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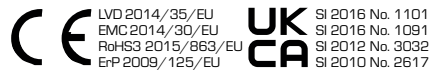


ESBE System Units
CIRCULATION UNITS
SERIES GxA390



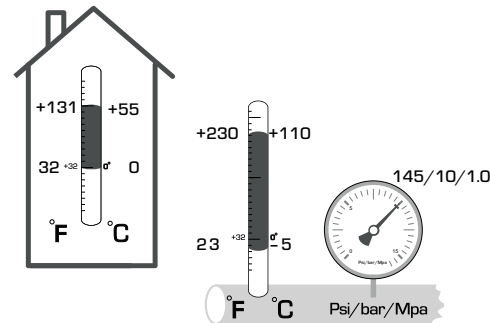
Series GDA390
Series GRA390

Series GFA390



PED 2014/68/EU, article 4.3
EnEV 2014

SI 2016 No. 1105

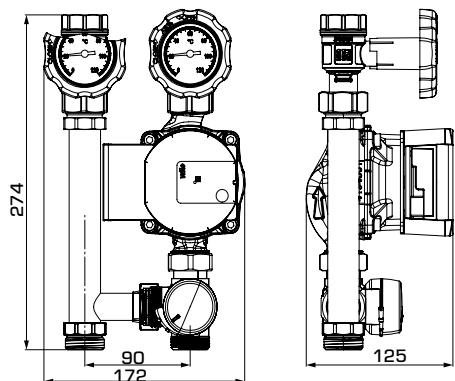


SERIES	FUNCTION
ESBE GDA394	
ESBE GRA394	
ESBE GFA394	

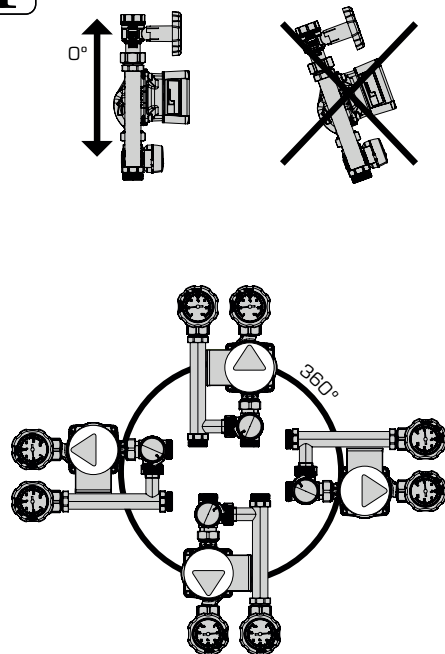
Mtrl.no. 98141147 • Dwg. 11040 • vers. A • Rev. 2024-04-10



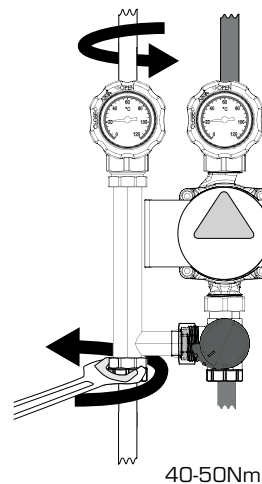
Dimensions



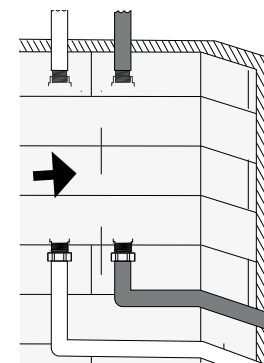
Mounting position



Fit supply pipes



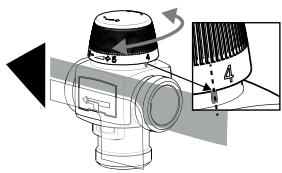
c/c 90mm



2

Commissioning fixed temperature

Series GFA390



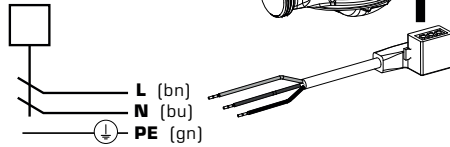
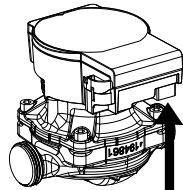
0,5	1	2	3	4	5	6
22°C	25°C	33°C	40°C	47°C	54°C	60°C



