~~WHAT IS CLAIMED IS:~~CLAIMS

1. A humidification chamber for use in a medical humidification system, the humidification chamber comprising:

a base and a top linked by a side wall to define the chamber;

a gases inlet configured to receive a gases flow from a gases source; and

a gases outlet,

wherein the gases inlet is orientated relative to the side wall of the chamber ~~configured~~ to introduce the gases flow to the humidification chamber as a gases jet in ~~at~~ a direction substantially tangential to the side wall of the humidification chamber, and characterised in that the gases inlet comprises a nozzle having a constriction that internally tapers so as to be gradually narrowed along its length, wherein the internal profile is substantially smooth.

~~2. The humidification chamber of claim 1, wherein the gases inlet is configured to introduce the gases flow into the humidification chamber as a gases jet.~~

~~3.~~ The humidification chamber of claim 1 ~~or 2~~, wherein the side wall defines a substantially circular chamber, when viewed from above.

~~4~~3. The humidification chamber of any one of the preceding claims, wherein the gases outlet is disposed on ~~a~~ the top of the humidification chamber.

~~4~~5. The humidification chamber of any one of claims 1 to ~~-~~3, wherein the gases outlet is disposed on the side wall of the humidification chamber~~, optionally facing an opposite way to the direction of the gases flow in the humidification chamber~~.

~~6. The humidification chamber of any one of the preceding claims, wherein the gases inlet comprises or is configured to receive a nozzle.~~

~~7~~5. The humidification chamber of claim ~~4~~6, wherein ~~an inner diameter of~~ the nozzle is configured ~~to decrease along a length of the nozzle so as~~ to increase a velocity

of the gases flow prior to the gases flow being introduced to the humidification chamber.

~~8~~6. The humidification chamber of any one of the preceding claims, wherein the gases inlet comprises a substantially tubular body.

~~9~~7. The humidification chamber of any one of the preceding claims, wherein an inner diameter of the gases outlet is greater than an inner diameter of the gases inlet.

~~10~~8. The humidification chamber of claim ~~9~~6, wherein the ratio of the inner diameters of the gases outlet to the inner diameter of the gases inlet is between 3:1 and 7:1, and is preferably approximately 5:1.

~~11~~9. The humidification chamber of any one of the preceding claims, wherein the ratio of an inner diameter of the gases inlet to a diameter of a bottom wall of the humidification chamber is between 1:25 and 1:10 and is preferably ~~.~~

~~12. The humidification chamber of claim 11, wherein the ratio is~~ between 1:20 and 1:15.

~~13~~10. The humidification chamber of any one of the preceding claims, wherein the top of the humidification chamber comprises any one of: a dome shape~~; a cone shape; an inverted cone shape; and a flat shape, or parts or combinations thereof~~.

~~14~~11. The humidification chamber of any one of the preceding claims, wherein an inner surface of the top and/or sidewall of the humidification chamber, and/or the inlet, is configured to produce a turbulent gases flow within the humidification chamber.

~~15~~1. The humidification chamber of any one of the preceding claims, wherein the inner surface of the top and/or sidewall of the humidification chamber, and/or the inlet, comprises at least one protrusion projecting into the chamber and/or at least one recess

recessed away from the chamber to produce turbulent gases flow in the humidification chamber.

~~16~~13. The humidification chamber of any one of the preceding claims, wherein the inlet extends through a side wall of the humidification chamber.

~~17~~14. The humidification chamber of any one of the preceding claims, wherein the inlet and/or the side wall is configured such that gases entering the humidification chamber via the gases inlet swirl into a spiral within the humidification chamber before exiting the humidification chamber through the gases outlet.

~~18~~15. The humidification chamber of claim 1~~7~~4, wherein the inlet is disposed on and/or orientated relative to the side wall such that:

a distance between adjacent winds and/or turns of the spiral is reduced when a flow rate of the gases entering the humidification chamber is increased;

and/or the gases are introduced such that the bulk or average gases flow attached to the side wall and follows the shape of the side wall.

