connector portion and the second connector portion are selectively reversibly connectable together to form the reversible connector;

- wherein a plurality of fluid flow passageways extend within each of the first connector portion and the second connector portion to form a first fluid flow channel when the first connector portion is coupled to the second connector portion in a first orientation;

- wherein the plurality of fluid flow passageways within the first connector portion and within the second connector portion cooperatively form a second fluid flow channel

when the first connector portion is coupled to the second connector portion in a second orientation; and

wherein a fluid flow between a first one of the plurality of controller tubes and a first one of a plurality of compression garment tubes is communicated in a first fluid flow direction via the first fluid flow channel when the first connector portion and the second connector portion are connected in the first orientation, and wherein the fluid flow through the first one of the plurality of compression garment tubes and the first one of the plurality of controller tubes is communicated in the first fluid flow direction via the second fluid flow channel when the first connector portion and the second connector portion are connected in a second orientation.

47. The system of claim 46, wherein the controller tubing has a third connector at the first controller tubing end, and wherein compression garment is connectable or disconnectable from the controller via at least one of the second connector portion and a third connector portion.

48. The system of claim 47, wherein the controller comprises a monitor side connection portion and wherein the third connector is configured to connect to the controller side connection portion and provide fluid communication between the controller and the controller tubing, wherein the third connector portion and the controller side connector portion are selectively reversibly connectable together and the second connector portion and first connector portion are selectively reversibly connectable together to form the reversible connector.

49. The system of claim 48, wherein a plurality of fluid flow passageways extend within each of the controller side connection portion and the third connector portion to form a third fluid flow channel when the third connector portion is coupled to the monitor side connector portion in a first orientation;

wherein the plurality of fluid flow passageways within the third connector portion and within the controller side connection portion cooperatively form a fourth fluid flow channel when the third connector portion is coupled to the monitor side connector portion in a second orientation; and

wherein a fluid flow between a first one of the plurality of fluid flow passageways in the controller side connection portion and a first one of a plurality controller tubing

passageways is communicated in a first fluid flow direction via the third fluid flow channel when the third connector portion and monitor side connection portion are connected in the first orientation, and wherein the fluid flow through the first one of the plurality fluid flow passageways in the controller side connection portion and the first one of the plurality of controller tubes is communicated in the first fluid flow direction via the fourth fluid flow channel when the third connector portion and the monitor side connector portion are connected in a second orientation.

50. The system of claim 46, wherein the first connector portion is a male connector and comprises an outer concentric wall, an intermediate concentric wall and an inner concentric wall with each of the concentric walls having a corresponding fluid flow passageway;

wherein the second connector portion is a female connector and comprises an outer concentric wall, an intermediate concentric wall and an inner concentric wall with each of the concentric walls having a corresponding fluid flow passageway; and

wherein each of the concentric walls of the male connector are adapted to slidably engage with a corresponding concentric wall of the female connector in a first orientation and in a second orientation, and allow fluid to flow from each of the fluid flow passageways of the male connector to a corresponding fluid flow passageway of the female connector in the first orientation, and allow fluid to flow from each of the fluid flow passageways of the male connector to a corresponding fluid flow passageway of the female connector in the second orientation with the fluid flows in two of the fluid flow passageways of the female connector being different in the second orientation compared to the first orientation.

51. The system of claim 50, wherein the outer concentric wall, intermediate concentric wall, and inner concentric wall of the male connector is made of a flexible material and a body of the male connector portion are made of a rigid material.

52. The system of claim 51, wherein the outer concentric wall, intermediate concentric wall, and inner concentric wall of the female connector are made of material that is more rigid than the outer concentric wall, intermediate concentric wall, and inner concentric wall of the male connector.

53. The system of claim 52, wherein the male connector comprises a sealing member that is a unitary structure and includes the outer concentric wall, intermediate concentric wall, and inner concentric wall of the male connector.

