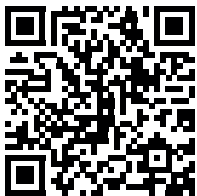




ESBE AB
Bruksgatan 22
SE-333 75 Reftele
www.esbe.eu



ESBE System Units
CIRCULATION UNIT DN25, DN32



Mtrl.n: 98141121 Ritn.n: 7951 vers. A • Rev. 2022-12-01



Series GDA200
Series GRA200
Series GFA200

Series GBA200
Series GRC200



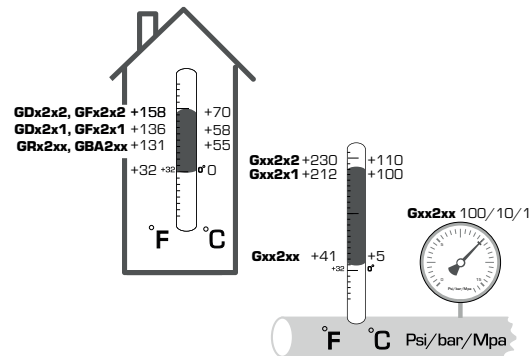
LVD 2014/35/EU
EMC 2014/30/EU
RoHS 2011/65/EU
ErP 2009/125/EU



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

PED 2014/68/EU, article 4.3
EnEV 2014

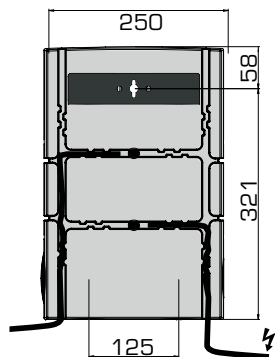
SI 2016 No. 1105



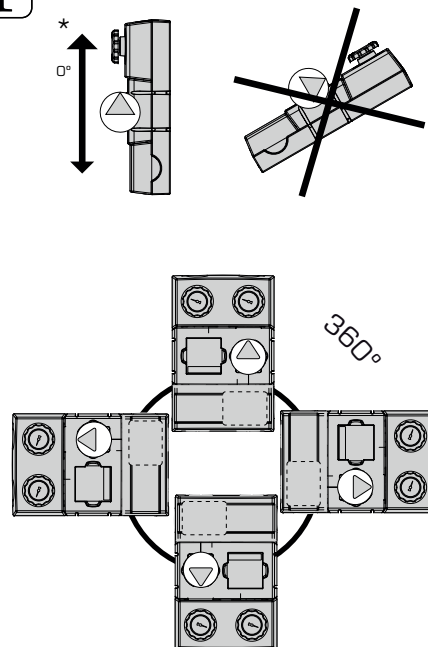
SERIES	FUNCTION
ESBE GDA211 GDA 212	
ESBE GFA211 GFA212	
GRA211 GRA212 GRA231 GRA232	
GRC221 GRC222 GRC241 GRC242	
ESBE GBA211	



Dimensions • Cabling

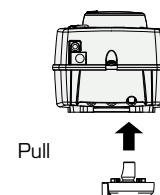
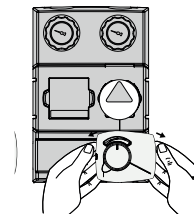