~~19. The humidification chamber of any one of the preceding claims, comprising at least one insulating layer preventing or at least reducing heat loss from the humidification chamber.~~

~~20. The humidification chamber of claim 19, wherein the at least one insulating layer comprises a first insulating layer extending over at least part of any of the base and/or top and/or side wall of the humidification chamber, optionally the first insulating layer being provided on an external surface of the side wall.~~

~~21. The humidification chamber of any one of the preceding claims, comprising first and second sub-chambers, wherein the second sub-chamber is configured to at least partially surround the first sub-chamber.~~

~~22. The humidification chamber of claim 21, wherein the first sub-chamber is configured to contain the volume of water.~~

~~23. The humidification chamber of claim 21 or 22, comprising an insulating layer provided as an air gap between the first and second sub-chambers.~~

~~24~~16. The humidification chamber of any one of the preceding claims, wherein the flow path through the gases inlet is angled down towards the base of the humidification chamber.

~~25~~17. The humidification chamber of any one of the preceding claims, further comprising at least one internal element disposed between the gases inlet and the gases outlet to direct or redirect or influence the gases flow within the humidification chamber.

~~26~~18. The humidification chamber of claim 17~~25~~, wherein:

~~-~~the at least one internal element is a baffle shaped and configured to encourage rotation of the bulk gases flow and/or

~~.~~

~~27. The humidification chamber of claim 25 or 26, wherein at least one said internal element is configured to heat the gases flow and/or water within the humidification chamber.~~

~~28. The humidification chamber of any one of claims 25-27, wherein~~ at least one said internal element is orientated in a plane substantially parallel to the base or the side wall of the humidification chamber.

~~29. The humidification chamber of any one of the preceding claims, wherein the base of the humidification chamber is at least partially formed from or comprises a heat conductive material.~~

~~30. The humidification chamber of any one of the preceding claims, further comprising a heater plate and/or a heat conductive plastic casing arranged to at least partially enclose the humidification chamber so as to provide additional heating and/or reduce or prevent heat loss.~~

~~31. A humidification chamber for use in a medical humidification system, the humidification chamber comprising:~~

~~a base and a top linked by a side wall to define the chamber;~~

~~a gases inlet configured to receive a gases flow from a gases source;~~

~~a gases outlet; and~~

~~one or more elements disposed within the chamber and configured to guide the gases flow along at least a portion of the gases flow path between the gases inlet and the gases outlet of the chamber.~~

~~32. The humidification chamber of claim 31, wherein the gases inlet, the gases outlet, and the or at least one of the one or more elements is arranged such that a length of the gases flow path and/or residence time within the chamber is increased.~~

~~33. The humidification chamber of claim 31 or 32, wherein at least one end of the or at least one of the one or more elements is coupled to or formed integrally with one or more of: the base; the top; and the side wall of the chamber.~~

~~34. The humidification chamber of any one of claims 31-33, wherein the at least one end of the or at least one of the one or more elements is attached to an inner surface of the side wall and the or at least one of the one or more elements extends radially from the inner surface of the side wall towards a center of the chamber and/or an opposing inner surface of the side wall.~~

~~35. The humidification chamber of any one of claims 31-34 wherein the or at least one of the one or more elements extends in a direction substantially parallel to the base of the chamber.~~

~~36. The humidification chamber of any one of claims 31-35, wherein the or at least one of the one or more elements is disposed above or proximate to a predetermined water level, such as a maximum water level, and/or to the gases inlet.~~

~~37. The humidification chamber of any one of claims 31-36, wherein at least one end of the or at least one of the one or more elements is attached to or formed integrally with an inner surface of the top and/or an inner surface of the base of the chamber.~~

~~38. The humidification chamber of claim 37, wherein said the or at least one element extends from the inner surface of the top and/or the base towards a center of the chamber and/or the other of the top or base.~~