54. The system of claim 53, wherein the male connector comprises a first engagement portion configured to be slidably received within a female connector engagement portion.

55. The system of claim 53, wherein concentric walls of the male connector and the concentric walls of the female connector form an outer chamber, an intermediate chamber, and an inner chamber when the male connector is slidably engaged with the female connector in the first orientation and the second orientation.

56. The system of claim 55, wherein the fluid flow passageway for the outer chamber is formed in the outer concentric wall and the fluid flow passageway for the intermediate chamber is formed in the intermediate concentric wall for both the male connector and the female connector.

57. The system of claim 56, wherein the fluid flow passageways of the outer chamber substantially align and the fluid flow passageways of the intermediate chamber substantially align in the first orientation and the fluid flow passageways of the outer chamber and the fluid flow passageways of the intermediate chamber are offset in the second orientation.

58. The system of claim 56, wherein the male connector further comprises a base with each of the concentric walls extending from the base on a first side and three inlets extending from the base on a second side, with the first side and second side being opposite of each other, and each of the three inlets in fluid connection with a corresponding fluid flow passageway of the male connector; and

the female connector further comprises a base with each of the concentric walls extending from the base on a first side and three inlets extending from the base on a second side, with the first side and second side being opposite of the other, and each of three inlets in fluid connection with a corresponding fluid flow passageway of the female connector.

59. The system of claim 58, wherein each of the three inlets of both the male connector and the female connector is adapted to receive a tube over an outer edge of each of the three inlets.

60. The system of claim 55, wherein the male connector provides fluid to the female connector via the chambers.

61. The system of claim 49 wherein the third connector portion is a male connector and comprises an outer concentric wall, an intermediate concentric wall and an inner concentric wall with each of the concentric walls having a corresponding fluid flow passageway;

wherein the monitor side connection portion is a female connector and comprises an outer concentric wall, an intermediate concentric wall and an inner concentric wall with each of the concentric walls having a corresponding fluid flow passageway; and

wherein each of the concentric walls of the male connector are adapted to slidably engage with a corresponding concentric wall of the female connector in a first orientation and in a second orientation, and allow fluid to flow from each of the fluid flow passageways of the male connector to a corresponding fluid flow passageway of the female connector in the first orientation, and allow fluid to flow from each of the fluid flow passageways of the male connector to a corresponding fluid flow passageway of the female connector in the second orientation with the fluid flows in two of the fluid flow passageways of the female connector being different in the second orientation compared to the first orientation.

62. An adapter for providing selectively engageable fluid communication between a compression garment and a controller for inflation bladders of the compression garment, the adapter comprising:

a first non-reversible connector configured to provide fluid communication from the controller to the adapter, wherein the controller controls communication with a source of fluid flow via adapter tubing having a plurality of tubes in selective communication with the source of the fluid flow at a first adapter tubing end and having a second adapter tubing end opposite the first adapter tubing end; wherein the adapter

tubing has a first reversible connector portion located at the second adapter tubing end; wherein the first connector portion is selectively reversibly connectable to a second reversible connection portion to form a reversible connector, wherein the second reversible connection portion provide fluid communication with the bladders of the compression garment via a plurality of garment tubes in fluid communication with the plurality of bladders at a first compression garment tubing end and having a second compression garment tubing end opposite the first compression garment tubing end, wherein the second reversible connection portion is at the second garment tubing end;

wherein a plurality of fluid flow passageways extend within each of the first connector portion and the second connector portion to form a first fluid flow channel when the first connector portion is coupled to the second connector portion in a first orientation;

wherein the plurality of fluid flow passageways within the first connector portion and within the second connector portion cooperatively form a second fluid flow channel when the first connector portion is coupled to the second connector portion in a second orientation; and

wherein a fluid flow between a first one of the plurality of controller tubes and a first one of a plurality of compression garment tubes is communicated in a first fluid flow direction via the first fluid flow channel when the first connector portion and the second connector portion are connected in the first orientation, and wherein the fluid flow through the first one of the plurality of compression garment tubes and the first one of the plurality of controller tubes is communicated in the first fluid flow direction via the second fluid flow channel when the first connector portion and the second connector portion are connected in a second orientation.