Mounting position

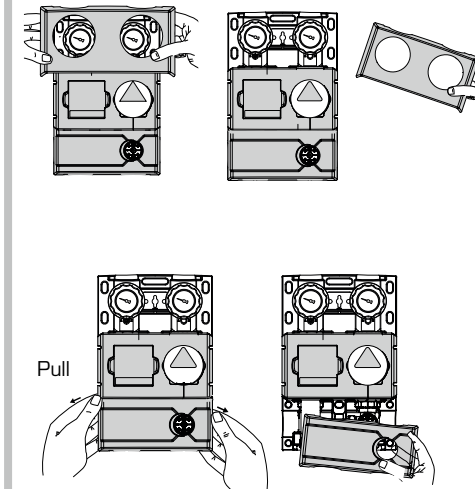


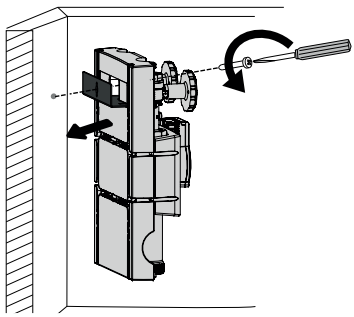
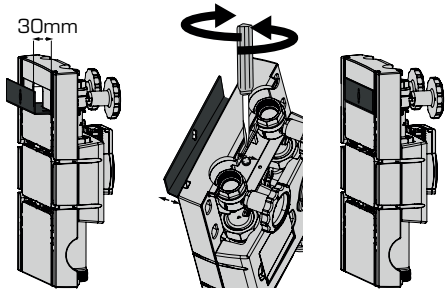
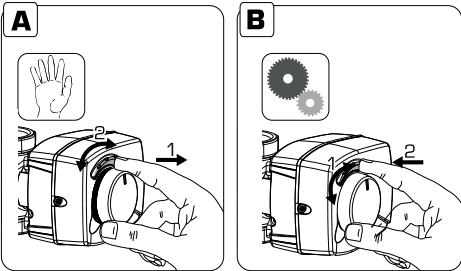
Remove actuator/controller

Series GRA2xx, GBA211, GRC2xx

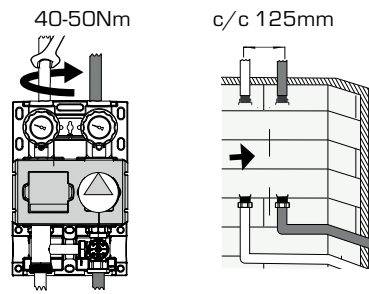
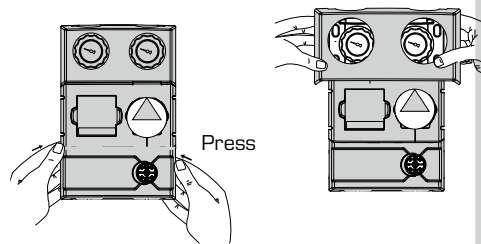


Remove insulation

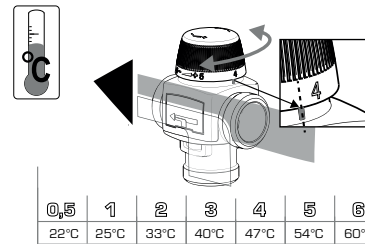


3**Assembling on wall****Adjust wallbracket****i****Commissioning actuator**

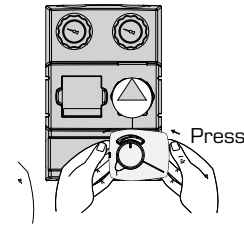
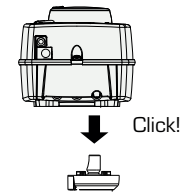
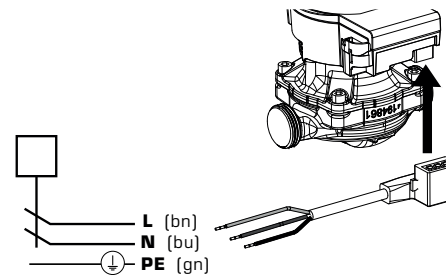
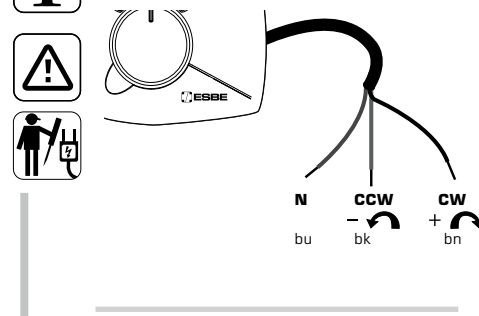
<https://esbe.eu/group/products/rotary-actuators>

