

Accessories

LASER INSTALLATION KITS



CONCOA laser installation kits provide technicians with the necessary components to enable rapid field startup of laser equipment. Simplifying the regulator, fitting, and hose installation process increases the timeliness and efficiency of laser startup and validation while minimizing cost. CONCOA's complete line of laser equipment also maximizes laser performance. The 67B Series high flow, high-pressure nitrogen assist gas regulator ensures a quality finish by ejecting molten metal from the kurf zone with instantaneous response and minimal pressure drop. CONCOA's 601 Series regulator delivers industry leading low permeation rates with 1×10^{-8} helium leak rate and an integral purge valve with minimal threaded connections. These dynamics are vital in CO₂ based resonator applications, as permeation directly contributes to contamination, leading to higher maintenance costs and decreased productivity resulting from poor beam quality. Combined with robust materials of construction and decades of industry experience, CONCOA laser installation kits ensure optimal performance and reliability.

Materials & Specifications

Maximum Working Pressures

Assist: 2000 PSIG (140 BAR)
Resonator: 200 PSIG (14 BAR)

Laser Gas Hoses

Assist: 25 foot nylon core, fiber reinforced, polyurethane coated 1/2 inch hose
Resonator: 25 foot or 75 foot HDPE 1/4 inch hose

Hose End Connections

Assist: Steel 37° female flare fittings with male adapters
Resonator: Brass compression fittings and tube inserts

Ordering Information

Part Number	Description
69KCC01	Laser Assist Gas Kit
69KCC02	Laser Resonator Pre-mix Kit
69KCC03	Laser Beam Purge Kit
69KCC05	Individual Resonator Gas Kit