

Compressor solutions for laser cutting with Nitrogen



Metal treatment companies and manufacturers of machine tools for laser cutting, nitrogen generators or nitrogen membranes use Sauer compressors to:

- boost Nitrogen in the laser cutting machine
- create an inert atmosphere surrounding the laser
- shield the flame and provide a clean cut
- cut stainless steels, aluminium and its alloys

Product line
SAUER

Product ranges

//// *Mistral*
//// *Hurricane*
//// *Tornado*

Variants
BasBooster
ComBooster

Volumetric low
5 – 59 scfm

Pressure range
580 – 4351 psig

Media
Nitrogen

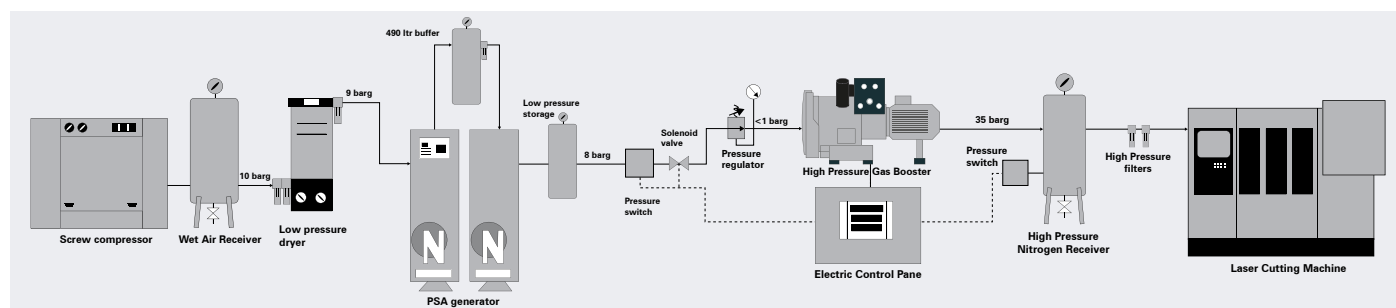


Compressors

The Sauer compressors are used to boost Nitrogen which is usually supplied at between 58 – 102 psig suction pressure and then compressed to either 580 psig or 4351 psig for storage in a small buffer tank or a high pressure receiver vessel.

Common supply

Nitrogen is supplied from a pressure swing adsorption (PSA) generator to provide 99.998% purity of the gas which is needed for a clean cut. Since the demand can regularly vary from high to low flow requirements, a high pressure receiver vessel is considered as the most suitable for discontinuous usage.



Dependable up to 7,000 psi – anywhere, anytime, anygas.

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