<https://www.esbe.eu/global/en/products/thermostatic-mixing-valves>

3

Electric installation

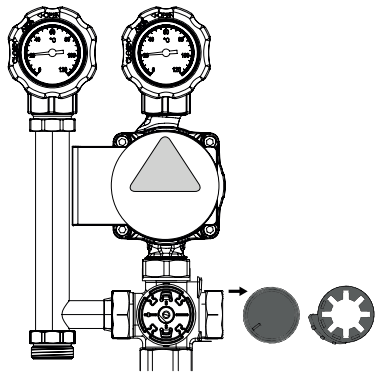


www.esbe.eu

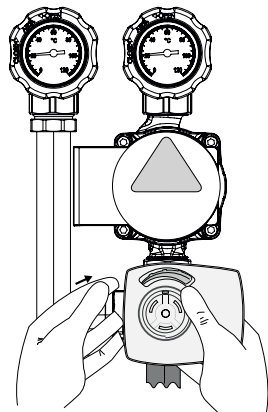
OPTIONAL

Assemble actuator/controller

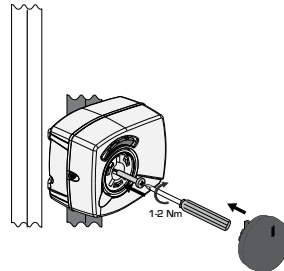
1



2



3



<https://esbe.eu/group/products/controllers>



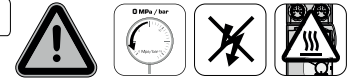
<https://esbe.eu/group/products/rotary-actuators>

4

Commissioning

Preparation

1



2



Filling and venting

1

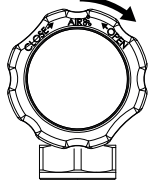
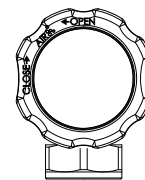


Open

2



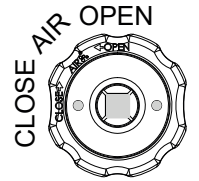
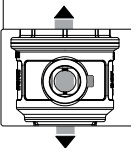
Filling and venting



Assemble removed knob

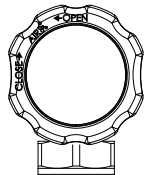


Flow

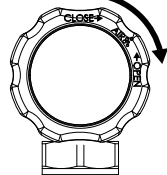


Checkvalve position

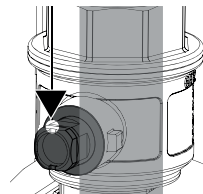
Open



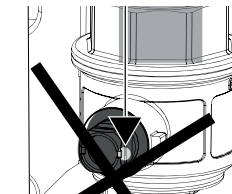
Closed



White mark, indicate check valve position

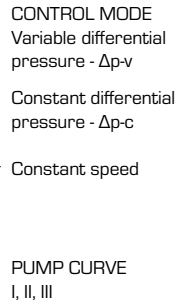
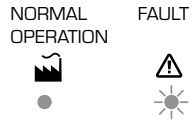


