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When it comes to oil free compression of gases and air, the device most often recommended to use would be an air driven gas booster. Maximator gas boosters operate on air and not other alternative power sources such as electricity. Ultimately, using air driven gas boosters the user experiences a significant savings in cost of power and maintenance and achieves the operating gas pressures originally desired. Today, gas boosters are an important role in both the industrial, recreational and commercial industry sector in the oil free compression of air as well as other inert gases such as Carbon Dioxide, Argon, Hydrogen, Natural Gas, Helium, Nitrogen and Xenon. While these gases can be compressed to operating pressures as high as 21,750 psi, oxygen can only be compressed to an operating pressure of 5,075 psi for safety reasons.

In the recent past, there has been a significant demand for a gas booster from the recreational as well as commercial scuba diving industry. The market offers respectable brands such as Maximator to make Oxygen gas boosters and Oxygen re-breather gas boosters that are specifically made to target these industries. Maximator air driven gas boosters are a one-time investment that will give you a significant return in the years to come along with a savings on power & maintenance tomorrow.

Let's take a look at how the use of gas boosters can prove to be beneficial to your overall operations:

These devices provide ease of installation and operation. They can be offered as a package where everything is needed is plumbed and mounted onto the booster making them light in weight and compact by size allowing for installation in areas where less space is available easy.

One can choose between single or double acting and one or two stage models, giving the user more options in compression ratios, so as to achieve the desired output pressure when boosting from a source that is constantly changing and reducing. Double air head is also available as an option in the single and two stage boosters for applications requiring a higher output flow rate.

The greatest advantage is that these boosters do not require electrical power to operate. They are driven by air reducing costs in power & maintenance and increasing safety. Secondly, you do not need to use lubricants with these devices.

They give you a variety of pressure and compression ratios as you can use these devices in parallel or in series so as to achieve high pressures from very low pressures. Most importantly, air driven gas boosters are contaminant free allowing the user to keep the purity level of its gas at its highest.

There are several applications where Maximator gas boosters are nearly indispensable. For instance, they can be used to scavenge gases from storage bottles allowing the user to get more gas from the storage vessels, initially increasing production costs. They can also be used for the boosting of hazardous gases such as Oxygen and the pressure testing of items such as valves, hoses or vessels for leaks and durability. These devices are also commonly used for charging accumulators or vessels and also for injecting nitrogen in molding machines. The fire department and scuba diving industry benefits from gas boosters as they are used in creating breathing air systems which recharge the tanks used for breathing and also in charging extinguishers.

Typically, these boosters are compatible with commonly used gases such as air, nitrogen, helium, oxygen, carbon dioxide, nitrous oxide, neon, argon, hydrogen, carbon monoxide, methane, ethylene and natural gas. If, for any reason, you need to use a gas booster with any other type of gas, it is

advisable to contact an expert at High Pressure Technologies as to ensure the proper seals are used to avoid deterioration.

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I have 10 years of experience in high pressure industries. Now days various types of a [gas booster](#) is used to boost gas and air pressure. Check out online for a [Maxpro](#) and Maximator air booster that can fulfill all your industrial needs.

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