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An Air Booster Offers You the Desired Working Pressure by [Peter R. Duffy](#)

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An air amplifier, also referred to as an air booster, is a machine that helps increase plant air pressure. An air amplifier is easy to install and use, making it the favored option across industry verticals. Essentially, this tool helps increase air pressure at work stations and pneumatically operated machines in case the existing working pressure is deficient.

Air amplifiers can also be teamed with different types of air operated machines, thus increasing the efficiency and output of such machines. When used in standard operating conditions, air boosters are capable of generating pressure ranging from 30 PSI up to 4,350 PSI. Though the air amplifier marketplace offers many options, the best products come from the house of Maximator and Maxpro. These products can be bought through eminent dealers. It's advantageous to purchase from a dealer as you can discuss your concerns and requirements in detail with dealers. They would then go on to suggest the most suitable product for you. A number of noted dealers have made their presence felt on the internet, so all you need to do is run an internet search.

Know more about the functioning of air boosters

Air boosters are indispensable when it comes to enhancing existing plant air to higher pressures. These machines work on a simple mechanism—each air amplifier comprises a spool valve that functions as a 4-way directional control valve. Plant air is conveyed to this spool valve that mechanically and repeatedly cycles backward and forward. As the spool cycles, the air inside is alternately shifted to the main air drive piston in the air drive cylinder. This is basically what leads to the back and forth motion of the piston in the air booster.

Subsequent to this process, the air travels into a high pressure section through the inlet check valve(s) and is pushed out of the chamber through the outlet check valve(s). This reciprocating movement between the air drive section and the high pressure section causes positive displacement of air through the inlet and outlet check valves.

Maximator's air booster range has earned a veritable reputation in the industry owing to their superior components. By sourcing their air boosters from a reputed dealer, your future repair and maintenance issues would be taken care of.

What makes an amplifier so versatile is the fact that they can be installed in any position.

Let's take a look at some air amplifier varieties that Maximator offers:

2:1 Single Stage Amplifier Double Acting: It's suited for applications requiring a high flow rate and amplified air pressure.

Multiple Ratio Single Stage Air Amplifier Double Acting: These tools are an apt choice if you face insufficient air pressure problems. These amplifiers are capable of boosting air pressure up to 4,350 PSI.

Since this air booster range is light and compact, you could install these tools anywhere you need them around the shop floor.

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High Pressure Technologies is an exclusive distributor for a [Maxpro](#) and Maximator range of a [Air Booster](#), Air Amplifier and their complete line of Medium, High and Ultra-High Pressure Valves, Fittings and Tubings.

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