

BLUE Coolant

Sustainability | Energy Efficiency



Series

MC

MCi

MCH

MCH-C

H

F

C

Control

SIEMENS Powerline

SIEMENS Solutionline

Via intelligent control of the high-pressure coolant pump, BLUE Coolant allows you to save energy in a sustainable manner for a significant reduction in operating costs – without any compromise.

Characteristics

- _ Control of high pressure pump with frequency converter
- _ Direct adjustment of the high pressure coolant pump's volume flow and hence the energy consumption to the machining task concerned
- _ Motor and pump are retained

Benefits

- _ Up to approx. 70% energy savings depending on the machining process, compared to a system without frequency control
- _ Process-adapted speed results in lower noise level
- _ Longer service life of the high-pressure coolant pump
- _ Reduction of long-term maintenance costs
- _ Potential additional savings with use of coolant cooling

Requirements

- _ Coolant unit [manufacturer KNOLL]