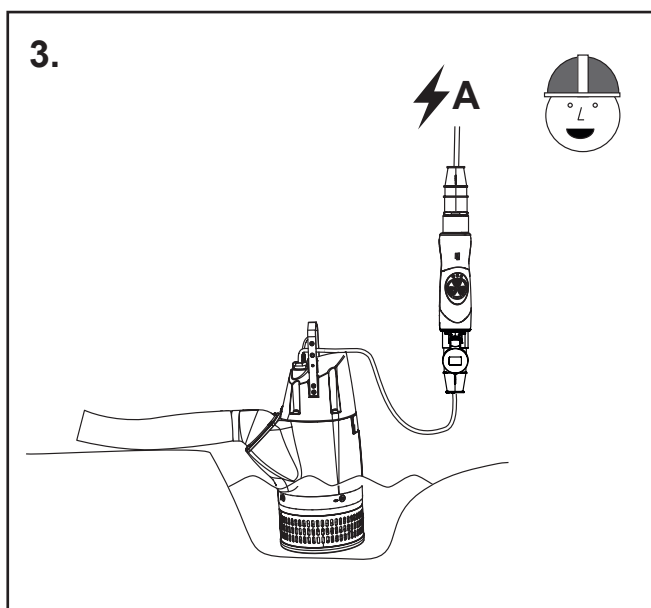
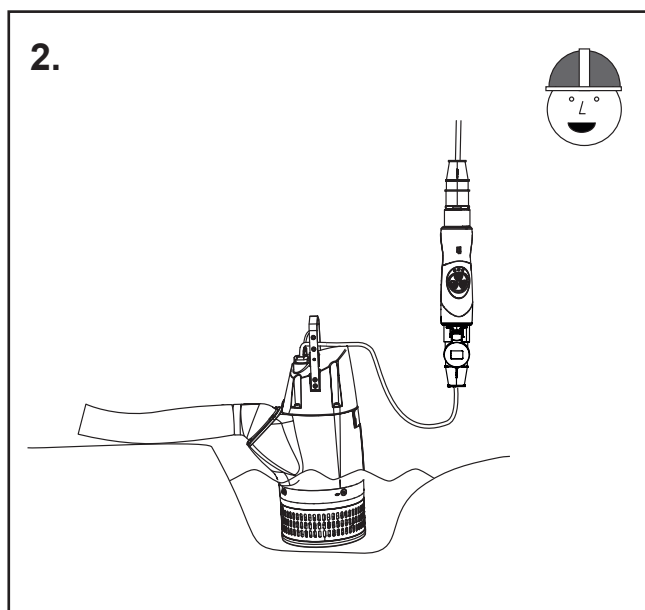
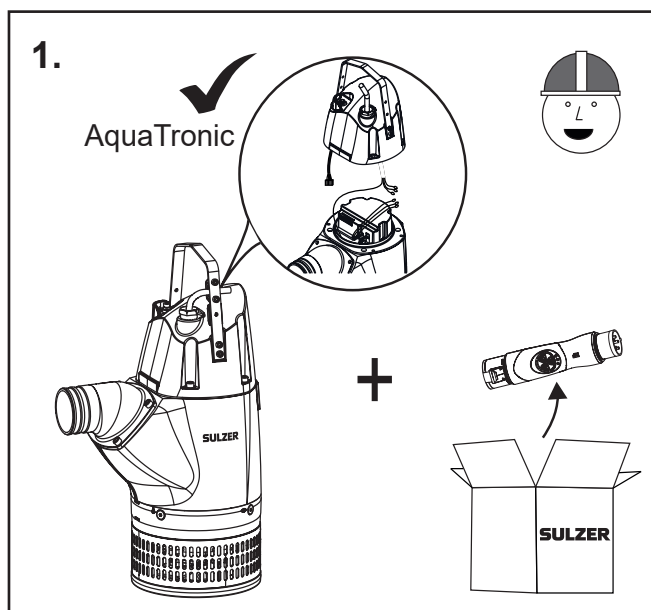

AquaPlug



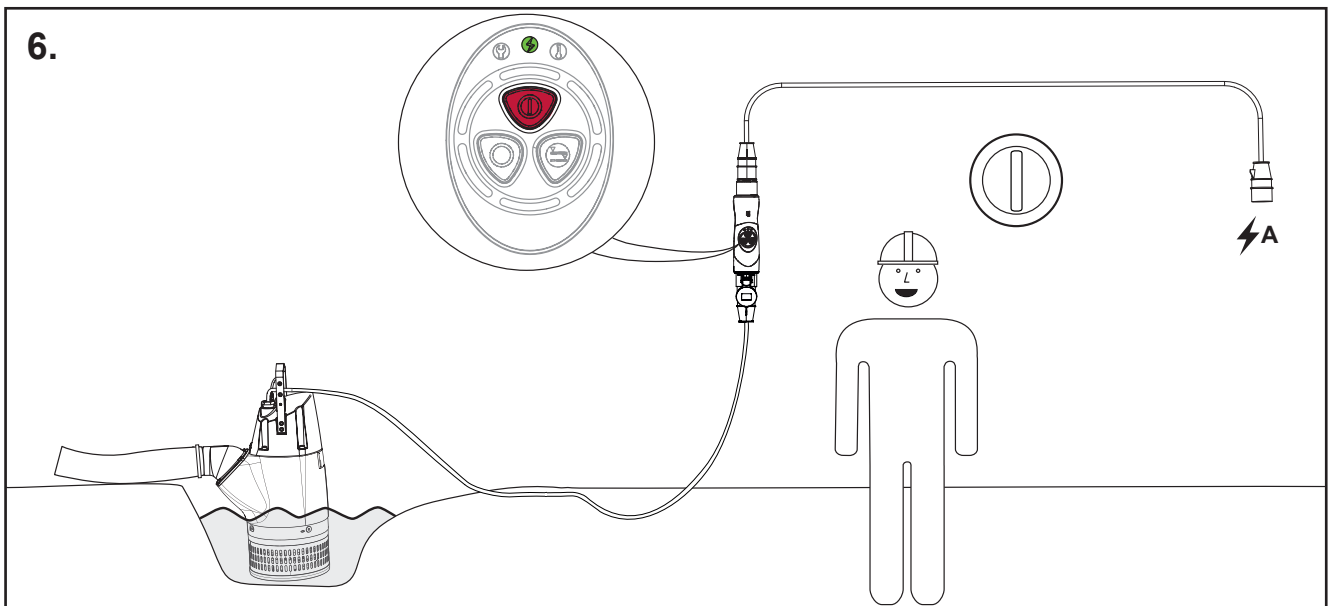
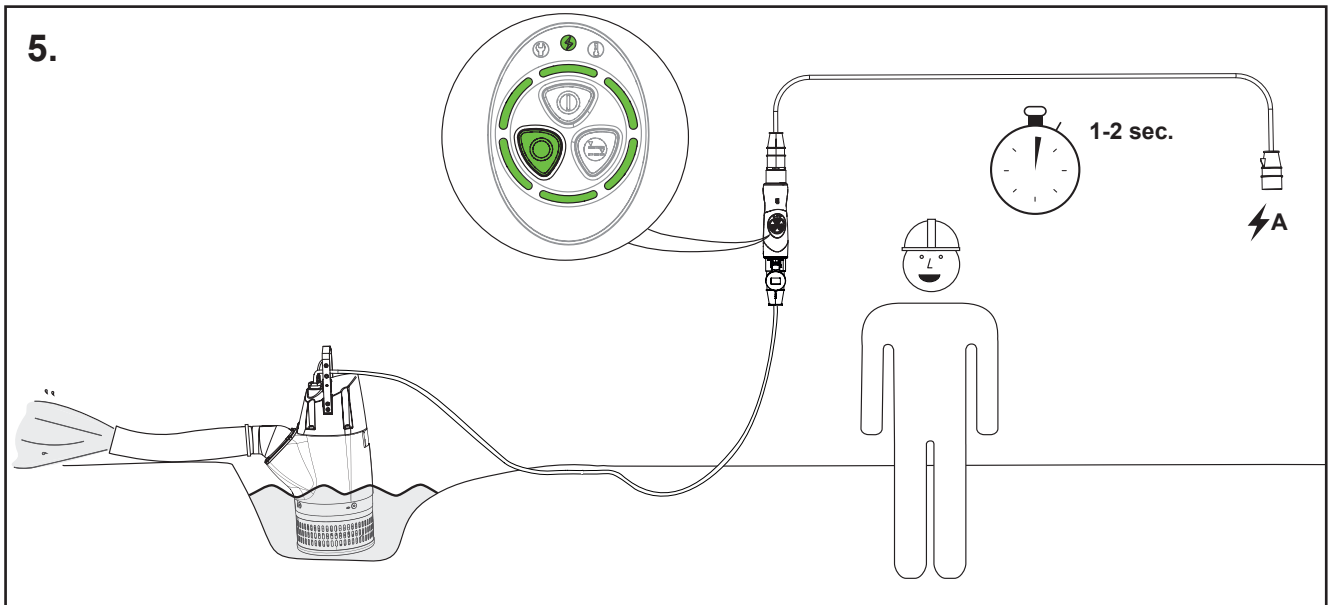
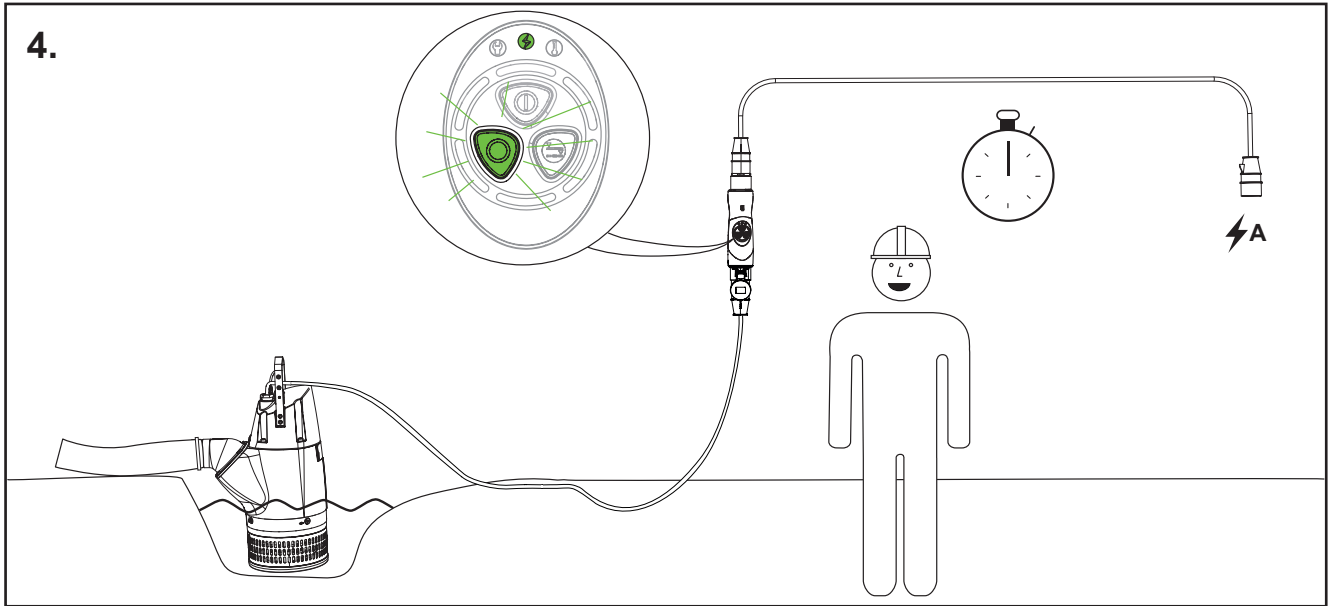
EN	Installation and User guide	SV	Installations- och användarmanual
DE	Installations- und Gebrauchsanweisung	NO	Installasjons- og brukerhåndbok
FR	Manuel d'installation et d'utilisation	DA	Installations- og brugervejledning
NL	Installatie- en gebruikershandleiding	FI	Asennus- ja käyttöohje
ES	Manual de instalación e instrucciones	PL	Podręcznik instalacji i instrukcja obsługi
PT	Instalação e manual de instruções	HU	Telepítési és felhasználói útmutató
IT	Manuale d'installazione e dell'utente	TR	Kurulum ve kullanıcı kılavuzu
EL	Εγχειρίδιο εγκατάστασης και χρήσης		