~~39. The humidification chamber of any one of claims 31-38, wherein the or at least one of the one or more elements extends in a direction substantially perpendicular to the base.~~

~~40. The humidification chamber of any one of claims 31-39, wherein the gases inlet is orientated relative to the side wall to introduce the gases flow to the chamber at a direction substantially tangential to the side wall of the chamber, such that the gases flow entering the chamber spins around the chamber.~~

~~41. The humidification chamber of any one of claims 31-40, wherein the or at least one of the one or more elements is disposed within the chamber so as to form a winding or serpentine gases flow path.~~

~~42. The humidification chamber of any one of claims 31 to 41, wherein the or at least one of the one or more elements comprises one or more openings allowing at least~~

~~a portion of the gases flow to flow through the one or more elements between the gases inlet and the gases outlet.~~

~~43. The humidification chamber of claim 42, wherein the one or more openings are shaped and/or dimensioned and/or disposed on the one or more elements such that a length of the gases flow path within the chamber is increased.~~

~~44. A humidification chamber for use in a medical humidification system, the humidification chamber comprising:~~

~~a base and a top linked by a side wall to define the chamber;~~

~~the chamber being configured to contain a volume of water with a headspace for gases above the water;~~

~~a gases inlet configured to receive a gases flow from a gases source;~~

~~a gases outlet; and~~

~~one or more heating elements disposed within the chamber and/or coupled to the chamber, wherein the one or more heating elements are configured to increase an overall surface area for heat transfer and/or mass transfer to the gases flow.~~

~~45. The humidification chamber of claim 44, wherein the or at least one of the one or more heating elements is disposed around or below at least a portion of the chamber.~~

~~46. The humidification chamber of claim 44 or 45, wherein the base and/or at least a portion of the side wall has a bowl shape and the or at least one of the one or more heating elements has a corresponding bowl shape.~~

~~47. The humidification chamber of any one of claims 44-46, wherein the base of the chamber comprises a varying thickness.~~

~~48. The humidification chamber of any one of claims 44-47, wherein a thickness of a central portion of the base is greater than a thickness of at least a portion of the base adjacent or proximate the side wall.~~

~~49. The humidification chamber of any one of claims 44-48, wherein the or at least one of the one or more heating elements encloses the chamber.~~

~~50. The humidification chamber of any one of claims 44-49, wherein the or at least one of the one or more heating elements comprises a conductive casing configured to be heated by a heat source.~~

~~51. The humidification chamber of any one of claims 44-50, wherein the or at least one of the one or more heating elements is disposed within the chamber and at least one end thereof is coupled to a heater plate.~~

~~52. The humidification chamber of claim 51, wherein the heater plate is provided and/or coupled to the chamber such that the or at least one of the one or more heating elements extends from the base towards a center of the chamber and/or the top of the chamber.~~

~~53. The humidification chamber of any one of claims 44-52, wherein the or at least one of the one or more heating elements extends in a direction substantially perpendicular to the base.~~

~~54. The humidification chamber of any one of claims 44-53, wherein the or at least one of the one or more heating elements is dimensioned such that at least one portion thereof is disposed within a free space of the chamber, for example above a maximum water level, to heat the gases flow.~~

~~55. The humidification chamber of claim 54, wherein the or at least one of the one or more heating elements comprises a layer having hydrophilic propertiesor being of hydrophilic material.~~

~~56. The humidification chamber of claim 54, wherein said layer having hydrophilic properties is provided to at least said one portion disposed above a water level.~~

~~57. The humidification chamber of any one of claims 44-56, wherein the or at least one of the one or more heating elements is dimensioned so as to be disposed below a water level.~~

~~58. The humidification chamber of any one of claims 44-57, wherein the or at least one of the one or more heating elements comprises a linear heater fins and/or curved heater fins.~~

~~59. The humidification chamber of any one of claims 44-58, wherein the gases inlet is orientated relative to the side wall to introduce the gases flow to the chamber at a direction substantially tangential to the side wall of the chamber, such that the gases flow entering the chamber spins around the chamber over the volume of water.~~

