

Claims

What is claimed is:

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

a nut configured to receive the tubing;

a sealing member for placement in a valley of the tubing, the sealing member including a sealing surface;

an adaptor configured to engage the nut, the adaptor including an adaptor sealing surface; and

an anti-tamper sleeve configured to encompass the nut and adaptor;

wherein upon assembly, the tubing is compressed between the adaptor sealing surface and the sealing surface.

2. The fitting of claim 1 the tubing is compressed between the adaptor sealing surface and the sealing surface comprises a double flare of tubing.

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

4. The fitting of claim 1 wherein the adaptor includes adaptor engagement threads to engage nut engagement threads on the nut.

5. The fitting of claim 1 wherein the adaptor includes a retaining surface to provide an interference fit with the anti-tamper sleeve.

6. The fitting of claim 5 wherein the anti-tamper sleeve includes a first inner diameter and a second inner diameter, the first inner diameter less than the second inner diameter, the first inner diameter engaging the retaining surface of the adaptor.

7. The fitting of claim 1 further comprising a rear jacket lock sleeve and a jacket lock, the jacket lock configured to engage a jacket of the tubing.

8. The fitting of claim 7 wherein the jacket lock includes at least one jacket lock groove on an interior surface of the jacket lock

9. The fitting of claim 7 wherein the jacket lock includes a jacket lock taper and the jacket lock sleeve includes a tapered surface configured to engage the jacket lock taper to compress the jacket lock and reduce a diameter of the jacket lock.

10. A tubing system including a fitting secured to a metal, corrugated tubing having peaks and valleys, the fitting comprising:

a nut positioned about the tubing;

a sealing member located in a valley of the tubing, the sealing member including a sealing surface;

an adaptor engaging the nut, the adaptor including an adaptor sealing surface; and

an anti-tamper sleeve encompassing the nut and adaptor;

wherein the tubing is compressed between the adaptor sealing surface and the sealing surface.