

System for Generating Air Pressure or Vacuum for Pneumatic Seed Meters

An installation for pneumatic seeders with a plurality of electric motor suction (or motor compressor) units, each of which operates connected to a pneumatic dosing device, allows the elimination of the hydraulic motor and circuits, achieving a drastic reduction of pneumatic planters's production costs and fuel consumption.

The benefits of the pneumatic seed meters, against the mechanical ones, are well known.

But there are - up nowadays - a lot of disadvantages, such as:

- More power needed by the tractor
 - Significant difference in the fuel consumption
 - Increased total cost of the equipment
 - Higher maintenance cost the hydraulic circuit and parts
- With this innovation all the drawbacks are overcome and we achieve:
- A drastic reduction of machinery production costs by the elimination of a lot of complex parts, such as: hydraulic motor and pump, oil heat interchanger, tank, filter, hydraulic circuits, etc
 - Reduction of maintenance time and costs
 - Easier equipment's transport
 - Important reduction in the consumption of fuel
 - Less power needed from the tractor