

NEO-WiFi. The future of hydraulics



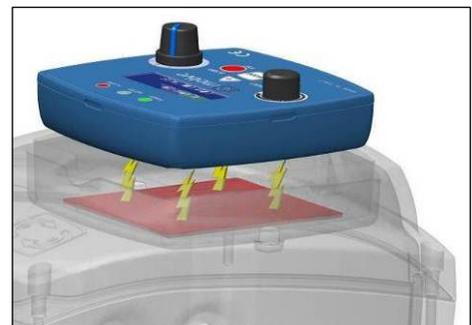
Adjusting the flow/pressure/force of a pump, a hydraulic power unit, an oil-hydraulic actuator or a compressor is normally done through valves. Compared to an variable speed drive (inverter), the disadvantages of the valve are numerous: lack of gradual starting, inability to synchronize multiple devices, fewer opportunities for interaction with other machines and controls, less access to controls (a valve can hardly be positioned at a distance from the appliance and close to the user) and above all the absence of energy

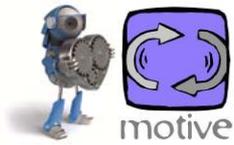
savings whether at start-up or during operation at reduced capacity. It is like controlling the speed of a car just by using the brake. Don't forget that in certain applications, the cost of the valve (think for example of the proportional valve of a hydraulic power unit) exceeds that of an inverter, This without adding the further saving in a cabinet with the knife switch, the motor control relay and the motor overload protection automatic switch.

So why not just use inverters? Essentially for the ease of assembly (assumed) with respect to an electronic device to be wired up and programmed, the reduced size, the degree of protection from dust and liquids and the ease of use. Sometimes also the cost of the inverter can be considerable, especially when it is added to that of a cabinet and cables.

With NEO-WiFi these reasons are no longer valid.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 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





- 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

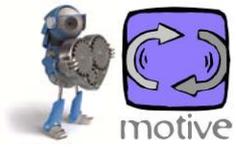


- NEO-WiFi is IP65. Its keypad is IP67



Manufacturers of hydraulic machines can now offer a "plug-in" product, equipped with inverter, and no longer delegate 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.





Examples:

