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 a retaining surface; and

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

wherein the anti-tamper sleeve includes a first inner diameter and a second inner diameter, the first inner diameter is less than the second inner diameter, and the first inner diameter engages the retaining surface of the adaptor to provide an interference fit with the anti-tamper sleeve;

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

2. The fitting of claim 1, wherein the tubing which 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~~5. 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~~6. The fitting of claim ~~5~~7 wherein the jacket lock includes at least one jacket lock groove on an interior surface of the jacket lock

~~9~~7. The fitting of claim ~~5~~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.

~~8~~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 a retaining surface; and

an anti-tamper sleeve encompassing the nut and adaptor;

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 engages the retaining surface of the adaptor to provide an interference fit with the anti-tamper sleeve;

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