

Central Vacuum Systems

Ducts and pipe fittings

Flexair offers complete solutions for building up pipe systems for the central vacuum systems. Our piping systems are characterized by high quality and with many possible combinations which allows for the construction of proper sized ducting.

These pipes are made of electrically galvanized steel tubes and is a complete range of pipes, elbows manifold, suction outlets, mounting accessories etc..

Most of the components used for construction of the pipe systems is in stock and can be supplied at short notice.



Control Unit - Invertes

All installations can be supplied with customized controls that meet the exact requirements your company has the function of the central vacuum systems.

Usually, all installations with Vacon AC drives to achieve energy efficient operation. With its pressure transducer it is possible to get the system to operate in precisely the area where the best performance is available.

The unit will automatically regulate the effect on the installed vacuum pump according to the current need for extraction. In idle mode the device will typically allow regulation of the electric motor down to only 20 Hz. and at full power the electric motor typically could run up to 55 to 65 Hz. depending on the type of vacuum pump.



Control unit - EcoFlex

Flexair has developed our own complete controlunit - called "EcoFlex". This controller contains all the operational functions that is normally used in the installations we project.

The "Eco-Flex" controlunit can manage the following functions:

Option for start / stop via switches on the suction outlets • Delayed stop of the vacuum pump after the last suction outlet is closed • Signal to dampers (if mounted on main pipes) for flushing pipe system before stopping • Adjustable timers for operating twin slide valves for discharge of material into container / big-bag • Adjustable timer control for filter cleaning • Output for CTS control • Signal to start / stop the inverter.

All control functions are embedded in a plastic box mounted next to the inverter.

The development of this controlunit is based on our many years of experience in the design of installations and it usually covers the need for more than 90% of the installations we sell. The remaining installations where there may be features beyond the ordinary, is covered by controls with integrated PLC systems where functions and features can be programmed.

