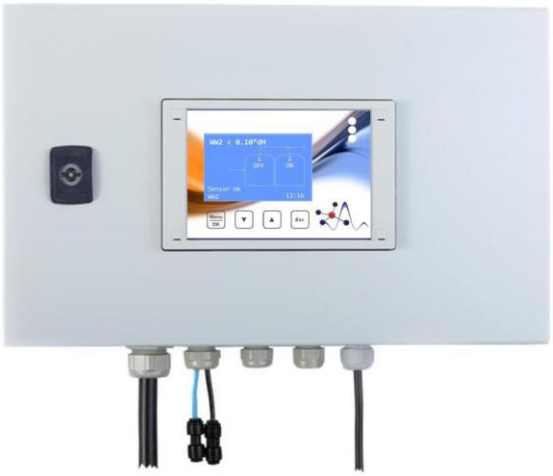
OFS Online Fluid Sensoric GmbH

Gesellschaft für analytische und meßtechnische Systeme

SaveCost C

Cost-effectively operation of softener with CLACK® control heads

Direct control for more reliability at lower costs



SAFE & LESS COSTS
SaveCost C is the "guardian" for a water softener with CLACK® control heads. This leads to more operational safety and at the same time the softener generates up to 160% soft water with less flushing water and salt. This also reduces operating costs by up to 60%. The continuous maintenance of water softening systems can be reduced to a necessary level.

INFORMATIVE
The regeneration is automatically triggered on the CLACK® control head when the configured limit value is exceeded. The quality and throughput of soft water per column is constantly analyzed. The status is shown in the display. All operating data such as flow rate, number of regenerations and other data are electronically recorded chronologically and stored in the device. The savings achieved are shown for each softener column. Optionally, the monitoring can be extended to the brine / salt storage tank.

COMPATIBLE
SaveCost C can be installed on any water softener with sodium chloride regeneration and CLACK® control heads (type TWIN; WS 1.0; WS 1.5; WS 2.0 or WS 3.0).
Subsequent installation in an existing system can also be carried out without any problems.

FUTURE-PROOF
At higher process levels, data communication takes optionally place via LAN data interface.
The operating data is saved in the readable USB stick. The device status and hardness rating can be read on site at a glance. As an option, the brine / salt storage system can also be monitored and a wireless alarm can be triggered by e-mail if a WLAN network is available.

PROTECTION
The cyclical self-monitoring of the device, the measuring functions as well as the water quality and throughput contribute significantly to the safe process flow. Password-protected parameterization levels prevent impermissible changes to the setting parameters.

UNCOMPLICATED
Installation, commissioning and operation of SaveCost C are uncomplicated.
Current process stages as well as static operating data can be called up easily and clearly.

ECOLOGICAL
SaveCost C works ecologically and cost-effectively, as no reagents or indicators are required. All measurements are carried out by an ion-selective sensor for calcium and magnesium ions.

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TÜV PROFI CERT ISO 9001 73 100 1248

TECHNICAL DATA

wall mounted	400 x 250 x 160 mm (W x H x D) (in the immediate vicinity of the softener)
weight	about 8 kg
protection class of housing	IP 54
surrounding temperature / relative humidity	5 °C to 50 °C; 20 % to 80 %
power supply	power supply unit 100 … 240 Volt / 50 … 60 Hz (isolated ground receptacle directly next to the softener)
supply voltage	24 V DC, about 20 Watt
raw and soft water connection	lockable branch ¼“ IT for PA-hose OD 4 mm, ID 2 mm, upstream dirt filter ≤ 0,1 mm
raw and soft water pressure	minimum 1 bar up to maximum 10 bar
drainage	minimum Ø 15 mm, pressure-free (below the device)
quality raw water	according to the valid German drinking water ordinance Free from fats, oils and brine, germ count < 5000 CFU / ml
hardness range raw water	90 ppm to 1070 ppm
hardness range soft water	1 ppm to 18 ppm, parametrizable
sensor control	automatic
signaling	device alarm / external alarm (SALIS)
external signaling	potential-free contacts (collective alarm)
CLACK® communication	control cable (5 m) between CLACK® control heads and SaveCost C
CLACK® supply voltage	15 Volt DC (via control cable SaveCost C)
CLACK® connections	TWIN ; WS 1,0 ; WS 1,5 ; WS 2,0; WS 3.0
soft water throughput (in automatic mode)	quantity control max. 100 % quality control max. 160 %
automatic mode	determination of the sensor quality with automatic switching of the operating modes (if necessary)
process-controlled measuring cycle	water meter at the softener with CLACK® control heads
information output	display, electronic operating log (USB stick): status, remaining capacity, throughput, percentage profit
operation time of sensor	about 6 to 9 months (without warranty)
optional LAN data interface	modbus
optional use of SALIS	wireless or wired alarms brine / salt deficiency and collective alarm CLACK®

CLACK® : registered trademark of Clack Corporation

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