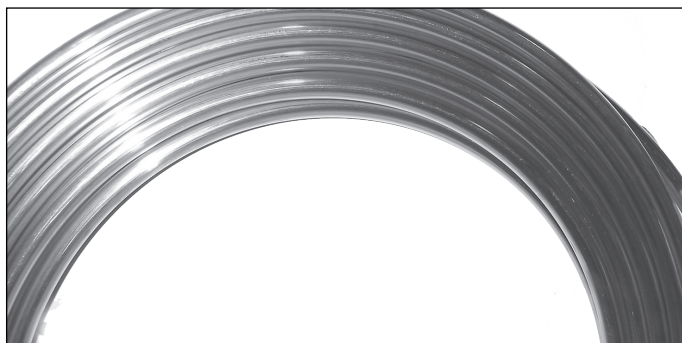
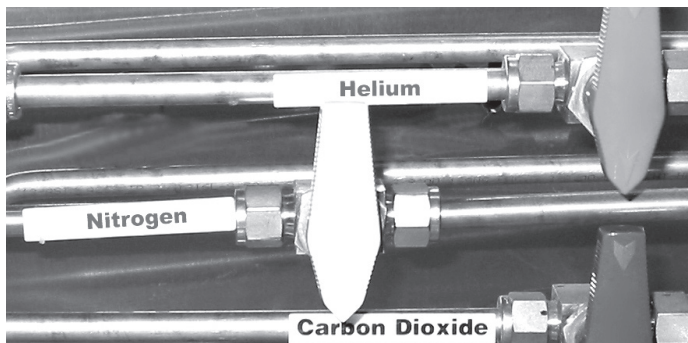


RESONATOR AND ASSIST GAS TUBING



CONCOA's cleaned and capped, annealed ½" copper tubing is ideal for initial laser assist set up and production. The .035" wall thickness permits 650-700 PSI maximum working pressure at 100°F for both nitrogen and oxygen. In the annealed state, the 50' coiled tubing facilitates ease of installation with mechanical tube fittings. The tubing can be easily formed to minimize right angle bends in order to maximize flow capacity. This makes CONCOA's assist gas tubing the right choice for laser assist performance.

CONCOA's zero permeation 316L ¼" stainless steel seamless tubing meets the laser industry's hydrocarbon free specification. The resonator grade tubing goes a step further by eliminating all halocarbons as a result of the cold finished bright annealed processing. The cold drawn process produces a seamless surface finish that eliminates leak paths (flat spots) associated with welded tubing. The high surface finish reduces surface tension thereby preventing particulate adhesion and off-gassing.

Resonator Tubing

Material

316L stainless steel

Diameter

¼" outside diameter
.035" wall thickness

Length

50 ft (15m)

Maximum Working Pressure

6500 PSIG (524 BAR)

Assist Gas Tubing

Material

ASTM B280 grade copper
Cleaned, capped with N₂ purge

Diameter

¼" outside diameter
.035" wall thickness

Length

50 ft (15m)

Maximum Working Pressure

650-700 PSIG (45-48 BAR) @ 100°F (38°C)

Options

Part Number	Description
9080035	50" (1270mm) 316L ¼" stainless coiled tube
9080032	50" (1270mm) ½" O.D. annealed coiled tube cleaned and capped