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# APPLICATIONS



- **HYDRAULICS**

Monitoring of cylinders, Valves, Motors

- VKM, VKG, VKA, OVZ

- **Frequency Transformers**

Transforming process ocures heat on the Coils - which has to be cooled down ---> Cooling circuits

- SMV, SMA, DSS, DVO, SWK, DF

- **Heat Transformers**

Flow measurement to evaluate the heat amount. Measurement and Switching

- SMV, SMA, DVO, DF, PSR



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# APPLICATIONS



- **Welding Machines**  
Cooling of the welding electrodes
  - **Welding Robots**  
Specially for the automation industrie, mostly calorimetric sensors are beeing used
  - **Breweries**  
Vessels needs to be monitored with Bypass-Level-Indicators. For CIP circuitries flow monitors where used
- DSV, KAL-K, DF, SMA, DCM, DVO
  - KAL-KS, DF, SWK, SMA, DKF
  - NBK, KAL-KH, KAL-EH, KSM, KSK, Food instr.



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# APPLICATIONS



- **Glas Manufacturing**

Cooling circuits for ovens and machineries

- **Mining**

Lubrication circuits on hydraulic systems, water circulation for the air conditioning system

- **Rubber Industrie**

Cooling circuits for rubber ovens and production machineries and work-up process

- SMV. SMA, KAL-K, KAL-L

- VKM, KAL-K, KAL-A, PME


- SMV, SMA, VKM, KAL-K, RCD



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# APPLICATIONS



- **Compressors**  
Screw cooling for screw compressors.  
Oil sump monitoring
  - **Refrigerating Machines**  
Cooling circuitry monitoring, simple flow switches are being used
  - **Laquer Machineries**  
Automated systems does not use air anymore. Only for hand pistols air is used
  - NWS, OPT, SWK, SMA, DVM
  - PSR, DVM, DVO, SMV, SMA
  - DSS, DVM, SMA, PMG, SCH-...
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# APPLICATIONS



- **Paper Machines**

Old systems are running on low velocity. New machines or reworked ones must be lubricated with oil

- **Pump Manufacturer**

Dry run monitoring

- **Part Cleaning Machines**

Cleaning fluid for oily and greasy parts has to be monitored. If process under vacuum air flow has to be monitored

- VKM, VKG, VGK, VKA

- KAL-K

- SMV, SMA, DSS, DVM, KAL-K, KSK, KSM



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# APPLICATIONS



- **Railways / Trains**

Flowmonitoring inside the air conditioning systems

- KAL-K, KAL-L, SMV

- **Lubrication Circuits**

Paper Machines, Power Turbines (SIEMENS, VOITH)

- VKM, VKA, VKG, VGK, PSR

- **Packing Machines**

Packing machines for food menus. A folie is used to separate from the environment, the folie has to be heated and the heating process has to be monitored

- DSS, SMA, DVM, KAL-K



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# APPLICATIONS



- **Car Washing Machines**

Washing water controlling / monitoring on the orifices to ensure that the car paint is scratched. Water treatment plants for the machinery has to be equipped with level monitoring device

- DSS, SMA, KAL-K, NES, SWK, SVM



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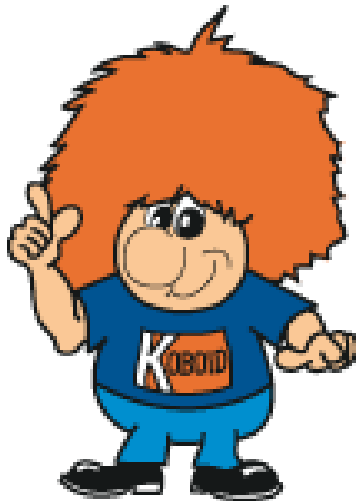
# APPLICATIONS



- **GENERAL RULE**

**HEATING PROCESS**

**NEEDS**



**FLOW MONITORING**

