



HORIZONTAL PUMP SETS - GENERAL DESCRIPTION

As a standard, these pump sets are built with various capacities and they are composed of:

- A horizontal welded sheet steel tank with perfect vacuum seal;
- A rotary vane vacuum pump to be selected according to the required suction flow rate and level of vacuum;
- A digital vacuum switch for adjusting the level of vacuum within which to operate;
- A vacuum gauge for a direct reading of the level of vacuum in the tank;
- A switchgear enclosed in a special plastic casing for tanks from 25 to 50 litres and in a watertight metal casing for tanks of 100 litres upwards;
- A manual valve for vacuum interception;
- A cock for condensation drainage.

The level of vacuum, preset via the digital vacuum switch is automatically maintained in the tank.

The pump operation can be both continuous or automatic.

Pump sets are normally used for handling particularly heavy or valuable loads since, in case of electricity failure, they allow the vacuum cups to maintain the grip for a certain amount of time, according to the tank capacity.

These pump sets are recommended for multi-point applications, to centralise vacuum.

These pump sets offer many advantages in energy consumption, since the pump operates only when required by the machine.