4**Fit supply pipes****Assemble insulation****i****Commissioning fixed temperature**

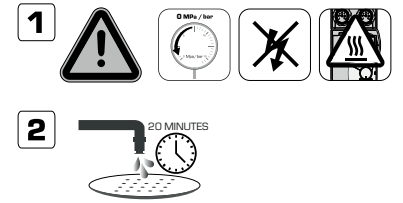
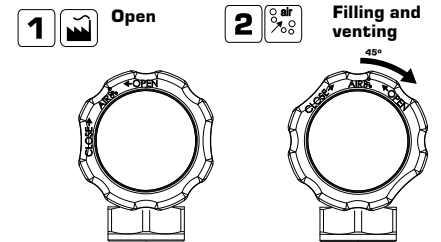
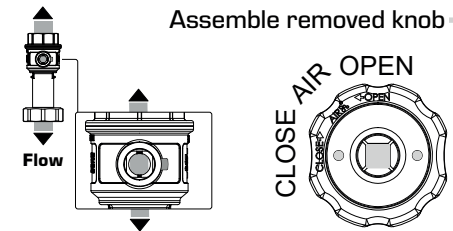
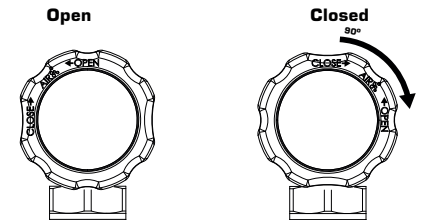
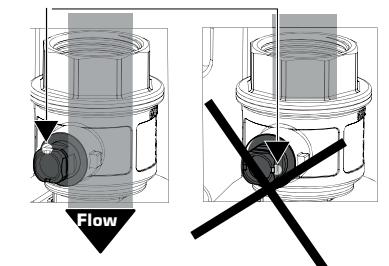
Series GFA211, GFA212



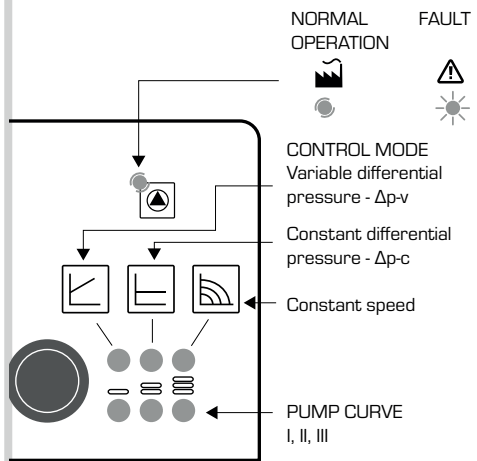
<https://esbe.eu/group/products/thermostatic-mixing-valves>

5**Assemble actuator/controller**
Series GRA2xx, GBA211, GRC2xx**QUICK FIT!****i****Electric installation**

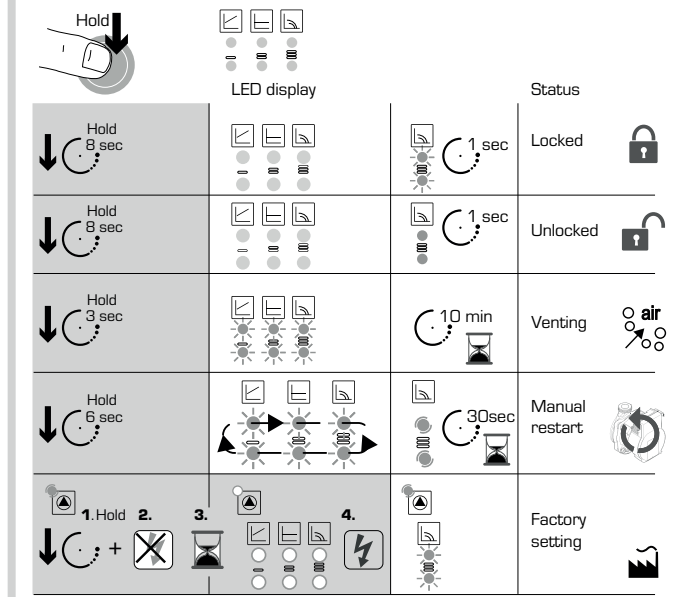
i www.esbe.eu

i**Commissioning****Preparation****Filling and venting****Assemble removed knob****Checkvalve position****White mark, indicate check valve position**

