

# Laser Regulator Gas Start-Up Kits

**LaserStar**  
By Praxair



**LASERSTAR™ HPS**  
One Oxygen Assist Gas Regulator Assembly

**Inlet Connection**  
CGA 540 (or 1/4 in. FNPT)



**LASERSTAR HPS**  
One Beam Purge Gas Regulator Assembly

**Inlet Connection**  
CGA 580 (or 1/4 in. FNPT)



**LASERSTAR HPT**  
One to Three Resonator Gas Regulator Assemblies

**Inlet Connections**  
1 × CGA 320 (or 1/4 in. FNPT)  
2 × CGA 580 (or 1/4 in. FNPT)



**LASERSTAR K10**  
One Nitrogen Assist Gas Regulator Assembly

**Inlet Connection**  
CGA 580 (or 1/2 in. FNPT)  
up to 2,900 psig inlet

Praxair's regulator start-up kit is designed to work specifically with CO<sub>2</sub> lasers. These regulators feature helium holding integrity of 1×10<sup>-8</sup> scc of helium per second, stainless steel diaphragms, and built-in 10 micron filters, unless otherwise specified.

**Easy installation and testing.** Start-up kit includes all regulators, connections and hoses. Two gas line particle testers are included to verify that the copper oxygen and nitrogen assist gas lines were properly installed and are free of copper oxide ash.

**Praxair Part No.**

PRX (MFG) CO2 Amada-1	PRX (MFG) CO2 Trumpf-1
PRX (MFG) CO2 BLM Adige-2	PRX (MFG) CO2 Trumpf-3
PRX (MFG) CO2 Bystronic-1	PRX (MFG) CO2 Prima-3
PRX (MFG) CO2 Bystronic-3	PRX (MFG) CO2 NTC-1
PRX (MFG) CO2 Cincinnati-1	
PRX (MFG) CO2 Cincinnati-2	
PRX (MFG) CO2 Cincinnati-3	
PRX (MFG) CO2 LVD-Strippit-1	
PRX (MFG) CO2 Mazak-1	
PRX (MFG) CO2 Mitsubishi-1	

For lights-out operations or multiple lasers, add FMS to the part number to replace the resonator gas regulator with the 2×2 switchover

**LaserStar 2×2 Switchover**

For Flexible Manufacturing Systems (FMS), or a multiple laser installation, the exclusive Praxair 619 switchover has a helium holding integrity of 1×10<sup>-9</sup> scc of helium/second. This switchover is ported with four inlets for use with 2 to 4 cylinders of resonator gases per switchover. The kit includes two pigtails for each gas type. Two of the inlet ports are plugged for later expansion.



**Pigtails**

BRK 220252124H36320  
BRK 220252124H36580

**Option**

Stainless steel tubing from switchover to laser:  
LSU25T316L, qty. 20 ft.