



Pump Users
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Hydraulic System Approach saves 70% of Pump Power

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Summary

The innovative system solution presented opens up completely new savings opportunities in pump operation.

This cannot be achieved using conventional control technology.

By making skillful use of the thermodynamic characteristics of heat exchangers in combination with flow-variable hydraulics, the mixing ratios of the partial volume flows are redefined.

Taking into account the hydraulic relationships between volume rate of flow and discharge head, the operation of the recirculation pump and the control valve is coordinated in order to precisely specify the discharge head in line with the load.

As well as improving operating conditions, this reduces pump energy costs by 70% on average, regardless of pump technology.

The system can be used for heating-, ventilation and air conditioning applications in building services.