

# SPECIALTY GAS

BULK & MICRO BULK DUAL REGULATOR MANIFOLD  
AND HARRIS UNIVERSAL BASIC LASER START-UP KITS



**The Model 1030** is a high flow gas supply manifold intended to be attached downstream of a bulk gas system/vaporizer and which will regulate the pressure and flow of gas into facility pipelines. The manifold utilizes the Harris Model 3550-250 regulators with stainless steel diaphragms. Flow rates up to 10,000 scfh can be achieved at the nominal inlet pressure of 350 psi. The system has a 450 psi maximum rated inlet pressure.

- Primary pressure control from bulk systems
- High flows up to 10,000 scfh at 350 psi inlet
- Quarter turn valves to indicate open and close
- Standard model delivers 0-250 psi (custom pressures available)
- Max inlet pressure of 450 psig
- Stainless steel diaphragms
- Multiple pressure relief valves for safety
- Designed to meet NPFA 99
- Dual regulator set-up for redundancy
- Rack to support the manifold system
- Ready to install out of the box with mounting station

## RECOMMENDED ACCESSORIES

- P/N: 4000957 (Model 3550-250) High flow regulator for secondary gas control inside a facility or point-of-use



PART NO.	MODEL NO.	MAXIMUM INLET PRESSURE	MAXIMUM FLOW RATE (scfh)	GAS SERVICE	DELIVERY RANGE	INLET/OUTLET FITTING
4705300	1030 - 250 w/ Frame	450 PSI	10,000	N <sub>2</sub> , O <sub>2</sub> , Ar, CO <sub>2</sub>	40 - 250 PSI	1/2" NPT
4705200	1030 - 250 w/o Frame	450 PSI	10,000	N <sub>2</sub> , O <sub>2</sub> , Ar, CO <sub>2</sub>	40 - 250 PSI	1/2" NPT

**Harris Universal Basic Laser Start-Up Kits** provide the most common equipment necessary for supplying resonator and assist gases to the laser. Basic kits contain high purity regulators for the resonator gases, high-flow dome-loaded regulators for nitrogen and oxygen assist gas. Laser grade hose is included for the resonator gas, as well as, two high-capacity hoses for the assist gas.

## BASIC ASSIST GAS KITS

- Two high flow dome-loaded regulators for nitrogen and oxygen
- Two heavy duty 1/2" I.D. x 50 ft hoses
- Commonly used fittings for easy hook-up  
(Some laser models may require additional fittings sold separately.)

## BASIC RESONATOR GAS KITS

- High-purity two-stage regulator for each resonator gas
- System includes block and bleed purges to protect laser optics
- 100 ft. of laser grade tubing for high purity laser gases
- Commonly used fittings for fast and easy installation  
(Some laser models may require additional fittings sold separately.)



PART NO.	DESCRIPTION
4703519	Harris basic laser start-up kit, 3-gas universal
4703522	Harris basic laser start-up kit, premix gas universal
4703521	Universal basic assistgas start-up kit

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Prompt 2

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