se@vis® eco

Burner Management System

SAACKE

The small control unit with the big performance

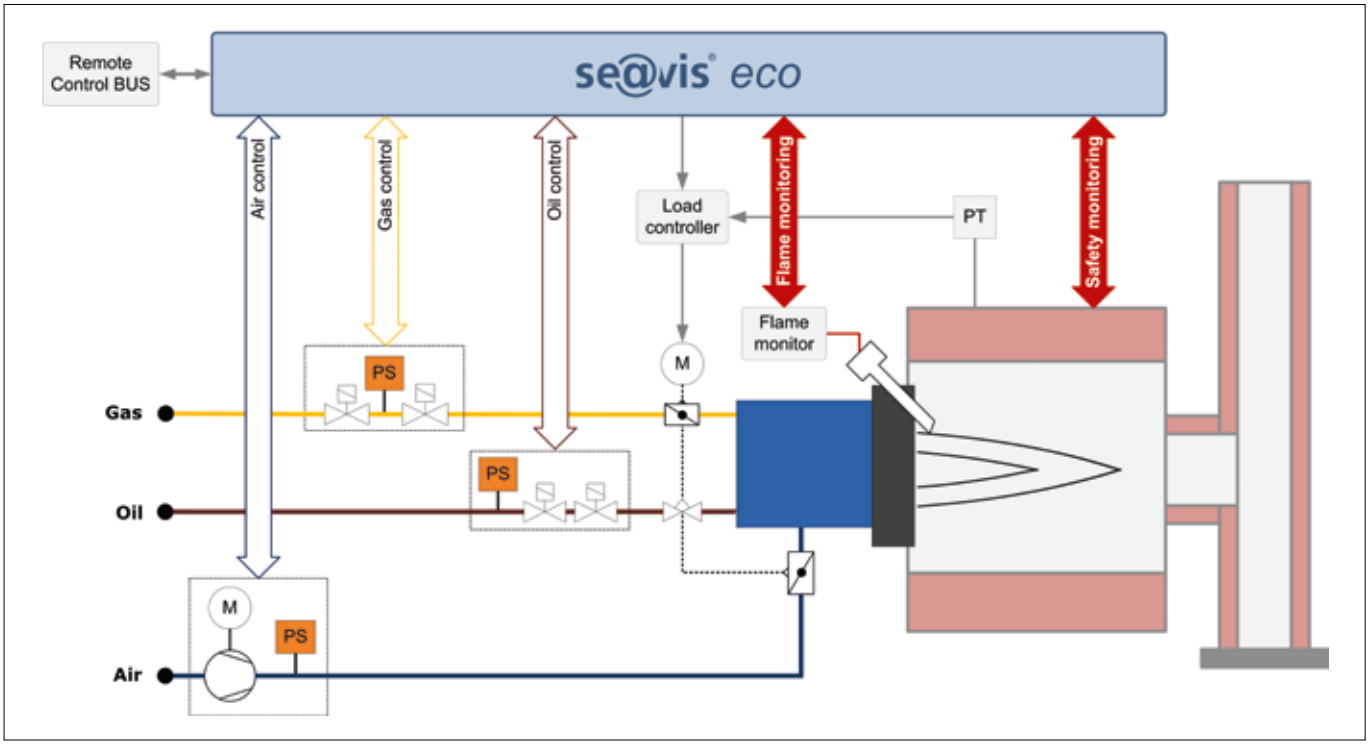
The new SAACKE automatic firing sequence controller **se@vis® *eco*** is small and particularly reasonably priced – but even in the basic configuration it still offers complete flexibility for demanding firing plants and considerable expansion possibilities.
se@vis® *eco* is suitable for every SAACKE burner with mechanical compound regulation and the use of up to two fuels. As it is based on preconfigured components, it is not just operationally reliable, but also ready for use immediately.
The failsafe **se@vis®** FSC basic unit forms the core of the **se@vis® *eco***. It is compact, light, and can be positioned in the firing system in almost any position. This is where all the pieces come together: the FSC analyses the signals from the safety interlock circuit and the flame detection system, controls the purging, initiates the ignition, and monitors the running burner in the controlled operation of the firing.
Communication with other system components is also particularly flexible thanks to Profibus and numerous other protocols, which means that **se@vis® *eco*** can be remote controlled perfectly. The basic device is parameterized ready for connection and installation, and ready for use in a flash. Time-consuming commissioning with tedious parameterizing and programming is a thing of the past.
If necessary, the control unit can also be expanded – with just a few adjustments the **se@vis® *eco*** automatic firing sequence controller can be transformed into a convenient burner management system with electronic compound regulation (**se@vis® *compact***) or a comprehensive burner management system with large touch screen (**se@vis® *pro***).

The **se@vis® *eco*** is uncompromising when it comes to safety: as all **se@vis®** control units, it goes without saying that it complies with the Pressure Equipment Directive and the Gas Appliances Directive, and offers certified safety in SIL 3 according to IEC 61508. In other words, if it is a question of controlling individual burners safely and cost-effectively, this little automatic firing sequence controller also has no problem with larger tasks.

se@vis® eco

- Suitable for all SAACKE burners
- Preconfigured and immediately ready for use
- For individual burners with mechanical compound regulation
- Separate safety interlock circuit for oil, gas, and general safety elements
- Automatic valve proving system for gas shut off valves
- Optional: purge suppression
- Automatic firing sequence controller in accordance with DIN EN 298 and DIN EN 230
- Complies with Pressure Equipment Directive 97/23/EC and Gas Appliances Directive 2009/142/EC
- Certified safety in SIL 3 and IEC 61508
- Certificates / Test regulations:

SAACKE GmbH | Head Office in Bremen: Südweststrasse 13 | 28237 Bremen | Germany | Tel.: +49 421 6495 0 | Fax: +49 421 6495 5224
International contact details: www.saacke.com | e-mail: info@saacke.com
0-0750-0032b-02



Certificates / Test regulations:

- EC Gas Appliances Directive (2009/142/EC)
- EC Pressure Equipment Directive (97/23/EC)
- SIL 3 according to IEC 61508
- DIN EN 230
- DIN EN 298
- DIN EN 1643
- DIN EN 267
- DIN EN 676
- TRD 411
- TRD 412
- DIN EN 12952-8
- DIN EN 12953-7
- DIN EN 746-2
- DIN EN 50156-1

Feature / se@vis eco Variant	AK-00	AK-01	AL-00	BA-00	BA-01	EC-00	EC-01	CA-00	CA-01	FC-00	FC-01
Gas burner	•	•	•			•	•			•	•
Oil burner: Rotary cup atomizer				•	•	•	•				
Oil burner: Pressure atomizer								•	•	•	•
Purge suppression input	•	•		•	•	•	•	•	•	•	•
Separate ignition flame monitoring input	•	•	•	•							
Second flame monitor					•			•	•		
Integrated valve proving system for main gas valves	•	•	•			•	•			•	•
Pressure relief via hand valve		•					•				•
Pressure relief via main gas valve 2	•		•			•				•	
WTE data exchange interface			•	•				•			
Direct ignition for oil firing operation mode								•	•	•	•
Optional Profibus coupling	•	•	•	•	•	•	•	•	•	•	•
Remote control possible via Profibus	•	•	•	•	•	•	•	•	•	•	•

For further information, please visit: **www.saacke.com**

SAACKE GmbH | Head Office in Bremen: Südweststrasse 13 | 28237 Bremen | Germany | Tel.: +49 421 6495 0 | Fax: +49 421 6495 5224
International contact details: www.saacke.com | e-mail: info@saacke.com
0-0750-0032b-02