Risycor CBU
Corrosion monitor with alarm function

+

Zerofix
Lockshield valve device

Specification text

Risycor CBU *corrosion monitor with alarm function for heating systems.*
Mounting in the pipe with a flow-through *Zerofix* lockshield valve device, which places the metal coupon at the tip of the probe in the water flow. The oxidation of this coupon is representative of the uniform corrosion within the system. The logger records the corrosion rate against time and warns of inadmissible values or a defect. The memory can be read out with a computer*.

Zerofix *lockshield valve device for bayonet mounting of the corrosion monitor Risycor CBU with connection for expansion vessel and drain valve.*
Mounting in the return; the lockshield valve function with drain valve allows draining of the expansion vessel in order to check the inflation pressure and to correct if required.

* See technical data

Components

Risycor CBU
Logger-probe combination
Art. No. 2001120

Tie wrap

Zerofix 25/25/20
Lockshield valve device

Drain valve

Mains adaptor

Risycor CBU-Zerofix set
Incl. manual
Art. No. 1003010
         1003030 (UK)

Technical data

Outputs, signals, alarm
Visual:
- Various LEDs for display of operating and alarm status

USB:
- Memory readout*

Volt-free contact for:
- Building management system, remote surveillance, other signal transmitter (SMS module, audible alarm, flashing light, …), shutting down of the boiler, …

Alarm in case of:
- Corrosion rate too high (adjustable)
- Fault in the corrosion monitor
- End of the service life of the metal coupon on the probe

Characteristics
Physical:
- Pressure range: 0 to 6 bar
- Temperature range: 5 to 85 °C, integrated temperature compensation
- Environment: 0 to 45 °C, no condensation
- Storage: -5 to 60 °C

* See also related products

- Zerofix lockshield valve device:
    - Housing: nickel plated CW617N (EN12165)
    - Ball: PPSU
    - Sealings: PTFE G400
- Risycor CBU probe: PPS
- Risycor CBU logger cover: PC
- Coupon: Fe
- Connections Zerofix 25/25/20: 2xG1", G3/4" connection for expansion vessel, G3/8" drain valve with hose tail 12,5 mm
- See also dimensions

Electrical:
- Mains adaptor: CEE 7/16, 230 VAC, 50 Hz
  → 5 VDC mini-USB
- Power consumption: 2,5 W
- Volt-free contact:
    - nominal 48 VDC, 100 mA or 48 VAC RMS 80 mA
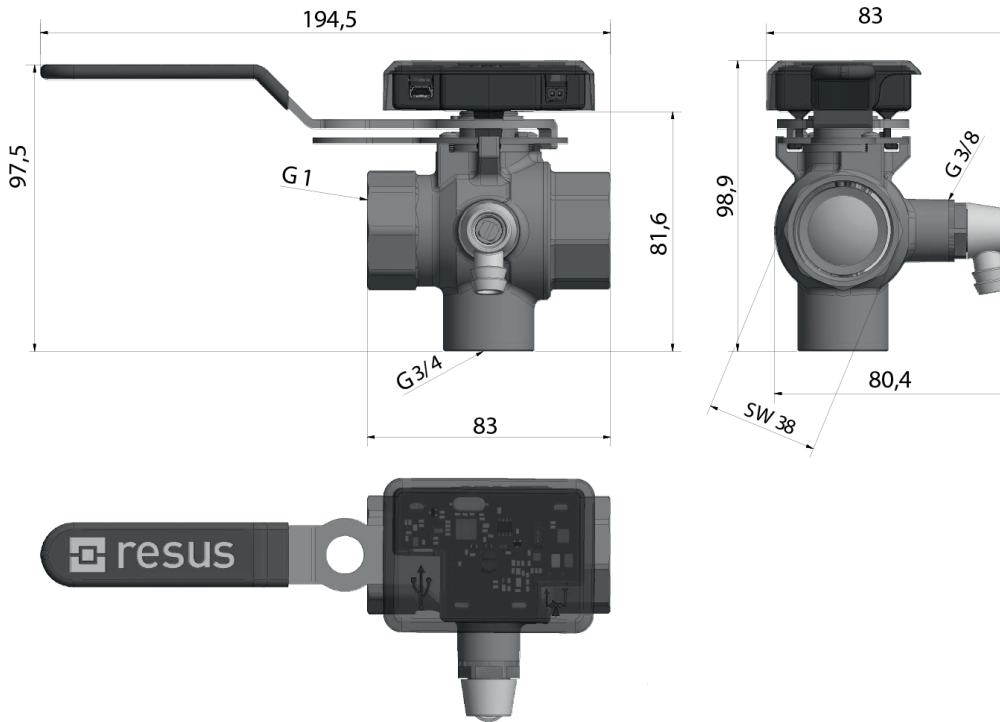   - max. 350 mA @ < 10 ms
- IP52

