

ESBE AB Bruksgatan 22 SE-333 75 Reftele



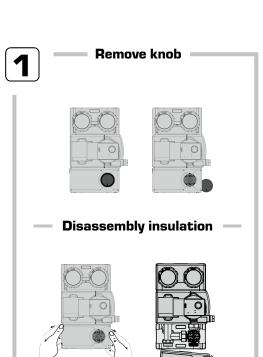
Mtrl.nr. 98141128 • Ritn.nr. 7958 vers. A Rev. 2022-12-19

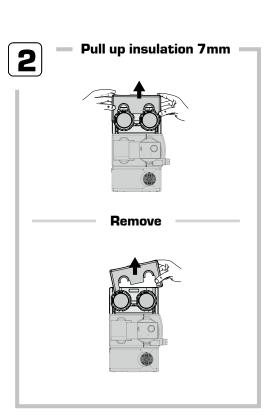


ESBE System Units **CIRCULATION UNIT DN20, GRB300** 









UK SI 2016 No. 1101 SI 2016 No. 1091 SI 2012 No. 3032 SI 2010 No. 2617

SI 2016 No. 1105

Psi/bar/Mpa

145/10/1,0

Series GRB301

EnEV 2014

LVD 2014/35/EU EMC 2014/30/EU

PED 2014/68/EU, article 4.3

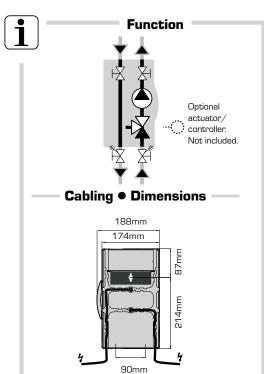
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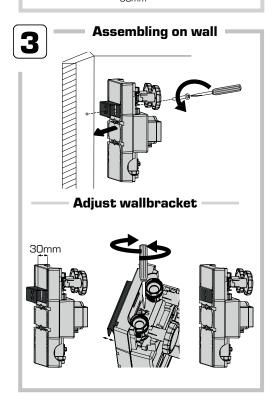
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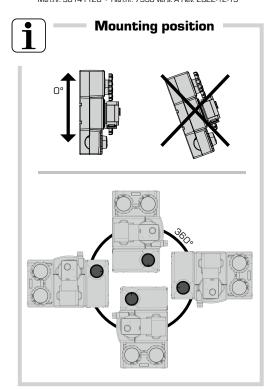
RoHS 2011/65/EU

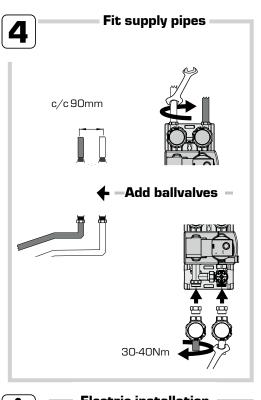
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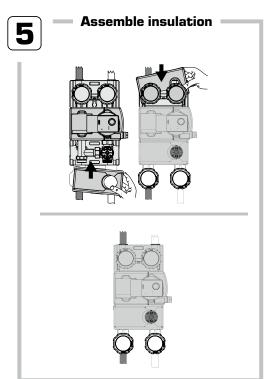
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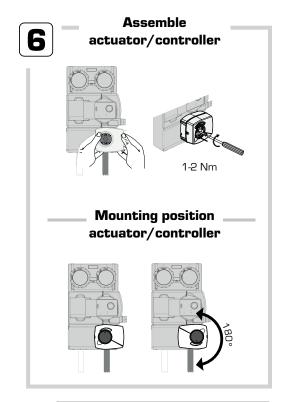