Flow

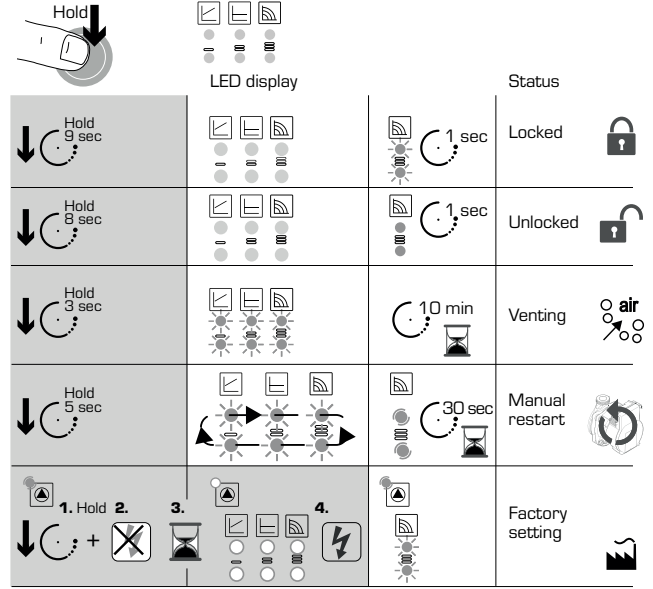




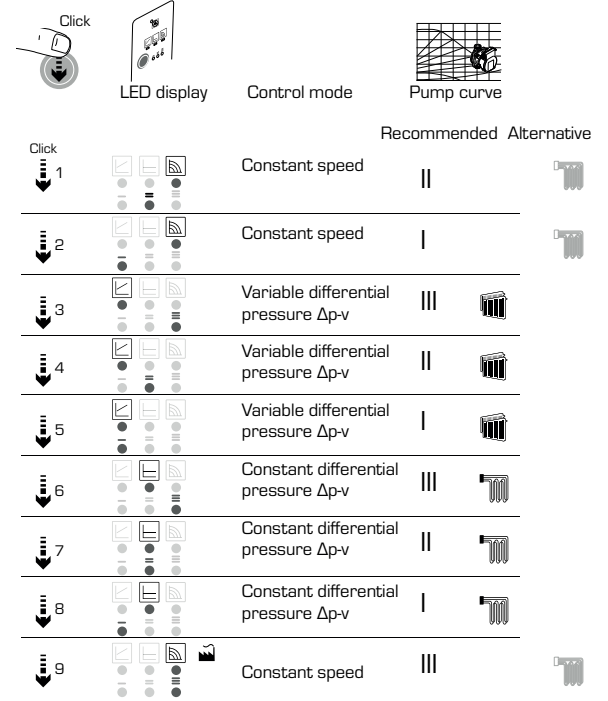
Wilo Display



Pump Settings

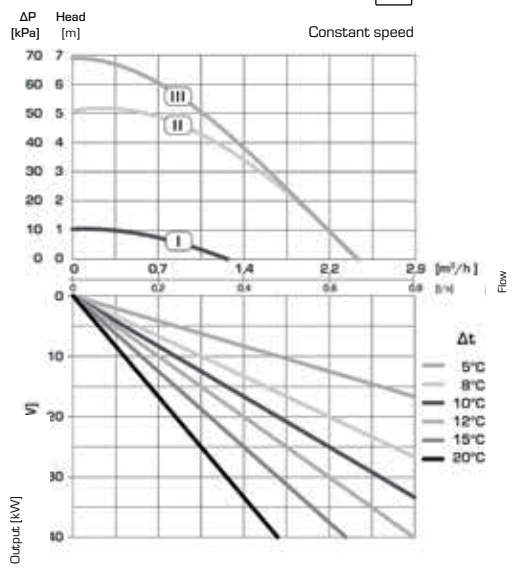
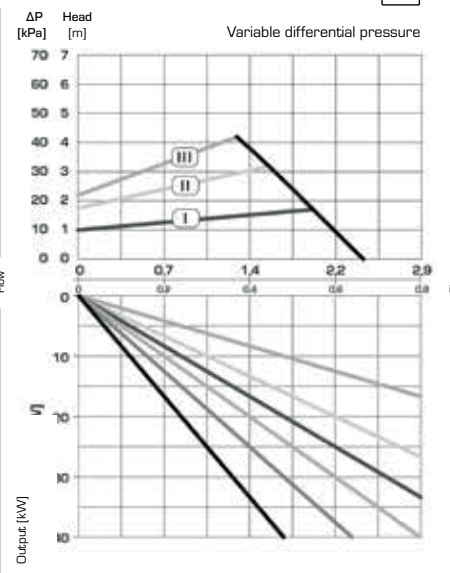
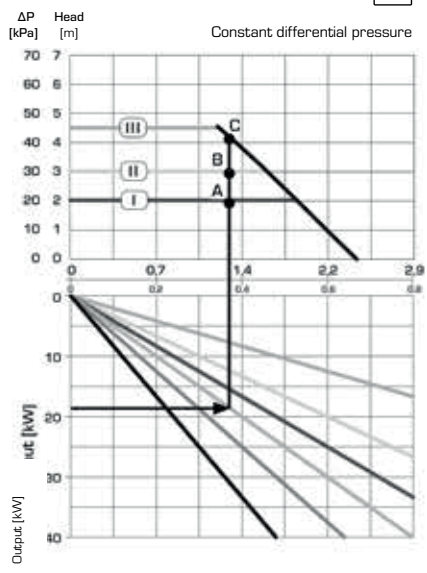


Settings navigations



Circulation Unit Performance

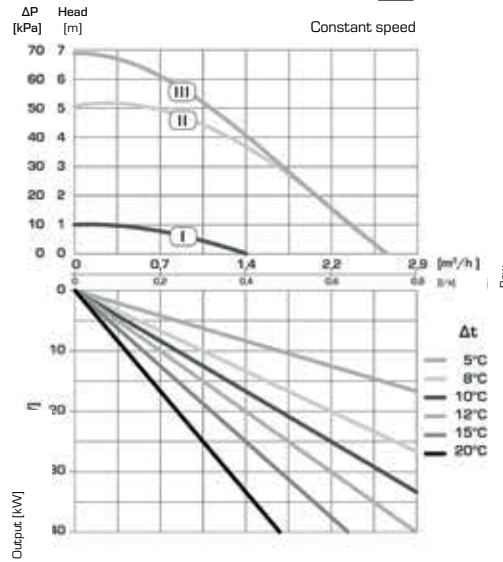
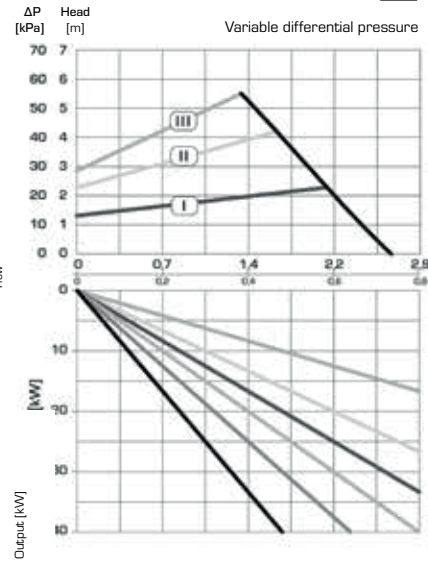
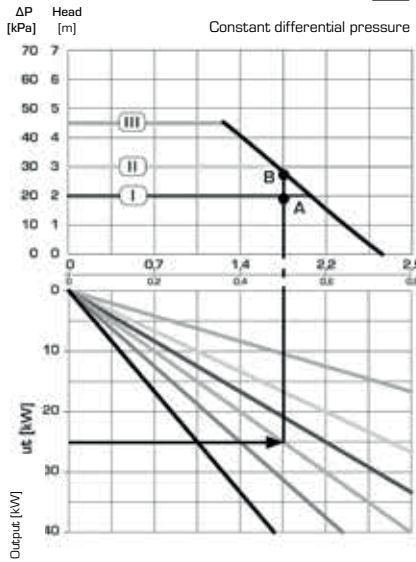
Heating output **GRA394** MIXING FUNCTION





