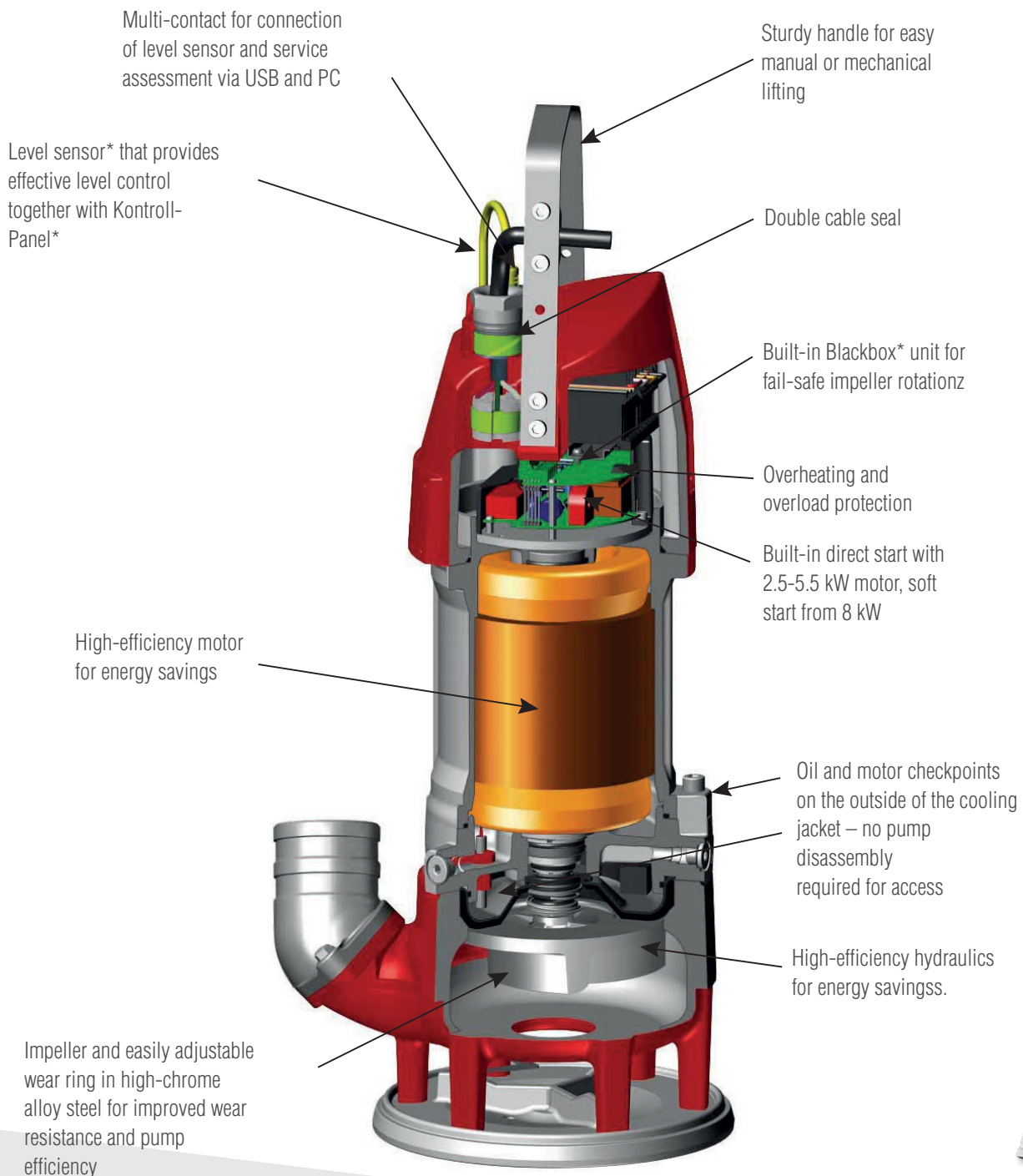


DRAINAGE PUMP

- Control Panel Functions
- Black box control panel options
- Drainage pumps



START SEQUENCE AND NOTIFICATIONS



Kontroll-Panel* control and monitoring module providing automatic stop/start, optional level control and service indication