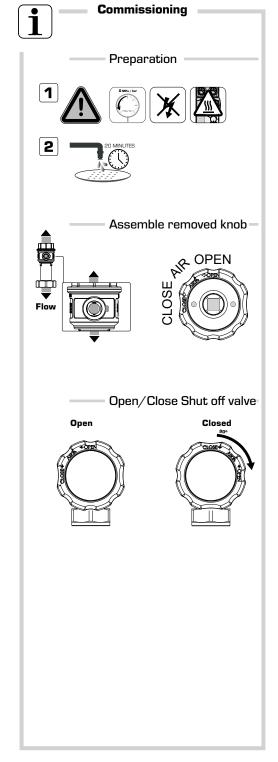


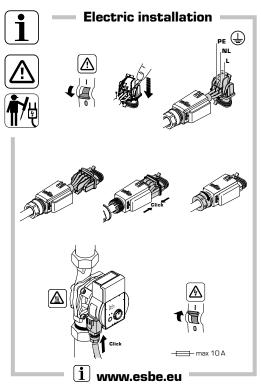


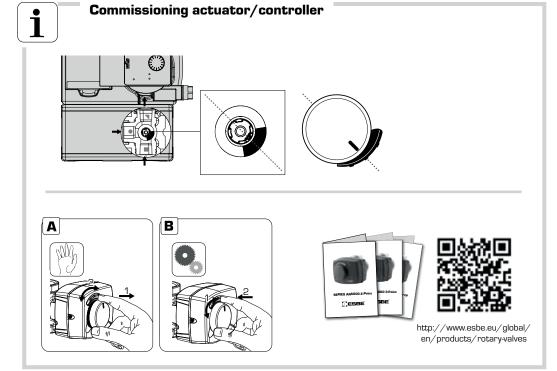


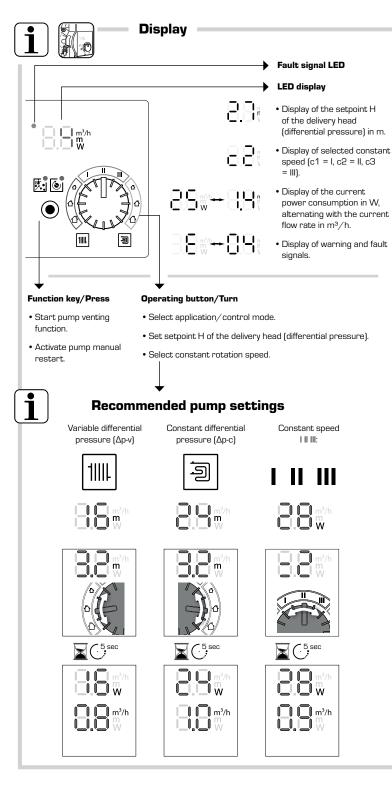
















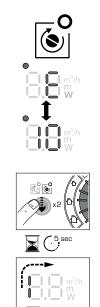








## Manual restart





## WILO - Faults, Causes and Remedies

LED Indicator	Faults	Causes	Remedies
	Pump is not running although the power supply is switched on	Electrical fuse defective	Check fuses
		Pump has no voltage	Resolve the power interruption
	Pump making noises	Cavitation due to insufficient suction pressure	Increase the system pressure within the permissible range
			Check the delivery head and set it to a lower head if necessary
	Building does not get	Thermal output of the heating surfaces is too low	Increase setpoint
	warm		Set control mode to Δp-c
Warning s	signals is indicated by the	LED display. Fault signal LED do	pes not light up.
E07	Generator operation	Water is flowing through the pump hydraulics, but pump has no mains voltage	Check mains voltage
E11	Dry run	Air in the pump	Check volumetric flow rate/water pressure
E21	Overload	Sluggish motor, pump is opera- ted outside of its specifications (e.g. high module temperature). The speed is lower than during normal operation.	Check the ambient conditions
Fault sign	als is indicated by the <b>LEC</b>	display. Fault signal LED lights	up red.
E04	Undervoltage	Power supply too low on mains side	Check mains voltage
E05	Overvoltage	Power supply too high on mains side	Check mains voltage
E10	Blocking	Rotor blocked	Activate manual restart or contact customer service
E23	Short-circuit	Motor current too high	Request customer service
E25	Contacting/ winding	Winding defective	Request customer service
E30	Excessive temperature of module	Module interior too warm	Check conditions of use







http://www.esbe.eu/ global/en/products/ circulation units

