# TRIFECTA X-SERIES

### The Trifecta® X-Series is the preferred solution for reliable and continuous laser assist gases for delivery pressures up to 450 psig and flow rates up to 15,000 scfh. Drawing liquid from a standard bulk tank, the Trifecta system boosts the liquid pressure by alternately feeding two liquid cylinders equipped with innovative multi-function pressure building vaporizers. The Trifecta solution has no down-time and minimal losses when compared with other laser assist gas solutions. This convenient solution eliminates high-pressure pumps, compressors, cylinder cradles and surge tanks.



Visual Indication for Operation Modes





Integrated Bulk Tank Pressure Sensor

Dual Relief Valve Assembly



Two Main Connections Simplify Installation



Model X15

### **PRODUCT HIGHLIGHTS**

- System utilizes standard low-pressure bulk tank to lower investment and use existing assets
- No downtime system maintains pressure and flow when bulk tank is filled and eliminates excessive product losses associated with high-pressure bulk tanks
- Cylinders switch by pressure instead of level to further reduce product loss and protect against pressure decay
- Robust design features streamlined all stainless steel piping with only five control valves and one integrated electronic control system (PLC) for increased durability and reliability
- Computer-controlled design simplifies installation, start-up and continuous operation
- Frame assembly features a protective top cover in a compact footprint with an elevated base for improved ventilation
- Inconel and copper material used where required on high pressure oxygen unit
- Both models meet CGA guidelines for oxygen distribution systems



Innovation. Experience. Performance. .

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### SIMPLIFIED STAINLESS STEEL PLUMBING WITH PROTECTIVE TOP COVER

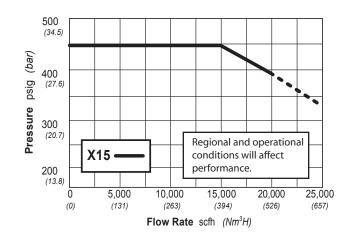


#### System Requirements

- -15 amp, 110 VAC power, dedicated circuit (230 VAC panel also available)
- Bulk storage tank with 50 psig minimum pressure
- External vaporizer, minimum 600 psig working pressure, sized for maximum flow rate
- Two piping connections to bulk storage tank (liquid withdrawal & low phase instrument line)
- High-flow pressure regulation

#### Dimensions

Length	53"	1347 mm
Width	55"	1400 mm
Height	96"	2440 mm
Weight X15	1800 lbs	815 kg



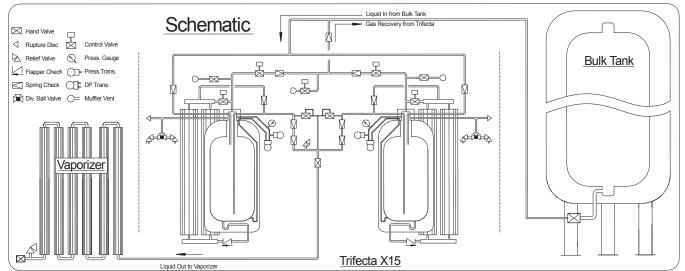


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Service	MAWP (psig)	MAOP (psig)*	X15	
LOX	500	450	Х	
*Manimum Allaurahla Oranatina Pranuna				

\*Maximum Allowable Operating Pressure