Others
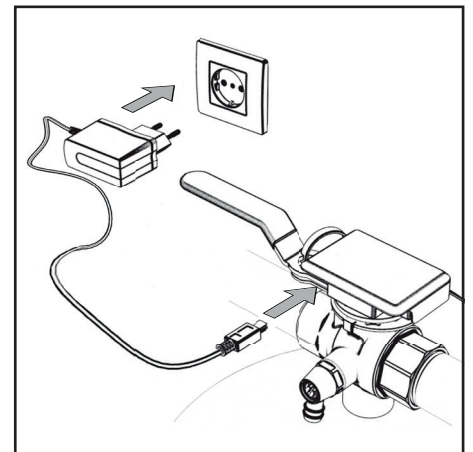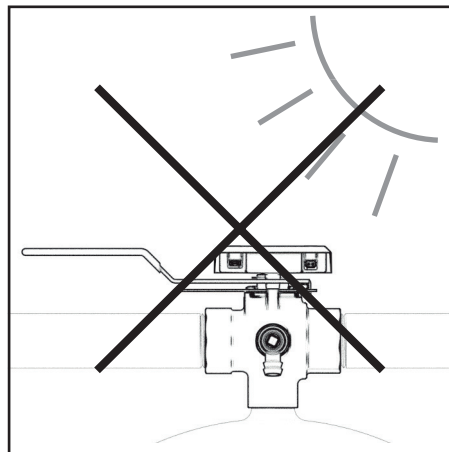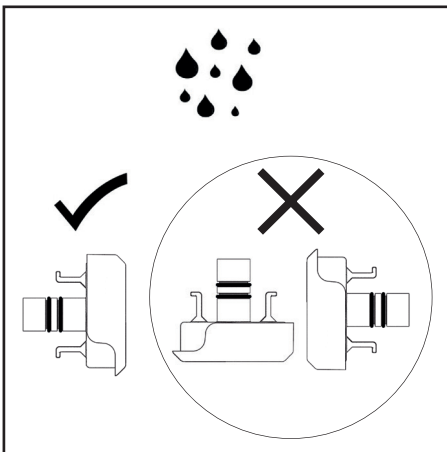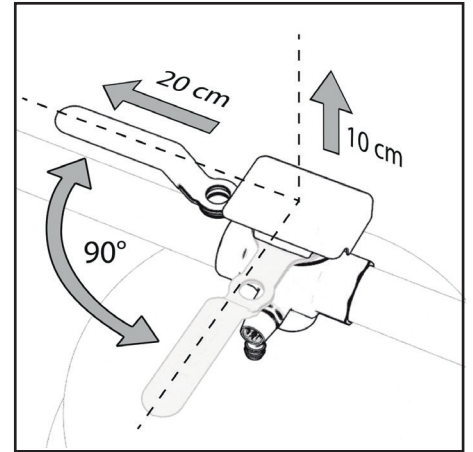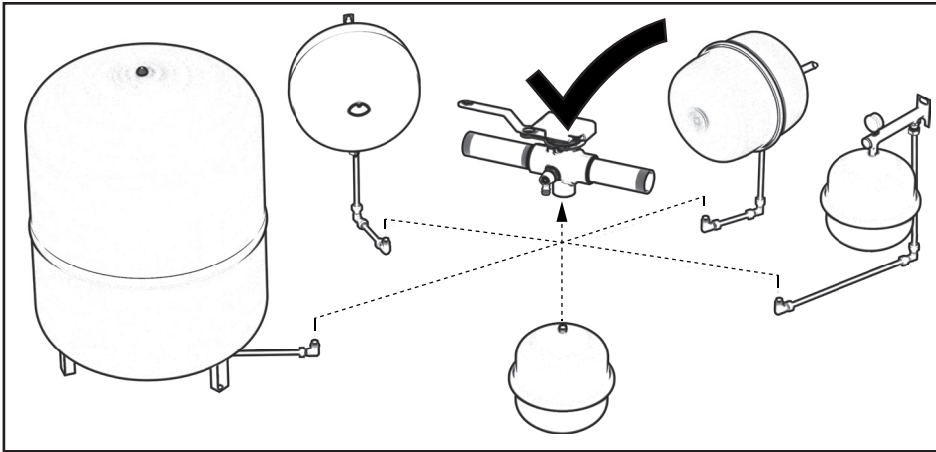- Autonomy of the memory: 10+ years
- Data storage: every 7 hours

⊡ Dimensions

- Risycor CBU logger-probe combination   72 mm * 52 mm * 53 mm
- Zerofix lockshield valve device   DN25 * DN25 * DN20
- Mains adaptor   75 mm * 59 mm * 6 mm (power cord length 1,5 m)
- Carton packaging   256 mm * 192 mm * 90 mm
- Total weight   1145 g

⊡ Assembly tips

─□─ Application

The philosophy behind the application of the Risycor is explained in detail in the document "Application guideline".

─□─ Related products

Resus Dashboard

Free software for reading and analysing the collected data.
Resus PC Dashboard (Windows): *USB directly connected or via saved .CSV files.*

Risycom Art. No. : 3001010

Portable device for the convenient copying of collected data on SD card (.CSV files).

resus

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