

COILED TUBING (CNG XP)



PAC Stainless is your stocking source for stainless steel tubing for use in compressed natural gas (CNG) stations. CNG XP™ Tubing, manufactured by HandyTube Corporation, is a premium long-length coil that has been engineered with CNG filling stations in mind. This application demands a tubing product that can provide maximum flow over long, leak free lengths of a highly compressed small molecule gas, while minimizing potential leak points. This product is fully heat- and lot-traceable and meets ASTM A269/A213 certification standards.

WHAT IS CNG?

CNG, or Compressed Natural Gas is a clean burning alternative fuel commonly used for fleet vehicles. As more companies and individuals begin to adopt the benefits of this affordable and domestically abundant resource, the need for more CNG filling stations will rise. CNG XP™ is the preferred tubing solution when constructing these stations.

REDUCED INSTALLATION COSTS

The traditional solution for CNG applications involves welding pipes or stick tubing together over long lengths. This can be costly and time consuming. CNG XP™ Tubing is a truly seamless product, free from longitudinal or orbital welds, and is provided in continuous lengths. This allows for significant reductions in labor costs and installation time, and eliminates potential leak points.

Creating a more reliable system in less time: that's the value of CNG XP™ Tubing.

CUSTOM WALL THICKNESS

CNG XP™ Tubing has a non-standard wall thickness, engineered to withstand the high pressures seen in CNG applications. The custom wall maximizes flow potential and minimizes fill times, creating a more efficient solution overall.

RESTRICTED TOLERANCE

Even when using high quality tubing and tube fittings, there is still a potential for a compressed small molecule gas to escape through spaces as minor as tolerance gaps. With this in mind, CNG XP™ Tubing is manufactured with zero negative outer diameter (OD) tolerance to ensure a reliable, leak tight seal when installing tube fittings.

THREE SIZE OPTIONS AVAILABLE

OD	OD TOLERANCE	WALL THICKNESS	WALL TOLERANCE	PRESSURE RATING
1/2"	+ .005" / - 0"	0.070	+/- 10%	5,500 PSI*
3/4"	+ .005 / - 0"	0.104	+/- 10%	5,500 PSI*
1"	+ .005" / - .005"	0.139	+/- 10%	5,500 PSI*

*Internal design gage pressure calculated per ASME B31.3 for temperatures -425 to 300°F

All Pressure Ratings are approximate and for illustration purposes only. Values are not Guaranteed or Warranted.

T316/L (2.5% Min. Mo.) (UNS S31600/UNS S31603) CHEMICAL COMPOSITION % (MAX.)

Cr	Chromium	16.0 - 18.0
Ni	Nickel	10.0 - 14.0
C	Carbon	0.035
Mo	Molybdenum	2.5 - 3.0
Mn	Manganese	2.00
Si	Silicon	1.00
P	Phosphorus	0.045
S	Sulfur	0.030
N	Nitrogen	0.04