~~60. A humidification chamber comprising:~~
~~a base,~~
~~a wall defining a cavity to hold a humidification fluid,~~
~~the wall comprising an arcuate section,~~
~~an inlet located on the wall, the inlet extending in a first direction,~~
~~an outlet located on the wall, the outlet extending in a second direction,~~
~~the second direction being substantially normal/perpendicular to the first direction.~~

~~61. A humidification chamber comprising:~~
~~a base and top linked by a side wall;~~
~~an outlet positioned in a central region of either the base or the top wall, wherein the outlet is concentric with the chamber;~~
~~an inlet;~~
~~wherein the outlet is normal to the inlet.~~

~~62. The humidification chamber of claim 61 wherein the outlet is provided in the base of the chamber.~~

~~63. The humidification chamber of claim 62 wherein the outlet extends downwardly from the base of the chamber.~~

~~64. The humidification chamber of claim 61 wherein the outlet projects into the chamber from the base.~~

19.~~65.~~ A humidification chamber ~~for use in a medical humidification system, the humidification chamber comprising:~~

~~a base and a top linked by a side wall to define the chamber;~~

~~a gases inlet configured to receive a gases flow from a gases source; and~~

~~a gases outlet,~~of any one of the preceding claims

wherein the gases inlet has a longitudinal axis which is substantially parallel to the tangent to the side wall and is located adjacent the side wall;

wherein the gases inlet is configured to introduce the gases flow to the humidification chamber adjacent the side wall at a velocity sufficient to causes the gases to attach to the side wall.

~~66. A humidification chamber for use in a medical humidification system, the humidification chamber comprising:~~

~~a base and a top linked by a side wall to define the chamber;~~

~~a gases inlet configured to receive a gases flow from a gases source; and~~

~~a gases outlet,~~

~~wherein the gases inlet is configured to introduce the gases flow to the humidification chamber at a direction non-orthogonal to the side wall of the humidification chamber, such that a flow path length of the gases flow through the chamber between the gases inlet and gases outlet, is increased.~~

20~~67~~. A humidification apparatus for use in a medical humidification system, the humidification apparatus comprising at least two humidification chambers, each of the

chambers comprising a humidification chamber according to any one of the preceding claims.~~:~~

~~a base and a top linked by a side wall to define the chamber;~~

~~the chamber being configured to contain a volume of water;~~

~~a gases inlet and configured to receive a gases flow from a gases source; and~~

~~a gases outlet;~~

~~wherein the gases inlet of each of the at least two humidification chambers is orientated relative to the side wall to introduce the gases flow at a direction substantially tangential to the side wall of the associated humidification chamber, such that the gases flow entering the chamber spins around the chamber over the volume of water.~~

~~68. The humidification apparatus of claim 67 wherein the gases outlet of a first humidification chamber is coupled to the gases inlet of a second humidification chamber.~~

~~69. The humidification apparatus of claim 67 or 68, wherein the gases inlet of the second humidification chamber comprises the gases outlet of the first humidification chamber.~~

~~70. The humidification apparatus of any one of claims 67 to 69~~-~~, further comprising a conduit allowing the gases flow exiting the first humidification chamber at the gases outlet thereof to enter the second humidification chamber at the gases inlet thereof.~~

~~71. A humidification chamber for use in a medical humidification system, the humidification chamber comprising:~~

~~first and second internal or sub-chambers, each of the internal or sub-chambers comprising a base and a top linked by a side wall to define the respective internal or sub-chamber;~~

~~at least one of the first and second internal or sub-chambers being configured to contain a volume of water;~~

~~at least one of the first and second internal or sub-chambers comprising a gases inlet configured to receive a gases flow from a gases source;~~

~~at least one of the first and second internal or sub-chambers comprising a gases outlet configured to allow the gases flow to exit the humidification chamber; and~~

