

# Trifecta® X-SERIES

## Laser Assist Gas Supply System

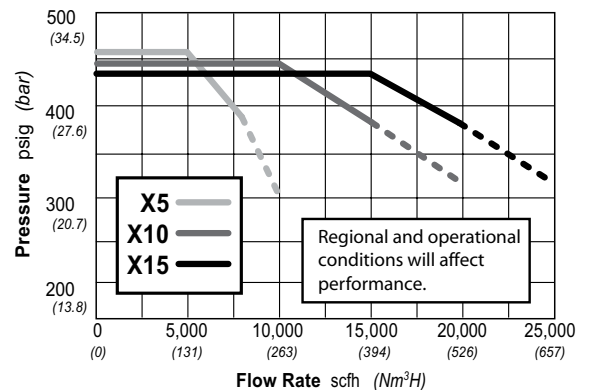
Nitrogen Service



The *Trifecta* X-Series is a preferred solution for reliable and continuous laser assist gases for delivery pressures up to 550 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 others laser assist gas solutions. This convenient solution eliminates high-pressure pumps, compressors, cylinder cradles and surge tanks.



Service	MAWP psig	MAOP psig	Model X5	Model X10	Model X15
LIN	500	450	X	X	X
LIN	600	550		X	X

Table provided by Chart Industries.

### Features & Benefits

- System utilizes standard low pressure bulk tank to lower investment and use existing assets.
- 100% welded tube and plate steel framework—no extruded aluminum.
- 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 by 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.
- Available for nitrogen, argon or oxygen service.