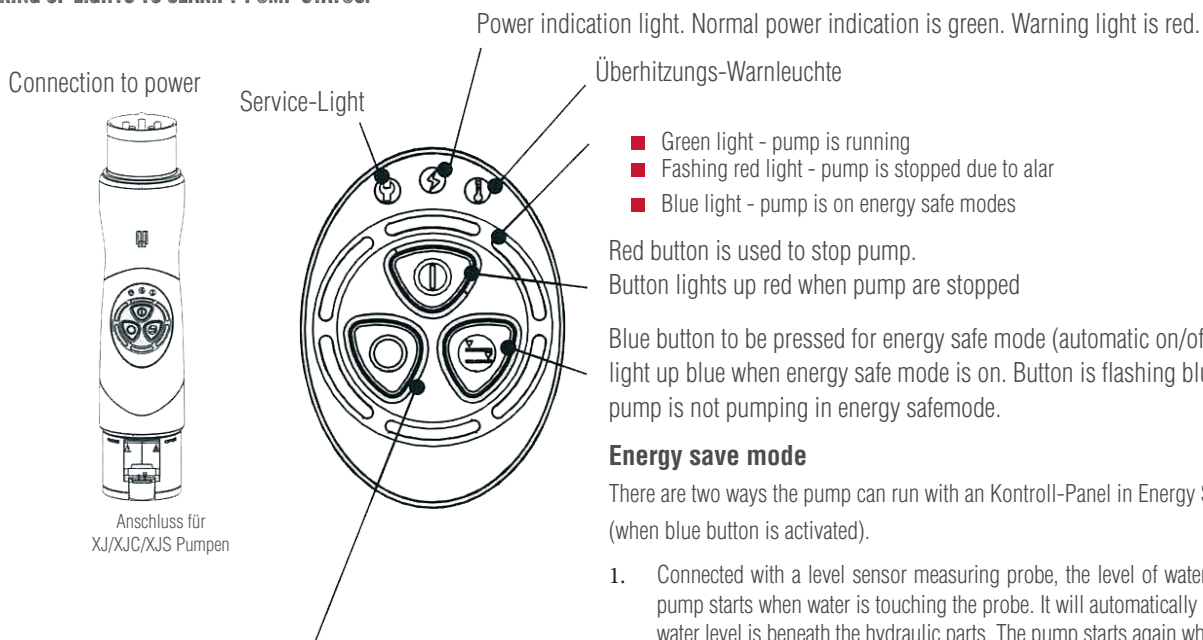
*Optional



KONTROLL-PANEL FUNCTIONS

The Kontroll-Panel module providing automatic stop/start, optional level controll and service indication.

RING OF LIGHTS TO CLARIFY PUMP STATUS:



Green button is used to put pump in continues running mode. This is the standard start mode. Button is light up green when pump is running. When starting flashing green, light indicates plug pairing with pump

Energy save mode

There are two ways the pump can run with an Kontroll-Panel in Energy Save Mode (when blue button is activated).

1. Connected with a level sensor measuring probe, the level of water is detected and the pump starts when water is touching the probe. It will automatically be stopped when the water level is beneath the hydraulic parts. The pump starts again when water touches the sensor.
2. When no sensor is connected to the pump it will start and stop by detecting temperature changes in the motor and when the water level is beneath the hydraulic parts.

ALARM AND WARNING SIGNALS

Alarm signal (pump stops)	Warning signal (pump continues to run)	Limit	Symbol
Overload warning light: Winding high temperature.		140 °C	red
Overload warning light: AquaTronic high temperature.		Softstart 80 °C DOL 110 °C	red
Overload warning light: High amp.		Bei Kurve +20 % bei langer Überbelastung	red
Power warning light: Phase missing (under voltage).		-15 %	red
Power warning light: Phase unbalance		±20 %	red
	Service warning light: Seal leakage	50 kOhm	yellow
	Service warning light: Bad motor insulation	100 kOhm	yellow



CONNECTION TO POWER



Connection of XJS

BLACKBOX CONTROL PANEL FUNCTIONS

1.



before start

2.



Switched on (power on-modus):
Still no contact with the pump
illuminates

3.



Switched on (power on-modus):
pump is running

4.



Switched on (power on-modus):
Pump is running with luminous
service-warning-button(water in
oil and/ or bad insulation)

5.



Level control/energy-save-modus:
Pump is running, non alert messages

6.



Pump is stopped, non alert
messages
flashing blue

7.



Stopp mode: non alert
messages

8.



Pump is stopped: Power failure
(once the failure is rectified the
pump starts)
flashing red

9.



Pump is stopped: High temperature
and/ or high amperage (once the
failure is rectified the pump starts)
flashing red

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and extend across the width of the page. At the bottom of the page, there is a light gray shaded area that tapers slightly towards the right edge. The overall appearance is that of a clean, unused piece of stationery or a template for writing.