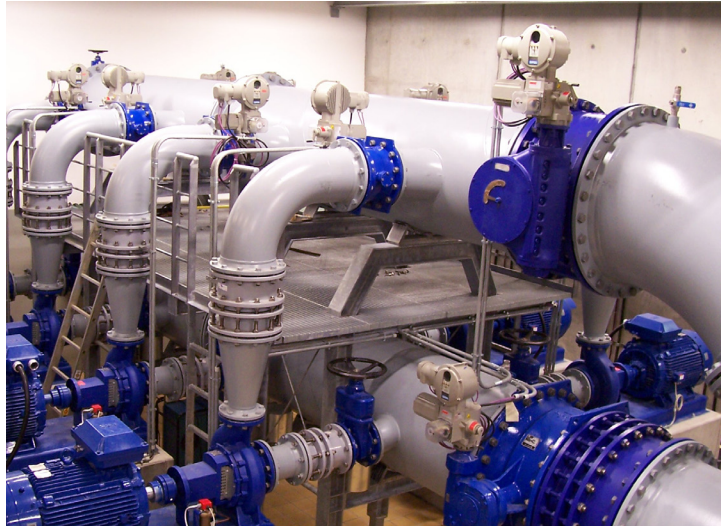




Emergency operation with UPS avoids water hammer

Photograph shows SIPOS 5 actuators installed with an Uninterruptible Power Supply (UPS) in a pump control / emergency shut-off application.



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Design Challenge

Single Phase Solution

Three phase Uninterruptible Power Supply (UPS) systems are costly to purchase. Therefore, there is strong demand to supply actuator products which utilise single phase power supplies, address water hammer and have low nominal / maximum power consumption.

Solution

SIPOS 5 actuators with UPS power supply

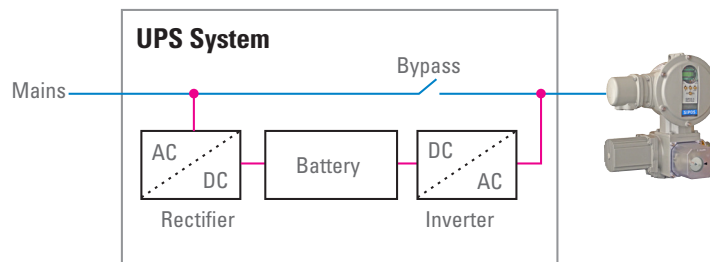
SIPOS Aktorik can provide single phase actuators (with three phase asynchronous motors) for standard and modulating duty.

Low power consumption and proven reliability in the SIPOS 5 actuator, combined with a single phase power supply, allows low cost UPS systems to be used in 230 V single phase systems: this ensures emergency operation in the event of a pipe break.

Additionally, mains water systems are controlled without potentially damaging pressure surges (water hammer).

Technical Data

UPS system



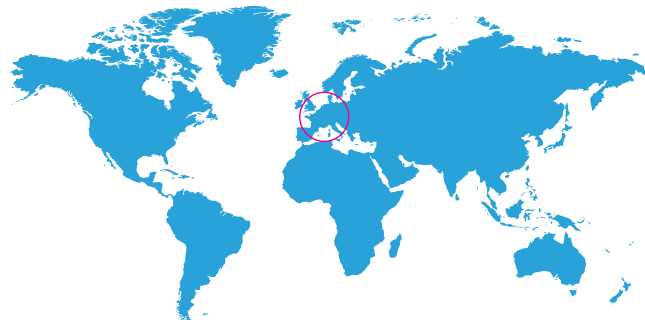
Reference sites

Landeswasserversorgung, Stuttgart (state water supplier)

- Behälter Egart
- Behälter Probst
- Behälter Wildpark
- Druckregler Neidlingen
- Druckregler Randeck
- Kupplung Assang
- Kupplung Bettringen
- Kupplung Rodelwiesen
- Kupplung Strassdorfer
- Kupplung Wangen
- Stromgewinnung Breech
- Stromgewinnung Fellbach
- Stromgewinnung Geislingen
- Stromgewinnung Oberlenningen Straße
- Stromgewinnung Schönbühl
- WZ Waldstetten
- Wasserwerk Blaubeuren
- Wasserwerk Mulhässen

Locations

Various across Europe
See reference sites box



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