~~wherein the gases inlet is orientated relative to the side wall to introduce the gases flow to the humidification chamber at a direction substantially tangential to the side wall of the humidification chamber, such that the gases flow entering the humidification chamber spins around the humidification chamber over the volume of water.~~

~~72. The humidification chamber of claim 71, wherein one or more internal elements are disposed within the first internal or sub-chamber and configured to guide the gases flow along at least a portion of the gas flow path between the inlet and the outlet of the humidification chamber.~~

~~73. The humidification chamber of claim 72, wherein the or at least one of the one or more internal elements comprises one or more heater elements configured to heat the gases flow flowing through the first internal or sub-chamber.~~

~~74. The humidification chamber of claim 72 or 73, wherein the or at least one of the one or more internal elements is disposed within the first internal or sub-chamber such that a length of the gases flow path within the humidification chamber is increased.~~

~~75. The humidification chamber of any one of claims 72 - 74, wherein at least one end of the or at least one of the one or more internal elements is coupled to one or more of: the base; the top; and the side wall of the humidification chamber.~~

~~76. The humidification chamber of any one of claims 72 - 75, wherein at least one end of the or at least one of the one or more internal elements is attached to an inner surface of the top and/or an inner surface of the base and the or at least one of the one or more internal elements extends towards a center of the first internal or sub-chamber and/or the opposing wall thereof.~~

77. The humidification chamber of any one of claims 72 -76, wherein the or at least one of the one or more internal elements is disposed within the humidification chamber so as to form a winding or serpentine gases flow path.

78. The humidification chamber of any one of claims 72-77, wherein the or at least one of the one or more internal elements comprises one or more openings allowing the gases flow to flow through the one or more elements between the gases inlet and the gases outlet.

79. The humidification chamber of claim 78, wherein the one or more openings are shaped and/or dimensioned and/or disposed on the one or more internal elements such that a length of the gases flow path within the humidification chamber is increased.

80. The humidification chamber of any one of claims 72-79, wherein:

the first internal or sub-chamber comprises:

a first gases inlet configured to receive the gases flow from the gases source; and

a first gases outlet configured to allow the gases flow to exit the humidification chamber;

the second internal or sub-chamber comprises:

a second gases inlet configured to receive the gases flow from the first internal or sub-chamber; and

a second gases outlet configured to allow the gases flow to exit the second internal or sub-chamber.

81. The humidification chamber of claim 80, wherein the first internal or sub-chamber at least partially encloses or is otherwise provided about the second internal or sub-chamber.

82. The humidification chamber of claim 80 or 81, wherein at least a portion of the gases flow flows around the outer surface of the side wall and/or top of the second internal or sub-chamber before exiting via the first gases outlet.

~~83. The humidification chamber of any one of claims 80-82, wherein at least a portion of the gases flow enters the second internal or sub-chamber at the second gases inlet prior to exiting the second internal or sub-chamber at the second gases outlet.~~

~~84. The humidification chamber of claim 72, wherein the second internal or sub-chamber comprises the gases inlet configured to receive the gases flow from the gases source and the gases outlet configured to allow the gases flow to exit the humidification chamber; and wherein, the first internal or sub-chamber at least partially surrounds or is provided about the second internal or sub-chamber so as to prevent or reduce heat loss in the second internal chamber.~~

~~85. The humidification chamber of claim 84, wherein the second internal or sub-chamber comprises one or more heater elements.~~

~~86. The humidification chamber of claim 85, wherein the or at least one of the one or more heater elements is disposed on a wall separating the first and second internal or sub-chambers.~~

~~87. The humidification chamber of any one of claims 1-66 or 71-86 or the humidification apparatus of any one of claims 67-70, wherein the gases inlet comprises one or more walls that define an elongate passageway, wherein the elongate passageway has an inlet end and an outlet end, the inlet end being fluidly couplable to the gases source to receive gases therefrom and the outlet end configured to direct gases into the humidification chamber.~~