63. The adapter of claim 62, wherein the first reversible connector portion is a female connector and comprises an outer concentric wall, an intermediate concentric wall and an inner concentric wall with each of the concentric walls having a corresponding fluid flow passageway;

wherein the second reversible connector portion is a male connector and comprises an outer concentric wall, an intermediate concentric wall and an inner concentric wall with each of the concentric walls having a corresponding fluid flow passageway; and

wherein each of the concentric walls of the male connector are adapted to slidingly engage with a corresponding concentric wall of the female connector in a first orientation and in a second orientation, and allow fluid to flow from each of the fluid flow passageways of the male connector to a corresponding fluid flow passageway of the female connector in the first orientation, and allow fluid to flow from each of the fluid flow passageways of the male connector to a corresponding fluid flow passageway of the female connector in the second orientation with the fluid flows in two of the fluid flow passageways of the female connector being different in the second orientation compared to the first orientation.

64. The adapter of claim 63, wherein the outer concentric wall, intermediate concentric wall, and inner concentric wall of the female connector are made of material that is more rigid than the outer concentric wall, intermediate concentric wall, and inner concentric wall of the male connector.

65. The adapter of claim 64, wherein the male connector comprises a sealing member that is a unitary structure and includes the outer concentric wall, intermediate concentric wall, and inner concentric wall of the male connector.

66. The adapter of claim 63, wherein the female connector comprises a first engagement portion configured to slidingly receive a male connector engagement portion.

67. The adapter of claim 63, wherein concentric walls of the male connector and the concentric walls of the female connector are configured to form an outer chamber, an intermediate chamber, and an inner chamber when the male connector is slidingly engaged with the female connector in the first orientation and the second orientation.

68. The adapter of claim 67, wherein the fluid flow passageway for the outer chamber is formed in the outer concentric wall and the fluid flow passageway for the intermediate chamber is formed in the intermediate concentric wall for both the male connector and the female connector.

69. The adapter of claim 68, wherein the fluid flow passageways of the outer chamber substantially align and the fluid flow passageways of the intermediate chamber substantially align in the first orientation and the fluid flow passageways of the outer chamber and the fluid flow passageways of the intermediate chamber are offset in the second orientation.

70. The adapter of claim 69, wherein the female connector further comprises a base with each of the concentric walls extending from the base on a first side and three inlets extending from the base on a second side, with the first side and second side being opposite of the other, and each of three inlets in fluid connection with a corresponding fluid flow passageway of the female connector.

71. The adapter of claim 70, wherein the first non-reversible connector portion further comprises a base and three inlets extending from the base, wherein each of three inlets in fluid connection with a corresponding fluid flow passageway of the female connector portion, wherein each of the three inlets of both the female connector portion and the first non-reversible connection portion is adapted to receive a tube over an outer edge of each of the three inlets.

72. The adapter of claim 68, wherein the male connector provides fluid to the female connector via the chambers.

73. An adapter for providing selectively engageable fluid communication between a compression garment and a controller for inflation bladders of the compression garment, the adapter comprising:

a first non-reversible connector configured to provide fluid communication from the compression garment to the controller via the adapter, wherein the controller controls communication with a source of fluid flow via adapter tubing having a plurality of tubes in selective communication with the source of the fluid flow at a first adapter tubing end and having a second adapter tubing end opposite the first adapter tubing end;

wherein the adapter tubing has the non-reversible connection portion located at the second adapter tubing end and a first reversible connector portion at the first adapter tubing end that is selectively reversibly connectable to a second reversible

connection portion, wherein the first connector portion is selectively reversibly connectable to a second reversible connection portion to form a reversible connector, wherein the second reversible connection portion provides fluid communication with the controller via controller tubes in fluid communication with controller;

