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ESBE System Units

CIRCULATION UNIT DN25, DN32

ESBE

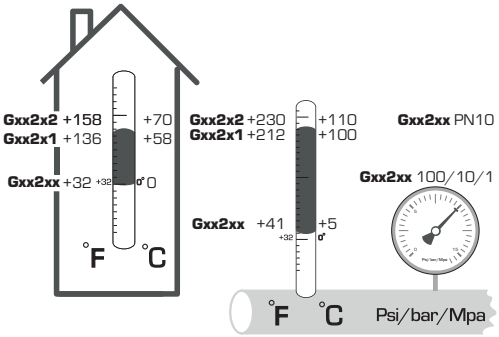
Mtrl.nr: 98141083 • Ritn.nr: 7879 vers. B • Rev. 2021-10-21

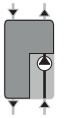
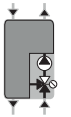
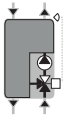
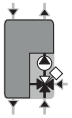
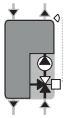
Series GDA200
Series GRA200

Series GFC200
Series GBA200

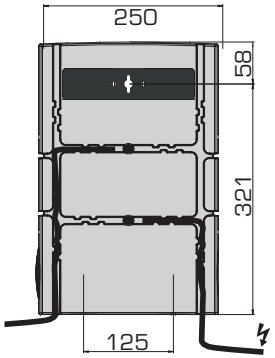
LVD 2014/35/EU
EMC 2014/30/EU
RoHS 2011/65/EU
PED 2014/68/EU, article 4.3

ErP 2009/125/EU
ErP 2015
EnEV 2014

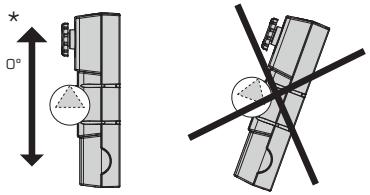


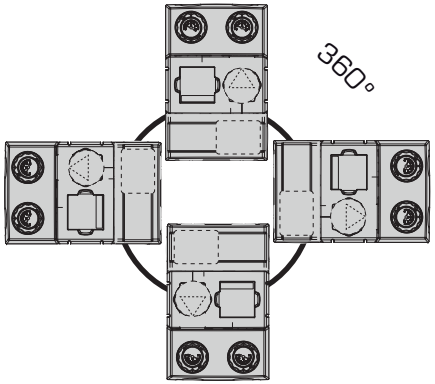
SERIES	FUNCTION
ESBE GDA211 GDA 212	
ESBE GFA211 GFA212	
GRA211 GRA212 GRA231 GRA232	
GRC221 GRC222 GRC241 GRC242	
ESBE GBA211	

Cabling • Dimensions



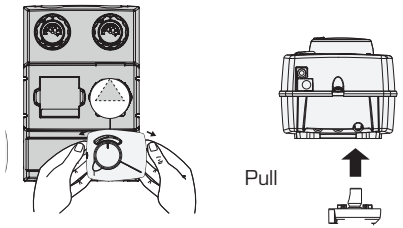
Mounting position



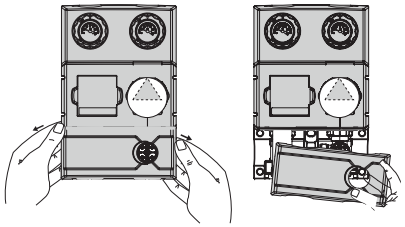


1 Remove actuator

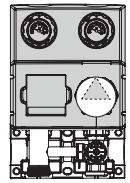
Series GRA2xx, GBA211, GRC2xx



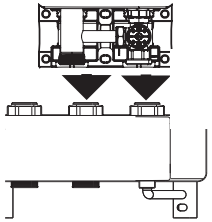
Disassembly insulation



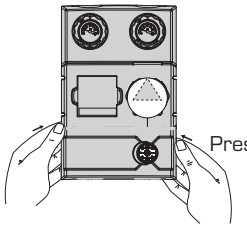
2 Fit supply pipes



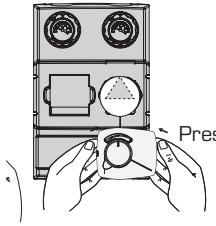
Assemble on manifold



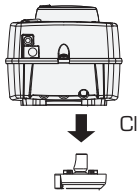
3 Assemble lower insulation



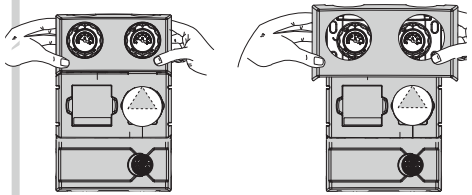
Assemble actuator
Series GRA2xx, GBA211, GRC2xx



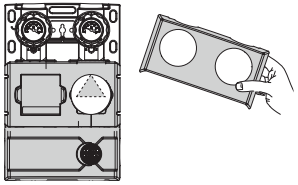
OUICK FIT!



