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WOMA[®] NEWS

ENERGY-EFFICIENT PUMP SYSTEMS

Energy Efficiency pays back

Energy efficiency is increasingly becoming a major requirement of modern plants and machinery. The fact that WOMA has committed itself to this vision early on is evident in our pump design.

We have thus:

- Optimised hydraulic efficiency by minimising dead space volume in the pump head.
- To avoid power losses resulting from bypass water we ensure that the pressure/displacement volume is tailored in a flexible manner to the cleaning requirements.
- Continually made use of latest sealing system designs to enhance the overall efficiency of the ultra-high pressure systems.
- Used pressure/speed control systems at an early stage in order to match the overall power consumption to the particular cleaning requirement.

We will continue to develop new ways to optimize our systems through – flexible control systems and adaptive speed control systems. In this process, we will incorporate the latest available technologies in design and construction methodology.

Our Case Study:

We have delivered a pressure/speed control mechanism in the PLC of a mobile pumping system driven by a diesel motor for one of our customers. This innovation, automatically detects a variety of operating conditions such as total number and type of users, desired operating pressure, active number of users, the number of passive users or hose lengths.

The Benefits:

- The flow and pressure parameters required to accomplish the task are matched to engine speed optimizing fuel consumption.
- The engine speed and fuel consumption continually adjust to the operating conditions (such as shutting down specific users).
- The operating parameters “learned” in this manner are maintained throughout the cleaning cycle.

The Result: The fuel savings achieved are 10–25% when compared with conventional systems.

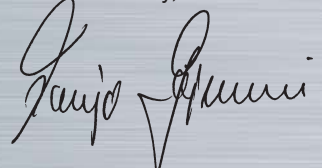
Dear Customer and Partner,

It is our pleasure to introduce our new newsletter, **WOMANEWS**.

Beginning today we will use WOMANEWS, to regularly update you on the latest products and developments here at WOMA. This issue contains useful information regarding our latest innovations aimed at increasing the overall energy efficiency of our plunger pumps. In line with the slogan “Energy efficiency pays back”, they are not only environmentally-friendly but also help to make the operational processes of our clients noticeably more cost-effective.

We wish you all success at the Trade Fair.

Yours sincerely,



Franjo Gojevic

