

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 CO₂ lasers. These regulators feature helium holding integrity of 1×10⁻⁸ 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.

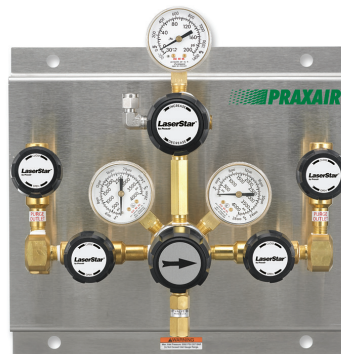
Praxair Part No.

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 1×10⁻⁹ 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.