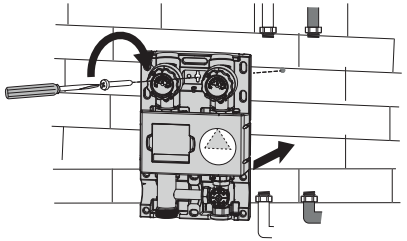
4 Pull up insulation

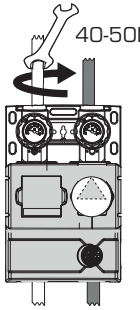


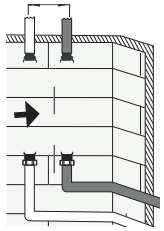
Remove



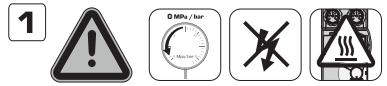
5 Assembling on wall without manifold



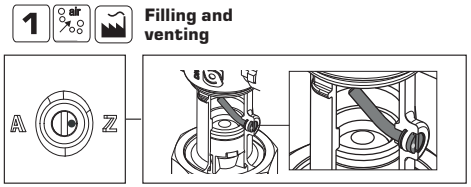


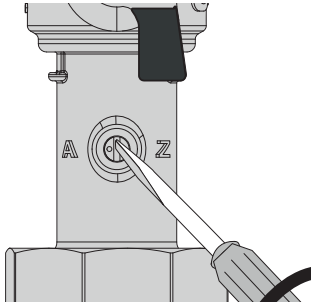


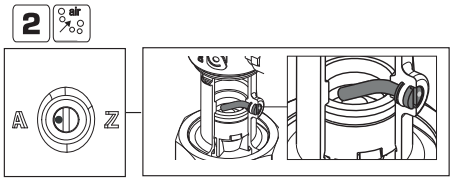
Commissioning



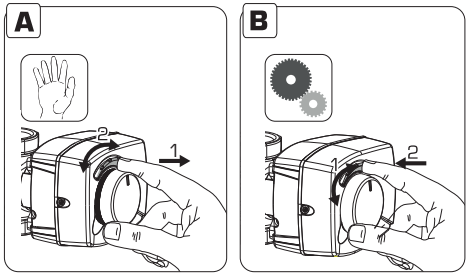








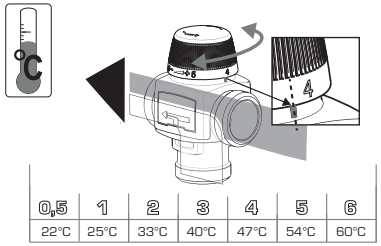
Commissioning actuator:





https://esbe.eu/group/products/rotary-actuators

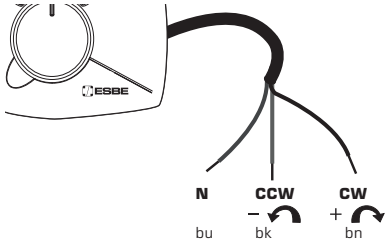
Commissioning fixed temperature
Series GFA211, GFA212