~~88. The humidification chamber or apparatus of claim 87, wherein the elongate passageway is arcuate along its length.~~

~~89. The humidification chamber or apparatus of claim 87 or 88, wherein the elongate passage has a footprint and/or defines a gases path that approximates the contour of at least a portion of the inside of the side wall of the humidification chamber.~~

~~90. The humidification chamber or apparatus of any one of claims 87-89, wherein a first part of the elongate passageway has a greater cross-sectional area than a second part of the elongate passageway, wherein the first part is closer to the inlet end of the elongate passageway than the second part.~~

~~91. The humidification chamber or apparatus of claim 90, wherein the elongate passageway tapers along at least a portion of its length such that its cross-sectional area reduces moving towards the outlet end thereof.~~

~~92. The humidification chamber or apparatus of any one of claims 87-91, wherein at least a part of the elongate passageway is defined by or coupled to the top of the humidification chamber.~~

~~93. The humidification chamber or apparatus of any one of claims 87-92, wherein the elongate passageway is provided to and/or formed integrally with and/or couplable to an opening in the side wall or top of the chamber.~~

~~94. The humidification chamber or apparatus of any one of claims 87-93, wherein the outlet end defines an elongated opening that faces the base of the humidification chamber.~~

~~95. The humidification chamber or apparatus of any one of claims 87-94, wherein the elongate passageway is at least in part formed by a cavity that is formed by wall projecting at the top of the chamber.~~

~~96. The humidification chamber or apparatus of claim 95, wherein an internal top wall of said walls that define the elongate passageway is closer to the base of the chamber at a point closer to the outlet end than at the inlet end so as to direct gases towards the chamber base.~~

~~97. The humidification chamber or apparatus of claim 95 or 96, wherein an internal top wall of said walls that define the elongate passage is curved or arcuate such that the~~

passageway has a generally concave wall furthest from the chamber base when viewed from inside the chamber.

98. The humidification chamber or apparatus of any one of claims 1-66 or 71-86 or the humidification apparatus of any one of claims 66-70, wherein the gases inlet is provided in and/or extends through the side wall of the humidification chamber.

99. A medical gases delivery system comprising a humidification apparatus, the humidification apparatus comprising a humidification chamber as defined in any one of claims 1-66 or 71-86 or a humidification apparatus as defined in any one of claims 67-70 or 87-98.

100. The medical gases delivery system of claim 99, wherein the humidification apparatus comprises a heater to heat the chamber.

101. The medical gases delivery system of claim 99 or 100, further comprising any one or more of:
a gases source;
a patient interface; and
a delivery conduit configured to define a gases flow path between the gases source and the patient interface.

102. The medical gases delivery system of claim 101, wherein the humidification apparatus is configured to be placed in the gases flow path between the gases source and the patient interface.

103. The medical gases delivery system of claim 101 or 102, wherein the delivery conduit comprises a supply tube defining the gases flow path between the gases source and the humidification apparatus and/or a patient conduit defining the gases flow path between the humidification apparatus and the patient interface.

~~104. The medical gases delivery system of any one of claims 101-103, further comprising a connector provided between the delivery conduit and the patient interface.~~

~~105. The medical gases delivery system of any one of claims 99-104 adapted to deliver insufflation gases.~~

~~106. The medical gases delivery system of claim 105 when dependent on claim 104, wherein the connector is a Luer lock connector comprising at least one end configured to be coupled to a patient interface fitting.~~

~~107. The medical gases delivery system of claim 106, wherein the at least one end is further configured to lock and seal around an outer surface of the patient interface fitting when the Luer lock connector is coupled to the patient interface.~~

~~108. The medical gases delivery system of any one of claim 106 or 107, wherein the at least one end forms a seal with the outer surface of the patient interface fitting when the at least one end and the patient interface fitting are coupled.~~