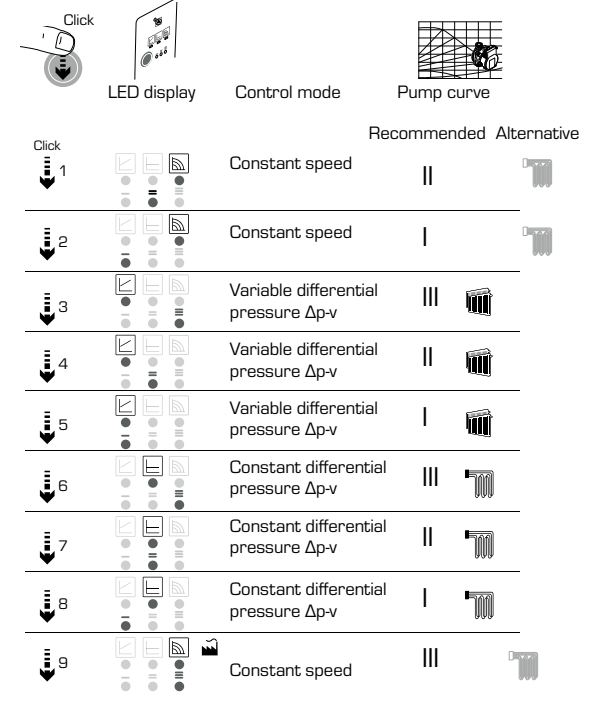
Wilo Display



Pump Settings

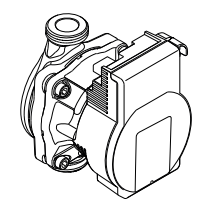


Settings navigations



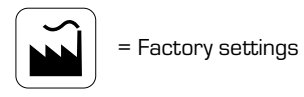
WILO - Faults, Causes and Remedies

LED Indicator	Meaning	Diagnostic	Cause	Remedy
lights green	Pump in operation	Pump runs according its setting	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 to power supply 2. Check if pump is running 3. Change pump



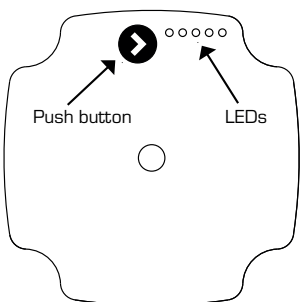
<http://www.esbe.eu/global/en/products/circulation units>

Factory setting





Grundfos Display



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

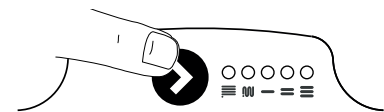


Grundfos - Faults, Display and Solutions

FAULT	DISPLAY	SOLUTION
 OFF 0V	 4 LEDs	 1/On 0/Off
 ON 230V	 RED YELLOW	 1/On 0/Off 5 mm No.2
 ON <160V	 RED YELLOW	 L PE N
 ON 230V	 RED YELLOW	 1/On 0/Off



Settings navigation



MODE	UPM3 xx-50	UPM3 xx-70	Navigation
	1	1	○ ○ ○ ○ ○
	2	2	○ ○ ○ ○ ○
	3	3	○ ○ ○ ○ ○
	1	1	○ ○ ○ ○ ○
	2	2	○ ○ ○ ○ ○
	3	3	○ ○ ○ ○ ○
	AUTO _{ADAPT}	AUTO _{ADAPT}	○ ○ ○ ○ ○
	AUTO _{ADAPT}	AUTO _{ADAPT}	○ ○ ○ ○ ○



Expose application info using leaflet