Type	Voltage,	Frequency,	Amp	Part number
AquaPlug	380-415 V	50/60 Hz	16 A	00863184
AquaPlug	380-415 V	50/60 Hz	32 A	00863288

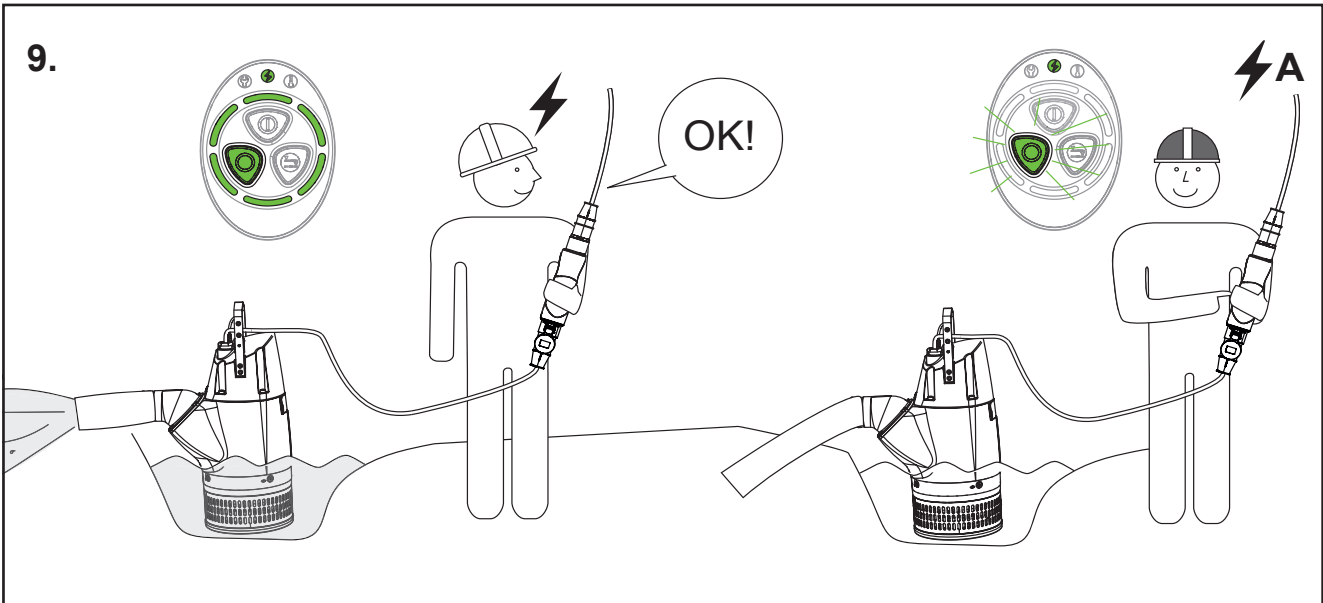
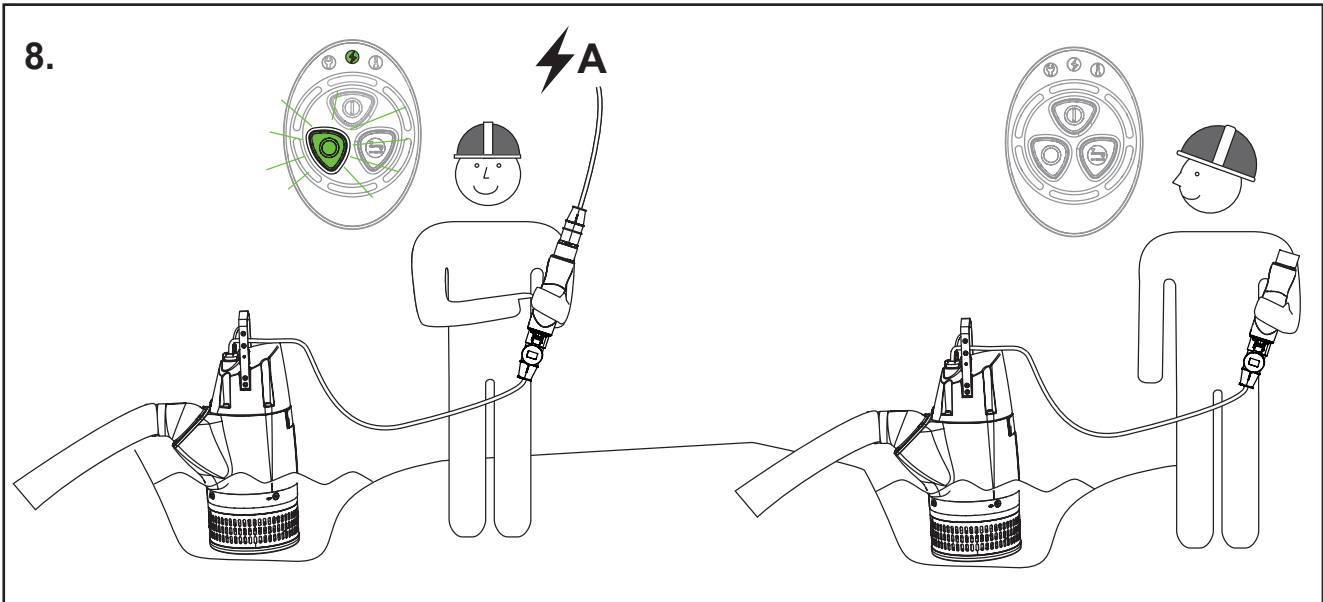
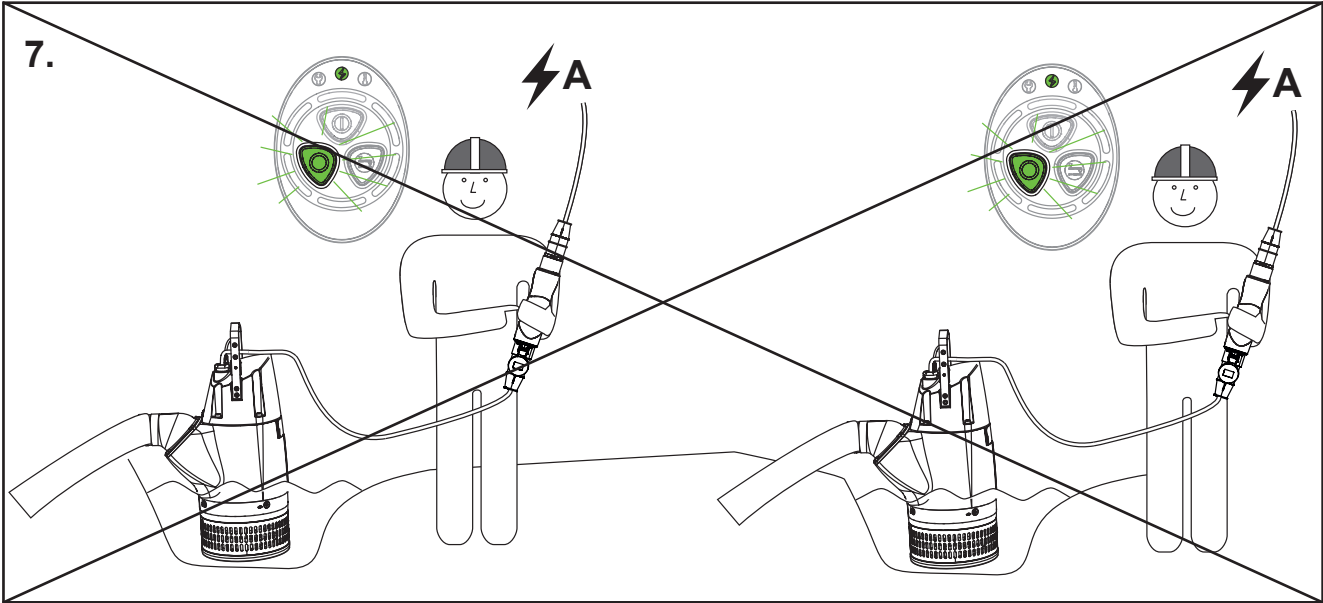
INSTALLATON