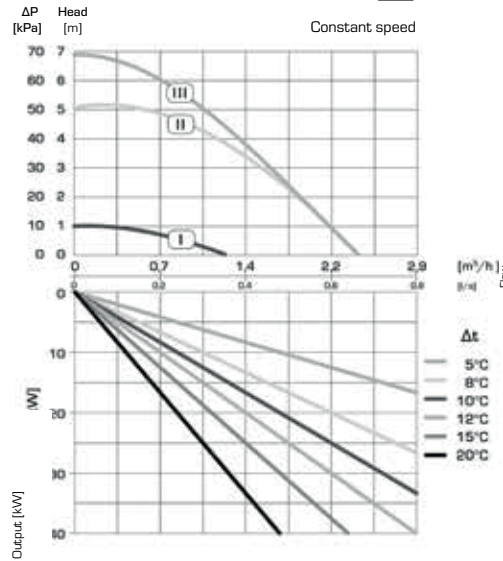
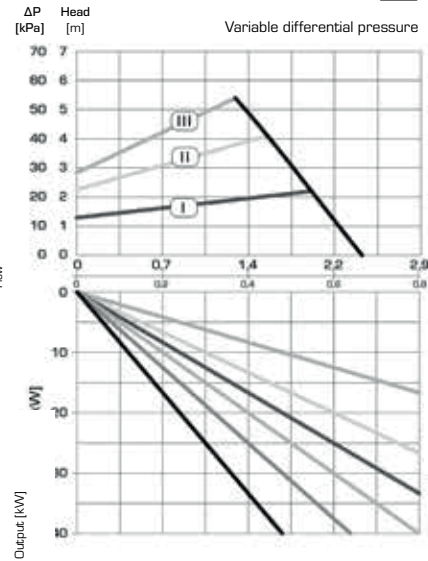
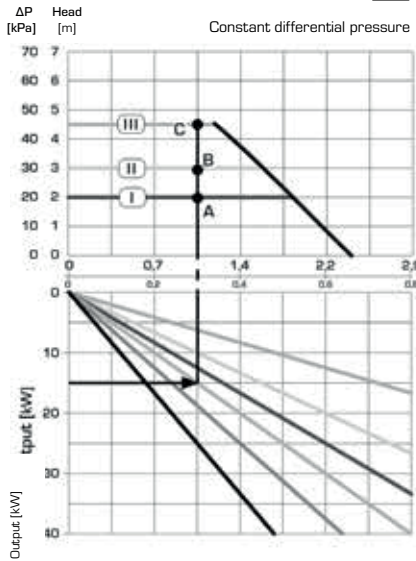
Circulation Unit Performance

Heating output **GDA394** DIRECT SUPPLY



Circulation Unit Performance

Heating output **GFA394** FIXED TEMPERATURE



WILO - Faults, Causes and Remedies

LED	Faults	Cause	Remedy
Lights up red	Blocking	Rotor blocked	Activate manual restart or contact customer service
	Contacting/ winding	Winding defective	
Flashes red	Under/overvoltage	Power supply too low/ high on mains side	Check mains voltage and operating conditions, and request customer service
	Excessive module temperature	Module interior too warm	
	Short-circuit	Motor current too high	
Flashes red/ green	Generator operation	Water is flowing through the pump hydraulics, but there is no mains voltage at the pump	Check the mains voltage, water quantity/pressure and the ambient conditions
	Dry run	Air in the pump	
	Overload	Sluggish motor, pump is operated outside of its specifications (e.g. high module temperature). The speed is lower than during normal operation	



http://www.esbe.eu/global/en/products/circulation_units



Name plate