wherein a plurality of fluid flow passageways extend within each of the first connector portion and the second connector portion to form a first fluid flow channel when the first connector portion is coupled to the second connector portion in a first orientation;

wherein the plurality of fluid flow passageways within the first connector portion and within the second connector portion cooperatively form a second fluid flow channel when the first connector portion is coupled to the second connector portion in a second orientation; and

wherein a fluid flow between a first one of the plurality of controller tubes and a first one of a plurality of compression garment tubes is communicated in a first fluid flow direction via the first fluid flow channel when the first connector portion and the second connector portion are connected in the first orientation, and wherein the fluid flow through the first one of the plurality of compression garment tubes and the first one of the plurality of controller tubes is communicated in the first fluid flow direction via the second fluid flow channel when the first connector portion and the second connector portion are connected in a second orientation.

74. The adapter of claim 73, wherein the first reversible connector portion is a male connector and comprises an outer concentric wall, an intermediate concentric wall and an inner concentric wall with each of the concentric walls having a corresponding fluid flow passageway;

wherein the second reversible connector portion is a female connector and comprises an outer concentric wall, an intermediate concentric wall and an inner concentric wall with each of the concentric walls having a corresponding fluid flow passageway; and

wherein each of the concentric walls of the male connector are adapted to slidably engage with a corresponding concentric wall of the female connector in a first orientation and in a second orientation, and allow fluid to flow from each of the fluid flow passageways of the male connector to a corresponding fluid flow passageway of the female connector in the first orientation, and allow fluid to flow from each of the

fluid flow passageways of the male connector to a corresponding fluid flow passageway of the female connector in the second orientation with the fluid flows in two of the fluid flow passageways of the female connector being different in the second orientation compared to the first orientation.

75. The adapter of claim 74, wherein the outer concentric wall, intermediate concentric wall, and inner concentric wall of the male adapter are made of a material that is more rigid than the housing of the male adapter.

76. The adapter of claim 74, wherein the outer concentric wall, intermediate concentric wall, and inner concentric wall of the male connector are made of material that is more rigid than the outer concentric wall, intermediate concentric wall, and inner concentric wall of the female connector.

77. The adapter of claim 74, wherein the male connector comprises a sealing member that is a unitary structure and includes the outer concentric wall, intermediate concentric wall, and inner concentric wall of the male connector.

78. The adapter of claim 73, wherein the male connector comprises a first engagement portion configured to be slidably received by a female connector engagement portion.

79. The adapter of claim 73, wherein concentric walls of the female connector and the concentric walls of the male connector are configured to form an outer chamber, an intermediate chamber, and an inner chamber when the male connector is slidably engaged with the female connector in the first orientation and the second orientation.

80. The adapter of claim 79, wherein the fluid flow passageway for the outer chamber is formed in the outer concentric wall and the fluid flow passageway for the intermediate chamber is formed in the intermediate concentric wall for both the male connector and the female connector.

81. The adapter of claim 79, wherein the fluid flow passageways of the outer chamber substantially align and the fluid flow passageways of the intermediate chamber substantially align in the first orientation and the fluid flow passageways of the outer chamber and the fluid flow passageways of the intermediate chamber are offset in the second orientation.

82. The adapter of claim 69, wherein the male connector further comprises a base with each of the concentric walls extending from the base on a first side and three inlets extending from the base on a second side, with the first side and second side being opposite of the other, and each of three inlets in fluid connection with a corresponding fluid flow passageway of the female connector.

83. The adapter of claim 82, wherein the first non-reversible connector portion further comprises a base and three inlets extending from the base, wherein each of three inlets in fluid connection with a corresponding fluid flow passageway of the male connector portion, wherein each of the three inlets of both the female connector portion and the first non-reversible connection portion is adapted to receive a tube over an outer edge of each of the three inlets.

84. The adapter of claim 78, wherein the female connector provides fluid to the male connector via the chambers.