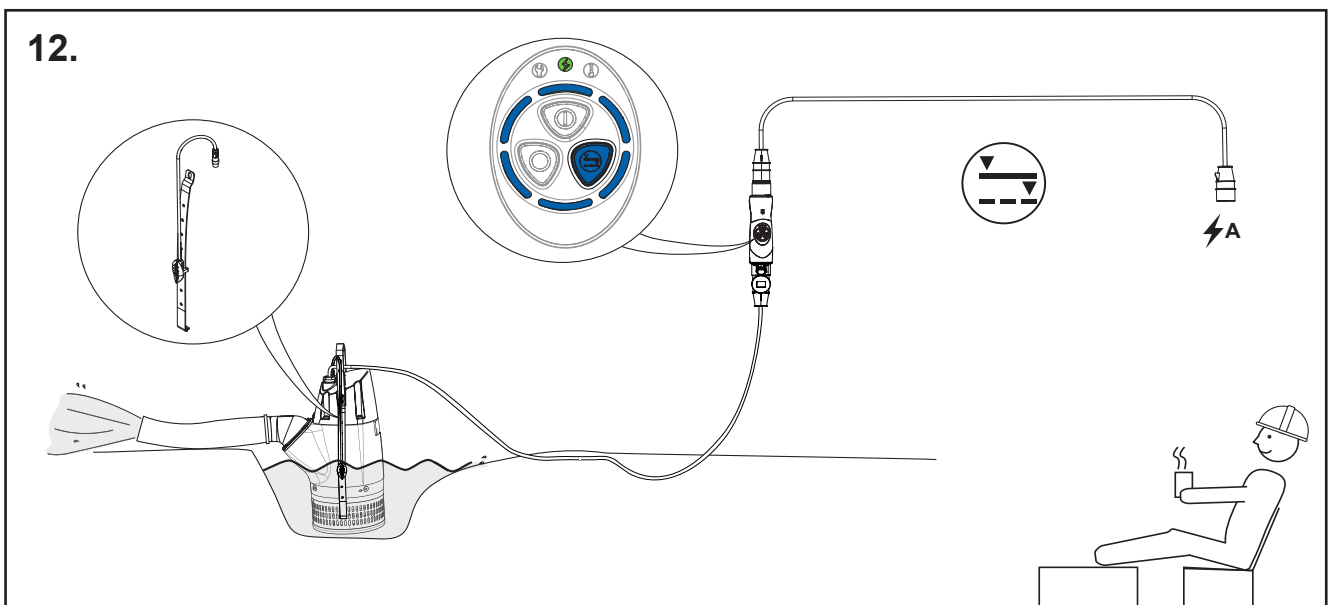
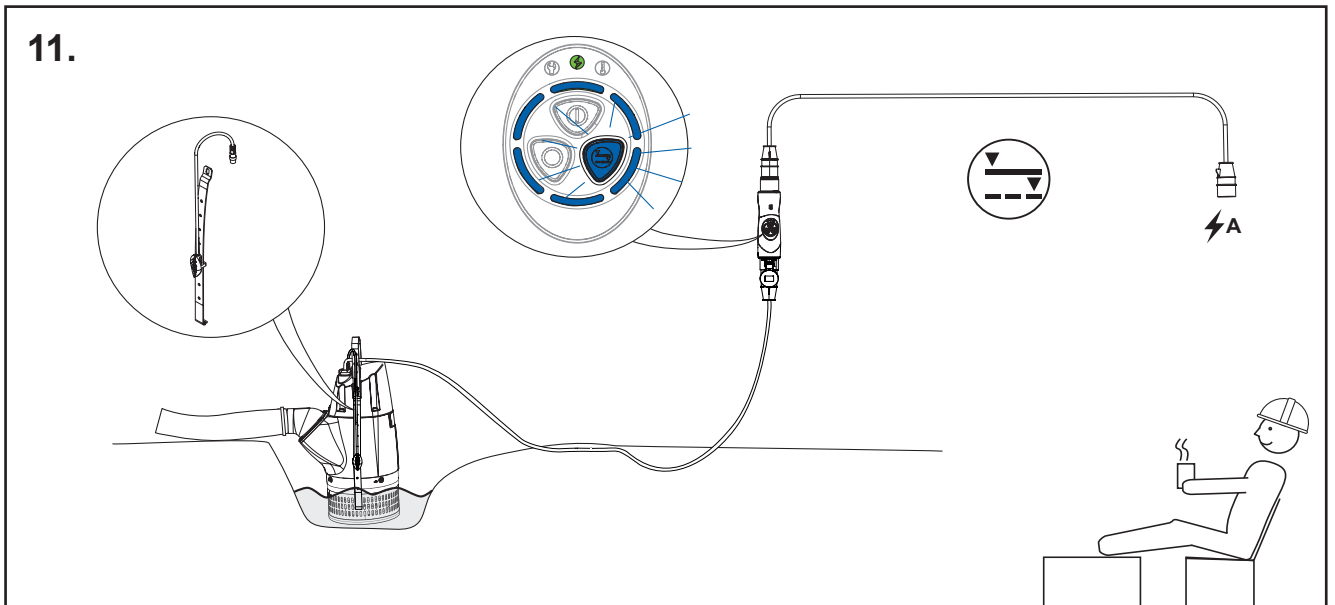
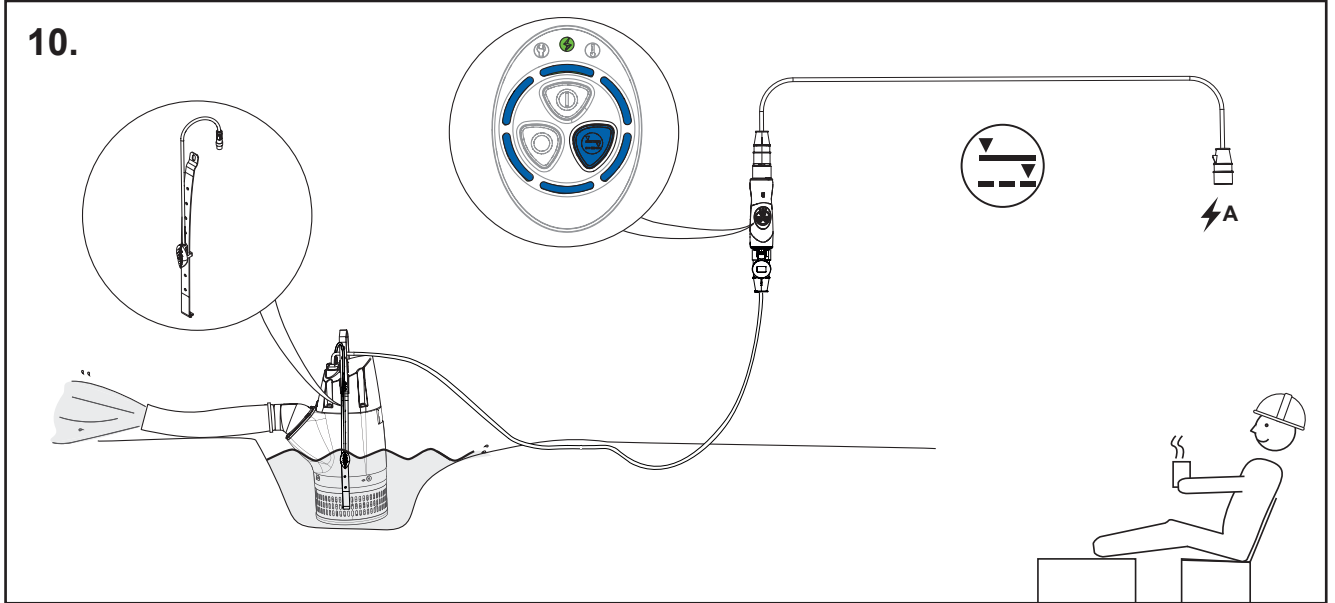
START AND STOP



