Claims

What is claimed is:

1. A fitting for use with metal, corrugated medical tubing (7) having peaks and valleys, the fitting comprising:

a nut (2) configured to receive the tubing (7);

a sealing member (3) for placement in a valley of the tubing (7), the sealing member (3) including a sealing surface (26);

an adaptor (1) configured to engage the nut (2), the adaptor (1) including an adaptor sealing surface (22); and

an anti-tamper sleeve (6) configured to encompass the nut (2) and adaptor (1);

wherein upon assembly, the tubing (7) is compressed between the adaptor sealing surface (22) and the sealing surface (26) of the sealing member (3);

wherein the adaptor (1) includes a retaining surface (24), and

the anti-tamper sleeve (6) is made from a metal; and

characterised in that

the anti-tamper sleeve (6) has a smooth exterior, and

the anti-tamper sleeve (6) is configured for press-fit assembly over the adaptor (1) and nut (2) via an interference fit between the retaining surface (24) of the adaptor (1) and a first inner diameter (38) of the anti-tamper sleeve (6).

2. The fitting of claim 1 wherein a double flare of the tubing (7) is compressed between the adaptor sealing surface (22) and the sealing surface (26) of the sealing member (3).

3. The fitting of claim 1 wherein the adaptor sealing surface (22) is curved.

4. The fitting of claim 1 wherein the adaptor (1) includes adaptor engagement threads (23) to engage nut engagement threads (30) on the nut (2).

5. The fitting of claim 1 wherein the anti-tamper sleeve includes a second inner diameter (39), the first inner diameter (38) being less than the second inner diameter (39).

6. The fitting of claim 1 further comprising a rear jacket lock sleeve (5) and a jacket lock (4), the jacket lock (4) configured to engage a jacket (29) of the tubing (7).

7. The fitting of claim 6 wherein the jacket lock (4) includes at least one jacket lock groove (34) on an interior surface of the jacket lock (4).

8. The fitting of claim 6 wherein the jacket lock (4) includes a jacket lock taper (35) and the jacket lock sleeve (5) includes a tapered surface (36) configured to engage the jacket lock taper (35) to compress the jacket lock (4) and reduce a diameter of the jacket lock (4).

9. A tubing system comprising a fitting according to any one of claims 1 to 8, wherein said fitting is secured to a metal, corrugated tubing (7) having peaks and valleys, wherein:

the nut (2) is positioned about the tubing (7);

the sealing member is located in a valley of the tubing (7);

the adaptor (1) is engaged with the nut (2); and

the anti-tamper sleeve (6) encompasses the nut (2) and adaptor (1);

and wherein the tubing (7) is compressed between the adaptor sealing surface (22) of the adaptor (1) and the sealing surface (26) of the sealing member (3), and

the anti-tamper sleeve (6) is assembled as a press-fit over the adaptor (1) and nut (2) via said interference fit between the retaining surface (24) of the adaptor (1) and the first inner diameter (38) of the anti-tamper sleeve (6).