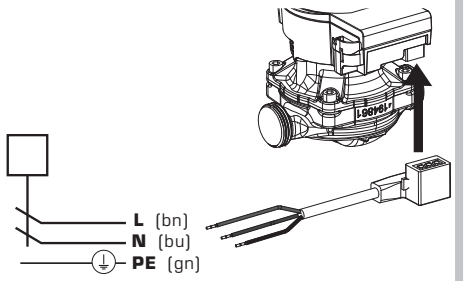


https://esbe.eu/group/products/thermostatic-mixing-valves

Electric installation

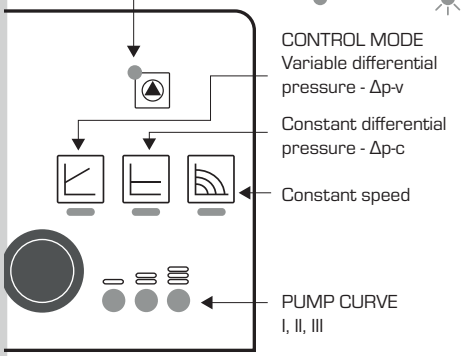


Power

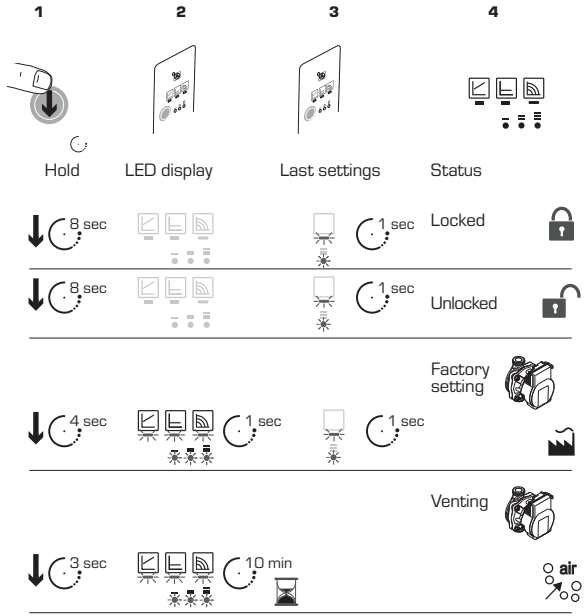


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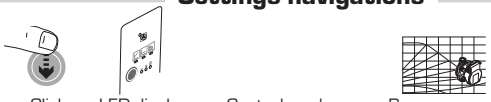
Wilo Display



7 Pump Settings



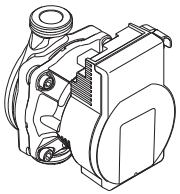
Settings navigations



Click	LED display	Control mode	Pump curve: Recommended	Pump curve: Alternative
1		Constant speed	II	
2		Constant speed	I	
3		Variable differential pressure Δp-v	III	
4		Variable differential pressure Δp-v	II	
5		Variable differential pressure Δp-v	I	
6		Constant differential pressure Δp-v	III	
7		Constant differential pressure Δp-v	II	
8		Constant differential pressure Δp-v	I	
9		Constant speed	III	

WILO - Faults, Causes and Remedies

LED Indicator	Meaning	Diagnostic	Cause	Remedy
lights green	Pump in operation	Pump runs according its setting	Normal operation	
lights orange	Pump is in PWM mode	Pump is speed controlled by the PWM signal	Normal operation	
blinks red/ green	Pump in function but stopped	Pump restarts by itself after the fault is disappeared	**1.** Undervoltage U<160 V or Overvoltage U>253 V **2.** Modul overheating: temperatur inside motor too high	**1.** Check voltage supply 195 V < U < 253 V **2.** Check water and ambient temperature
blinks red	Pump out of function	Pump stopped (blocked)	Pump does not restart by itself due to a permanent failure	Change pump
blinks orange	Pump out of function	Pump stopped	Pump is not starting	Change pump
LED off	No power supply	No voltage on electronics	**1.** Pump is not connected to power supply **2.** LED is damaged **3.** Electronics are damaged	**1.** Check cable connection **2.** Check if pump is running **3.** Change pump