PAIRING TO PUMP

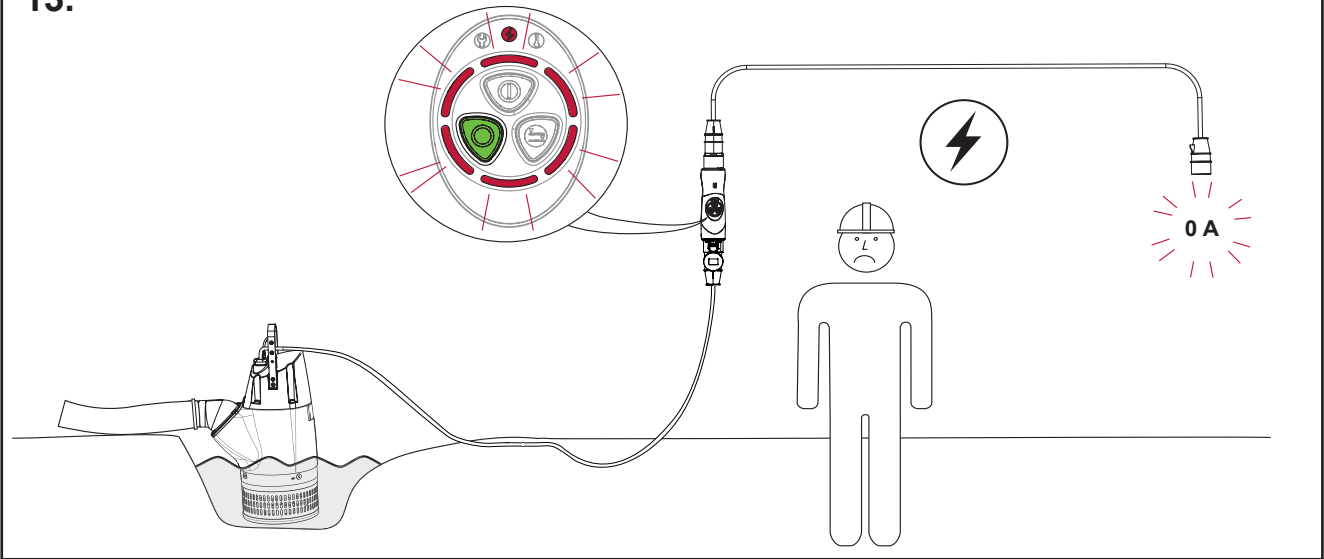


ENERGY SAVING MODE

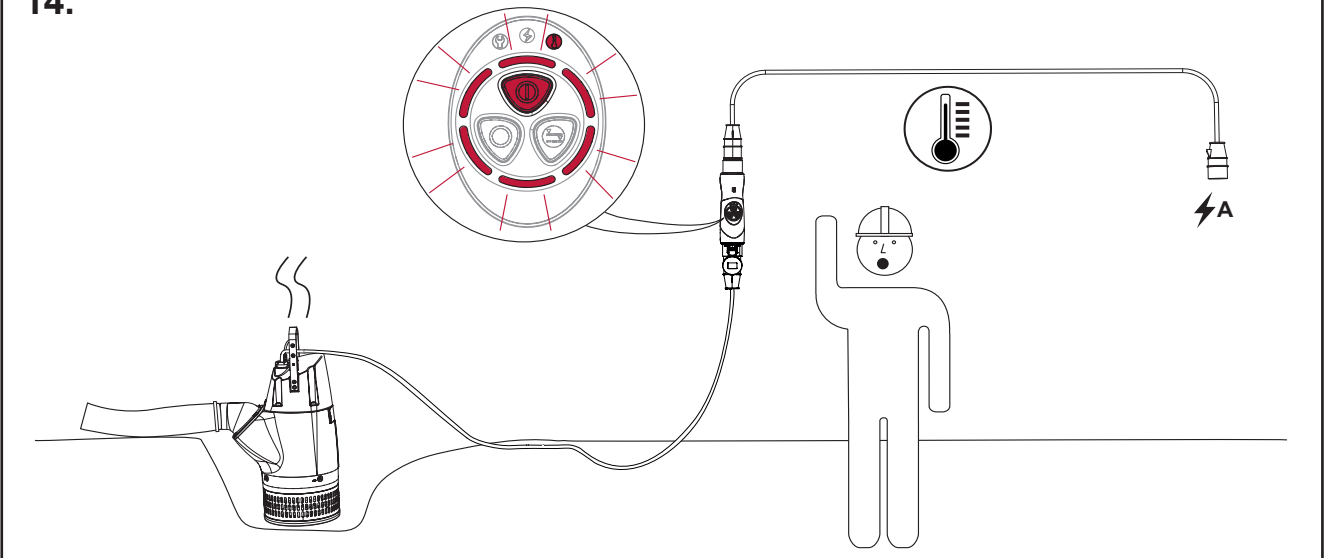


WARNINGS

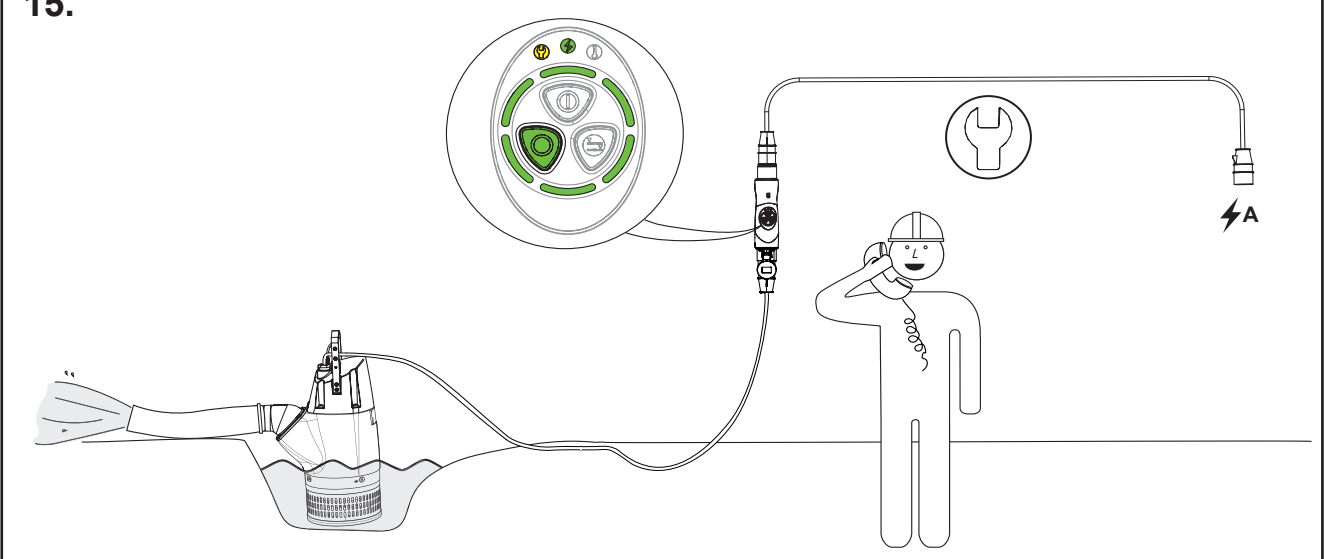
13.



14.



15.



1. Pairing (fig. 7-9)

The AquaPlug has built-in a memory of which pump it was paired to last time. This is done to ensure that the unit will find the correct pump if a power failure occurs on more than one pump in an installation.

There are two time-outs in the system.

1. Pairing time-out: which means that if pairing does not occur in one minute the AquaPlug will not continue to search for a pump. This is done to ensure that the unit will not pair with and control a “foreign” pump.
2. Power time-out: this means that a pump will not pair with a unit which has been powered for a shorter time than itself. This is done to ensure that the AquaPlug takes control of the pump it was plugged in with.

If pairing has not been successful it can depend on:

1. Occasional disturbance on cable – try to make pairing once again.
