



Fluid Power Specialist



Advantages of the Lenz Tube Fitting over Pipe

- 1) Tubing has strong but relatively thin wall, easy to bend.
- 2) Tubing is relatively stronger. No weakened sections from the reduction of wall thickness by threading. About 40 % less.
- 3) No dead weight in extra wall thickness for threading: tube fittings, being smaller, weigh less; fewer tube fittings needed per installation.
- 4) Tubing, having better bending qualities and smaller outside diameter, saves space and permits working in closer quarters.
- 5) Tubing, being less rigid, has less tendency to transmit vibration from one connection to another.
- 6) Fewer fittings — Tubing bends substitute for elbows. Fewer fittings mean fewer joints and fewer possible leaks.
- 7) Streamlined flow passages of tubing system means less turbulence of fluid.
- 8) Tubing permits smoother contours is more adaptable to space limitations.
- 9) Cleaner fabrication — No sealing compounds on the tube connections, no threading or welding; minimum chance of scale, metal chips, foreign particles in system.
- 10) Every tube connection serves as a union, can be reassembled repeatedly; trouble free installations.
- 11) Foregoing advantages of tubing and tube fittings add up to dependable, trouble-free installations.

The publication of the JIC Hydraulic Standards for Industrial Equipment, which became effective in 1949, and the more recent SAE standards, have given considerable impetus to the use of this low carbon steel tubing. In fact, both specifications recommend the use of such tubing in all pressure ranges up to 3000 PSI.