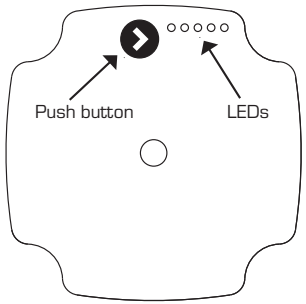


http://www.esbe.eu/global/en/products/circulation units

Factory setting

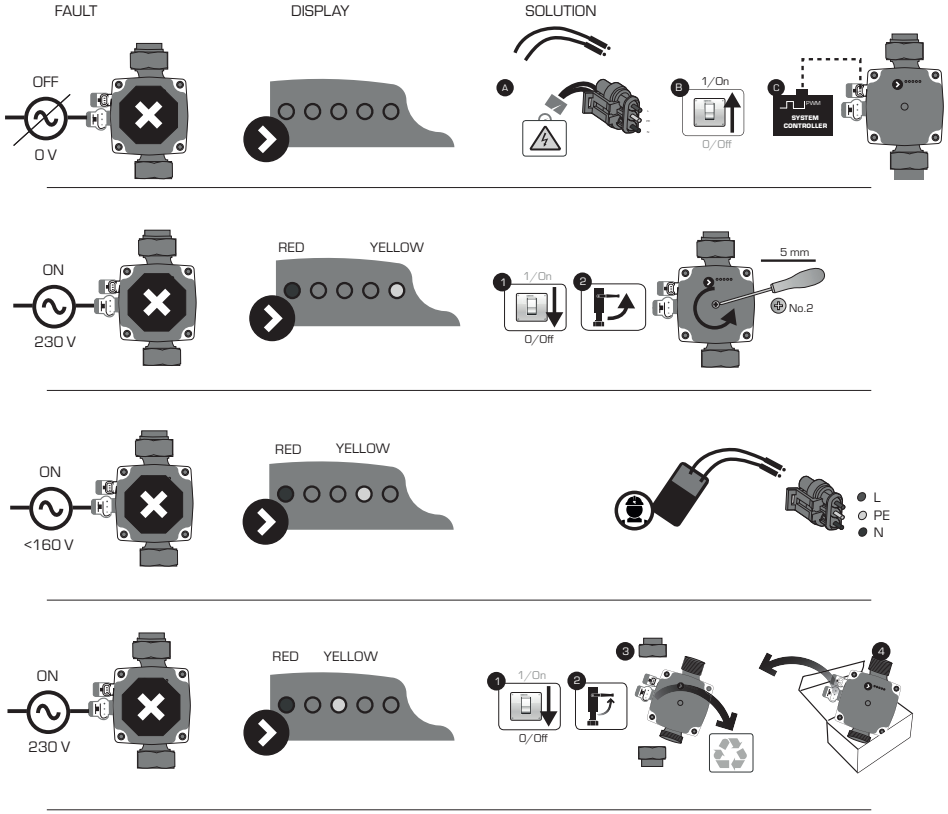
= Factory settings

Grundfos Display

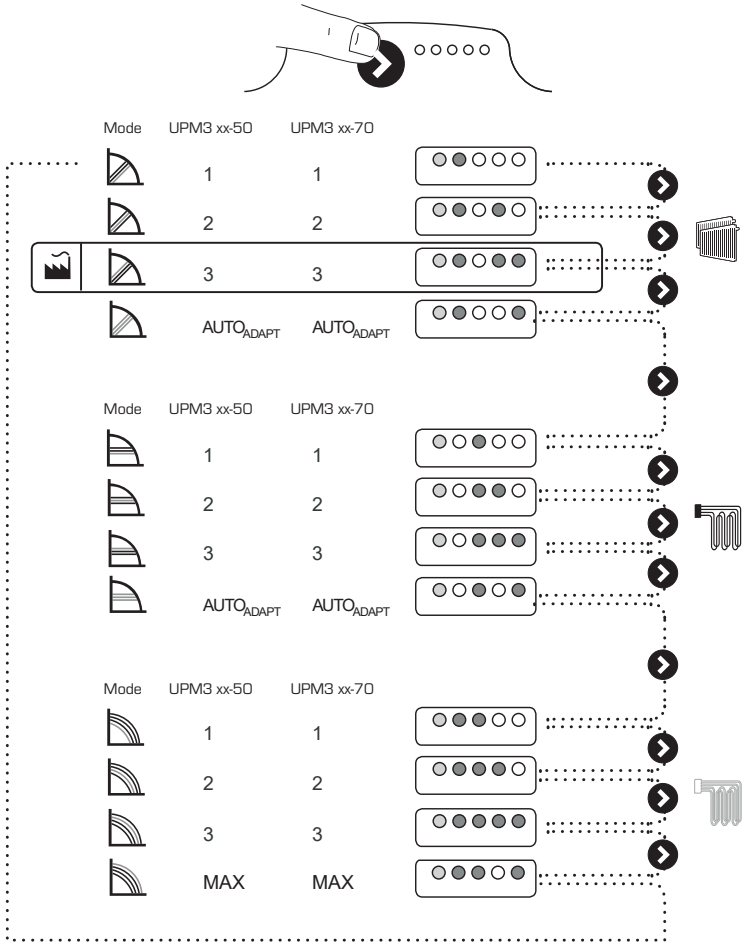


http://www.esbe.eu/global/en/products/circulation units

Grundfos - Faults, Display and Solutions



7 Settings navigation



8 Expose application info using leaflet