2. Constant disturbance on power line. Can be caused of other electrical devices such as frequency converters. If this is the case, try to put an extension cable of more than two metres between power source and AquaPlug/AquaPanel (this will give enough resistance to filter most disturbance away).

If none of above tests will work try to use a different power supply.








NOTE! Do not disassemble the AquaPlug.

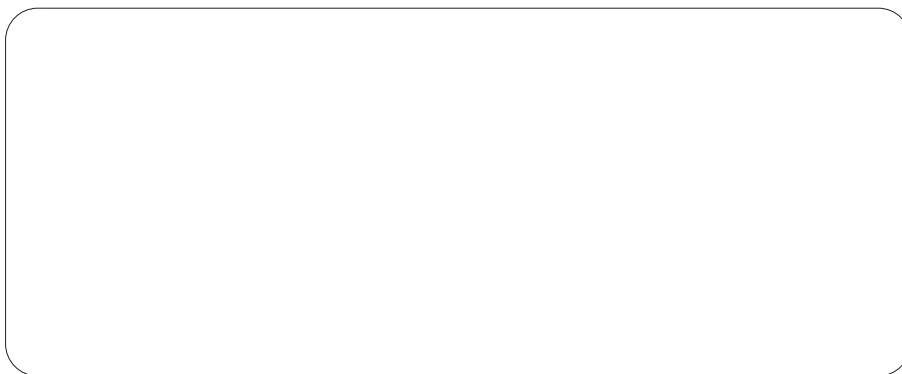
2. Energy save mode (fig. 10-12)

The pump can run with an AquaPlug in energy save mode (when blue button is activated).

When 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.

3. Alarm and warning limits (fig. 13-15)

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.		Soft start 80 °C DOL (Direct-On-Line)s 110 °C		Red
Overload warning light: high amp.		By curve +20 % at long time over- load.		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



SULZER

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