A Gas Booster Offers Many Compression and Pressure Ratios by Peter R. Duffy

Article published on January 16th 2012 | Marketing

An air driven gas booster is a great option for oil free compression of air and gases. They are known for their high pressure capability even as they maintain the purity of the gas they are compressing. These tools can be used for increasing pressure from 30 PSI up to 21,750 PSI.

If you have a process where you need to compress gases like carbon dioxide, helium, hydrogen, natural gas, nitrogen, xenon and air to operating pressures of 21,750 PSI, the air driven gas booster is an ideal choice. Oxygen can also be compressed to operating pressures of 5,000 PSI making these boosters increasingly popular in the recreational scuba diving and commercial diving industry.

Another great advantage of these machines is the fact that they do not require any electrical or cooling connections; in addition they are intrinsically safe. As an owner, one would need to incur minimum maintenance costs on gas boosters. Depending on where you need to use them, these gas boosters can be mounted in any position. However, it is advisable to choose only renowned brands such as Maximator and Maxpro to steer clear of any lapse in quality measures.

Letâ€™s take a look at some of the applications of gas boosters:

Nitrogen injection for molding machines

Testing of gas pressure levels and leak testing

Low pressure gas reclaim from storage bottles

Breathing systems for scuba divers and fire department tanks

Boosting gas pressures from nitrogen or Oxygen generators

The best part about boosters made by reputable brands is their compact and light weight design. This makes them easy to install almost anywhere across your facility. Now that you are familiar with the function and applications of gas boosters, letâ€™s take a look at their types. The following list is what you could typically expect from some leading manufacturers:

Single Acting Single Stage Gas Boosters: These are among the smallest and most light weight varieties available. However, they can be used for pressure output ranging up to 10,875 PSI.

Double Acting Single Stage Gas Boosters: These machines provide twice the delivery flows of the single acting variety. They demonstrate a more constant output.

Two Stage Gas Boosters: They feature a single air head and a double acting two-stage configuration. This variety is best used for low gas supply pressures such as reclaiming bottled gas or boosting pressures from a nitrogen generator or vaporizer.Double Air Head Single Stage Gas Boosters: These gas boosters are a great option if you need maximum flow in low air drive and gas supply pressure conditions. They offer incredible combination of pressure and compression ratios. Alternatively, you could also opt for the Double Air Head Two Stage Gas Boosters from reputed manufacturers.

Itâ€™s always best to source a gas booster from a noted distributor dealing in Maximator and Maxpro products so that your future worries relating to maintenance and repairs are also taken care of.

Article Source:
http://www.articleside.com/marketing-articles/a-gas-booster-offers-many-compression-and-pressure-ratios.htm - Article Side

Peter R. Duffy - About Author:
High Pressure Technologies is an exclusive distributor for a Maxpro and Maximator range of a Gas Booster, Air Booster and their complete line of Medium, High and Ultra-High Pressure Valves, Fittings and Tubings.

Article Keywords:
gas booster, maxpro

You can find more free articles on Article Side. Sign up today and share your knowledge to the community! It is completely FREE!