

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 | Product ranges | Variants |
|--------------|--------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| SAUER | <ul style="list-style-type: none"> //// Mistral //// Hurricane //// Tornado | <ul style="list-style-type: none"> BasBooster ComBooster |
| | | Volumetric flow 10 – 100 m ³ /h |
| | | Pressure range 40 – 300 barg |
| | | Media Nitrogen |

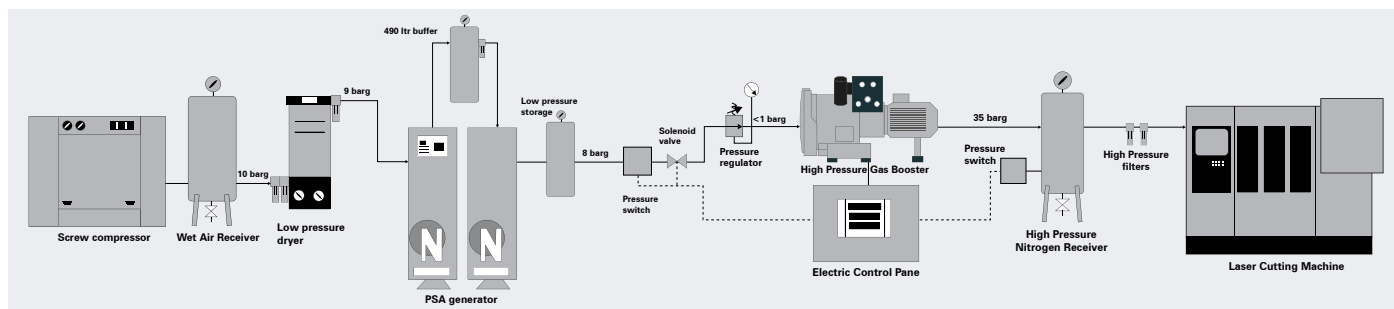


Compressors

The Sauer compressors are used to boost Nitrogen which is usually supplied at between 4 – 7 barg suction pressure and then compressed to either 40 barg or 300 barg 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 500 bar – anywhere, anytime, anygas.

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