



Injection molding energy-saving & easy



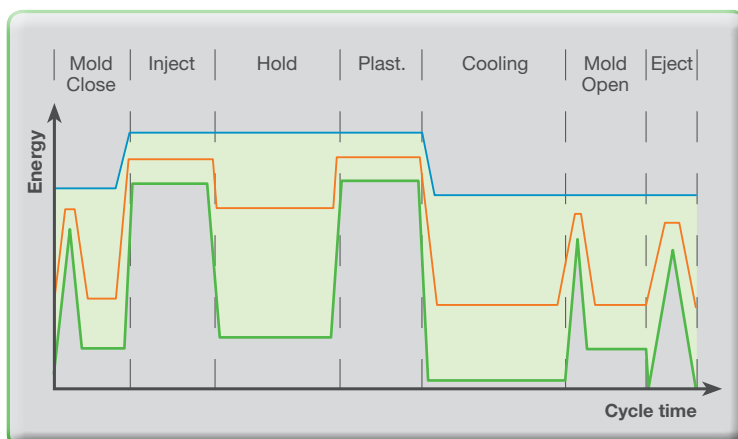
KePlast SpeedPump

The integrated servo pump for
energy-efficient injection molding

Highly dynamic changes of energy flow to the individual hydraulic loads are typical for injection molding machines during production cycle. Conventional hydraulic concepts with standard engines and standard constant pumps can provide only a constant energy level throughout the whole machine cycle. That does not comply with the requirements of modern machines regarding energy efficiency.

KePlast SpeedPump is the answer for that. It provides hydraulic energy only when it is actually needed. That is why energy consumption is reduced to zero during idle time periods, such as cooling time. The energy reduction achieved with KePlast SpeedPump is equivalent to that of a fully electric machine.

Even in cycle time reduction and process management highly dynamic KePlast SpeedPump delivers better values than other energy-saving concepts like variable displacement pumps.



- KePlast SpeedPump
- Variable displacement pump
- Standard constant pump
- Energy saving

KEBA®

Automation by innovation.

KePlast SpeedPump – The energy-efficient servo pump from the experts injection molding controls

Since more than 25 years many market leaders of plastics machinery worldwide rely on the competence of KEBA and the quality of the highly optimized KePlast controls for injection molding machines. The KePlast SpeedPump integrates itself seamlessly into the product portfolio of KEBA and is perfectly matched to the proven KePlast controls.

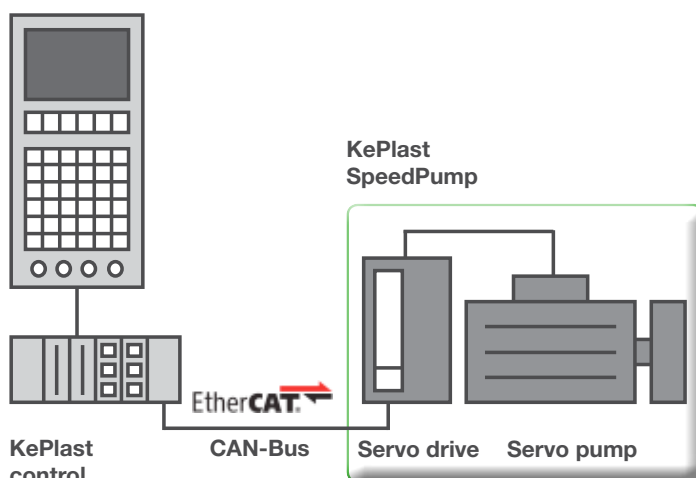
Easy start-up and parametrization



Easy start-up and service thanks to fieldbus communication

The consistent use of the fieldbuses CANopen and EtherCAT enables user-friendly and time saving startup of the KePlast SpeedPump drives. All settings and optimization work can be done directly on KePlast control system via the convenient machine HMI without using additional tools. Data records of all KePlast SpeedPump systems are permanently stored in the control. The hydraulic drive always gets ideal parameters thanks to automatic detection.

KePlast operator panel



Integrated monitoring of temperature and energy consumption



Increased productivity and improved efficiency using integrated monitoring for temperature and energy consumption

Engine temperature of the servo pump is monitored and recorded by KePlast control. Cycle times can be shortened optimally and the performance potential of the injection molding machine can be maxed out. Thanks to integrated performance measurement the current energy consumption levels are continuously transmitted to the KePlast control for further analysis.

These monitoring functions are also integrated into KePlast EasyNet control center software which allows convenient analyzing and optimizing of the energy consumption of an entire machinery.

KePlast SpeedPump – specifications

Name	Flow [l/min]	Motor power [kw]	Pressure [bar]
KePlast SpeedPump 65-12	65	12	210 ²
KePlast SpeedPump 80-17	80	17	250 ¹
KePlast SpeedPump 100-22	100	22	250 ¹
KePlast SpeedPump 125-26	125	26	250 ¹
KePlast SpeedPump 150-32	150	32	250 ¹
KePlast SpeedPump 200-42	200	42	230 ¹

¹ Split pump circuit S1 duty

² Full flow S6 duty (40%)



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