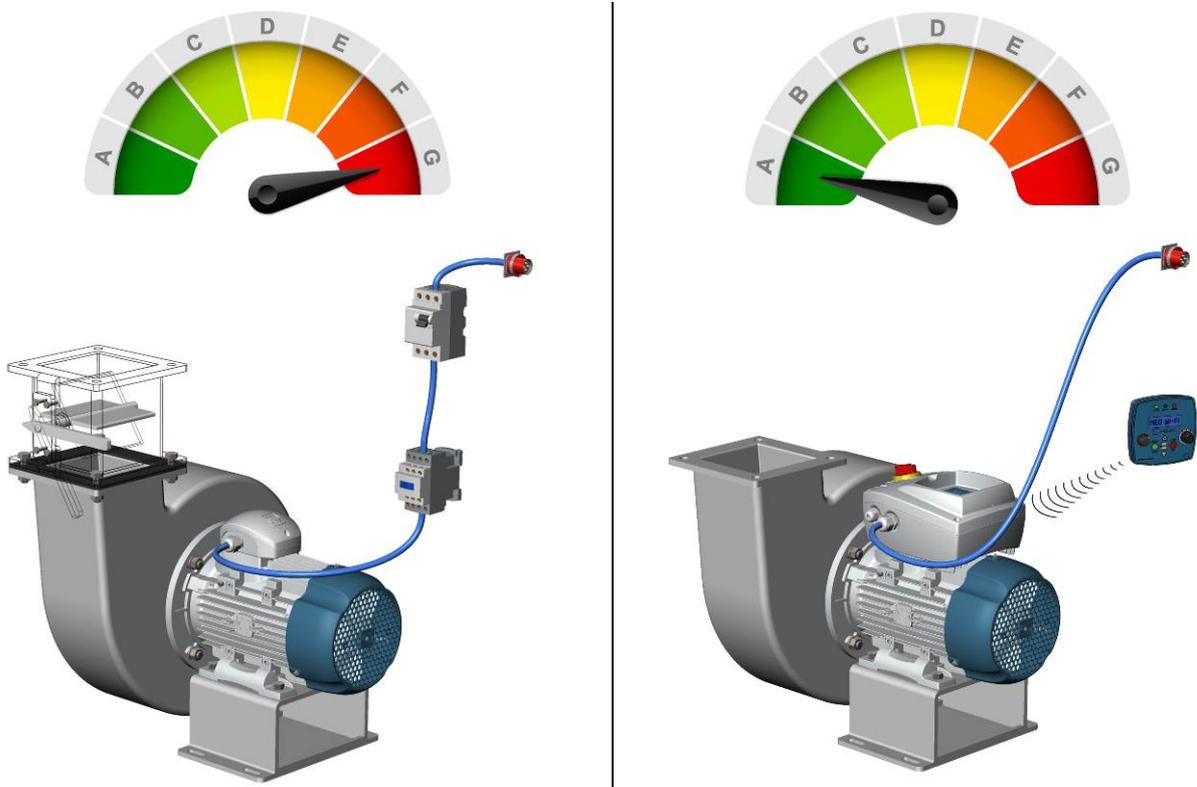


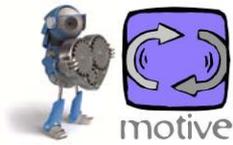
NEO-WiFi. The future of industrial ventilation



The power of an extraction fan or a ventilator can be varied either changing the rpm or restricting the intake (e.g. shutters, motorized or otherwise, or valves). If we have a choke device, it means we have chosen not to use a variable speed drive (inverter). In this case, the disadvantages are numerous: inability to program ramping up or stopping, nor to synchronize multiple devices; fewer opportunities for interaction with other machines and controls (such as a pressure transducer), less access to controls, more noise, greater peak currents and above all the absence of energy savings. It is like controlling the speed of a car just by using the brake. An inverter also simplifies the installation because a system with direct or star-delta type starting often involves the use of suitably oversized power contactors to counter the high electric arcing caused by the overcurrent normally associated with these starting systems. In addition, protection systems for the motor via circuit breakers should always be provided. So: shutter + cabinet + knife switch + motor control relay + motor overload protection automatic switch are saved. The choice of an Inverter simplifies considerably the installation of a system for starting and control of a ventilator, combining in a single device all the components indicated above.

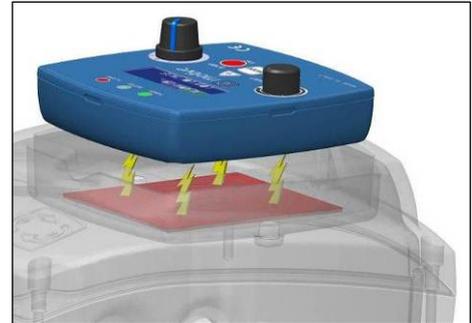


So why not just use inverters? Essentially for reasons such as the size, the degree of protection from dust and liquids, ease of use, the difficulty of connecting the variable speed drive with the ventilator/extractor fan (need of cabinet, long cables, EMC problems, etc).



With NEO-WiFi these reasons are no longer valid. There remain only the advantages of the inverter. In fact:

- NEO-WiFi is a motor-inverter motor and as such cancels the need for cables and cabinets, the study, the installation, the wiring, and the testing of the motor + inverter system, as well as the risks associated with possible errors.
- Not requiring cables and cabinets, and being an integral part of the motor, it does not take up space
- Programming is easier than using the TV remote control
- The keypad of the NEO-WiFi is removable, can operate remotely over wireless and can be placed up to 20 meters away. No wiring, no cables. It does not need wiring because it is supplied by induction when placed in its housing on the motor or in the "BLOCK" device, or fed by rechargeable lithium batteries. Imagine the advantage of being able to control a ceiling fan from where you want without installation costs.



- Even a child knows how to use a device with a red button, a green one, a left-zero-right switch and a control knob
- NEO-WiFi is IP65. Its keypad is IP67



The manufacturers of ventilators and extraction fans can now offer a "plug-in" product, equipped with inverter, no longer delegating to their customers a risky and costly installation. Their customers will not have to do anything but insert the plug wherever the device is installed, and decide if they want to carry the control with them.