~~109. The medical gases delivery system of any one of claims 105-108, further comprising a filter assembly forming part of the gases flow path, the filter assembly comprising: a filter medium operative to filter medical gases; a housing comprising an inlet, an outlet and the filter medium, the housing defining a gases flow path through the filter medium between the inlet and the outlet.~~

~~110. The medical gases delivery system of claim 109, further comprising at least one heating element positioned in the filter assembly housing that is configured to heat the filter medium; wherein, the at least one heating element is spaced apart from the filter medium and from an inner surface of the housing.~~

~~111. The medical gases delivery system of any one of claims 105-110, wherein the patient interface comprises a trocar or a cannula for laparoscopic surgery.~~

~~112. The medical gases delivery system of any one of claims 105-111, wherein the patient interface comprises a diffuser for use in open surgery.~~

~~113. The medical gases delivery system of any one of claims 105-112, wherein the gases source comprises a carbon dioxide supply.~~

~~114. A kit of parts for an unassembled medical insufflation system, the kit comprising:~~

~~a humidification chamber as defined in any one of claims 1-66 or 71-86 or a humidification apparatus as defined in any one of claims 67-70 or 87-98; and any one or more of:~~

~~a supply conduit defining at least part of a gases flow path between a gases source and the humidification chamber;~~

~~a patient conduit defining at least part of a gases flow path between the humidification chamber and a patient interface;~~

~~a filter assembly;~~

~~a tube connector at a gases source end of the supply conduit and/or at a patient interface end of the patient conduit;~~

~~a patient interface;~~

~~a humidifier comprising a heater plate for heating the contents of the humidification chamber; and~~

~~a gases source.~~

~~115. The medical gases delivery system of any one of claims 99-113 adapted to deliver respiratory gases.~~

~~116. The medical gases delivery system of claim 115, further comprising a flow generator being in fluid communication with the humidification chamber, the flow generator being configured to generate the gases flow.~~

~~117. The medical gases delivery system of claim 115 or 116, wherein the humidification chamber is configured to humidify the gases flow prior to delivery to a patient.~~

~~118. The medical gases delivery system of claim 115, wherein the humidification chamber is located downstream of the flow generator.~~

~~119. The medical gases delivery system of any one of claims 115-118, further comprising:~~
~~a patient interface; and~~
~~a delivery conduit configured to define at least part of a gases flow path between the flow generator and the patient interface, wherein the delivery conduit comprises one or more tubes.~~

~~120. The medical gases delivery system of claim 119, wherein the delivery conduit comprises a supply tube defining at least part of a gases flow path between the gases source and the humidification chamber and/or a patient conduit defining at least part of a gases flow path between the humidification chamber and the patient interface.~~

~~121. The medical gases delivery system of any one of claims 115-120, comprising a patient interface in the form of any one of: a nasal mask; an oro-nasal mask; an oral mask; a full face mask; a nasal cannula; and nasal pillows.~~

~~122. A kit of parts for an unassembled respiratory assistance system, the kit comprising:~~
~~a humidification chamber as defined in any one of claims 1-66 or 71-86 or a humidification apparatus as defined in any one of claims 67-70 or 87-98; and any one or more of:~~
~~a supply conduit defining at least part of a gases flow path between a gases source and the humidification chamber;~~
~~a patient conduit defining at least part of a gases flow path between the humidification chamber and a patient interface;~~

~~a filter assembly;~~

~~a tube connector at a gases source end of the supply conduit and/or at a patient interface end of the patient conduit;~~

~~a patient interface;~~

~~a humidifier comprising a heater plate for heating the contents of the humidification chamber; and~~

~~a gases source.~~

~~123. A humidification system comprising:~~

~~a humidifier or base unit comprising a heater plate; and~~

~~a humidification chamber as defined in any one of claims 1-66 or 71-86 or a humidification apparatus as defined in any one of claims 67-70 or 87-98.~~

~~124. The humidification system of claim 123, wherein the humidification chamber can be removably positioned in contact with the heater plate.~~