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### SERIES SFK100



Series SFK120  
Series SFK130  
Series SFK140



PED 2014/68/EU, article 4.3  
EnEV 2014



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

SI 2016 No. 1105



Series SFK120



Series SFK130

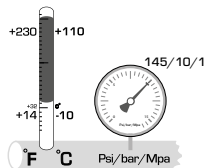
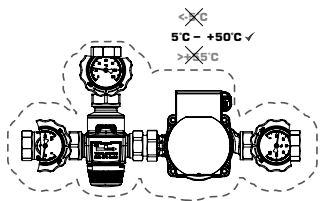
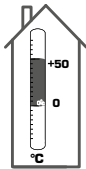


Series SFK140

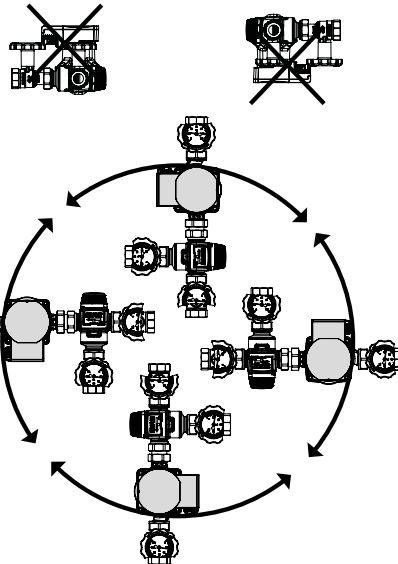
Mtrl.nr. 9814 10 37 • Ritn.nr 7719 vers. B • Rev 2023-02-17



### Temperature

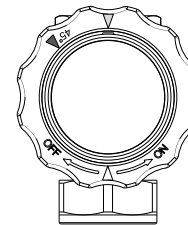


### SFK Position

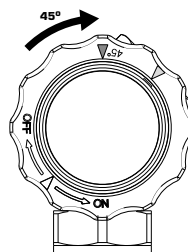


### Operating position

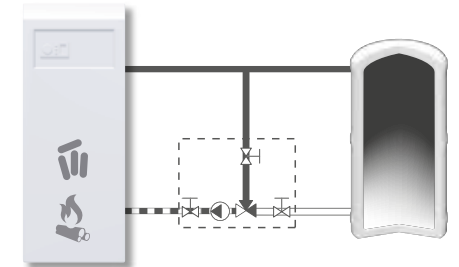
Checkvalve working position



Checkvalve open position

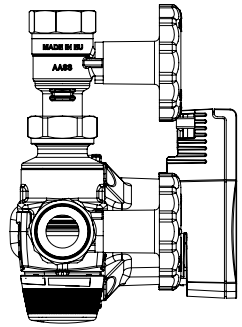


### Application

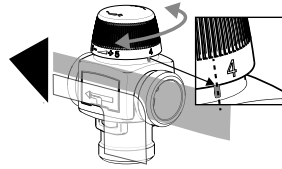




Series **SFK120**



**SFK120**  
Adjustable temperature



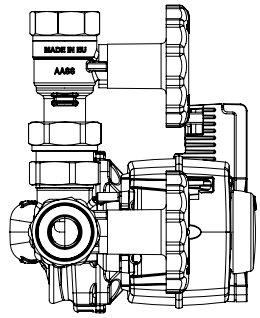
Adjustable temperature



Art. No.	Temperature	
	Opening	Mixed (AB)
55021100	50 - 70°C	52 - 72°C ± 3°C

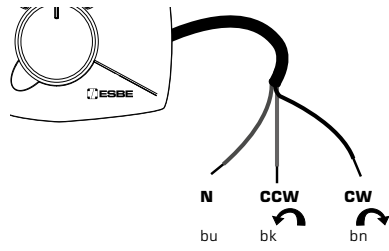


### Series SFK130/SFK140

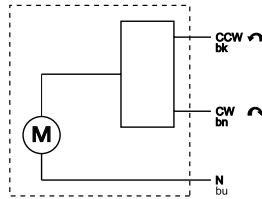


### SFK130

#### Electric installation



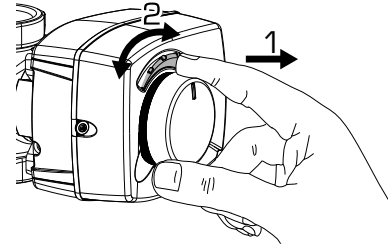
#### Actuator Wiring



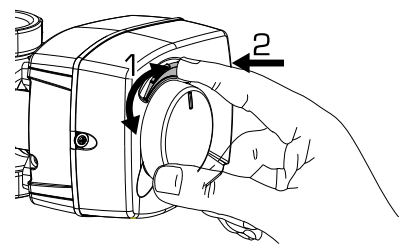
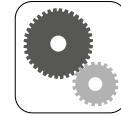
### Series SFK130/SFK140

#### Commissioning actuator and controller

**A**



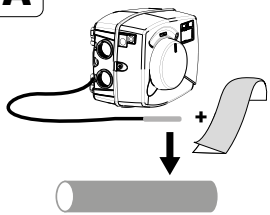
**B**



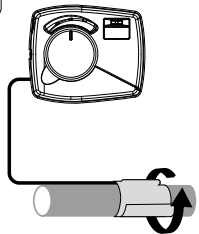
### Series SFK140

#### Fix flow pipe sensor

**A**

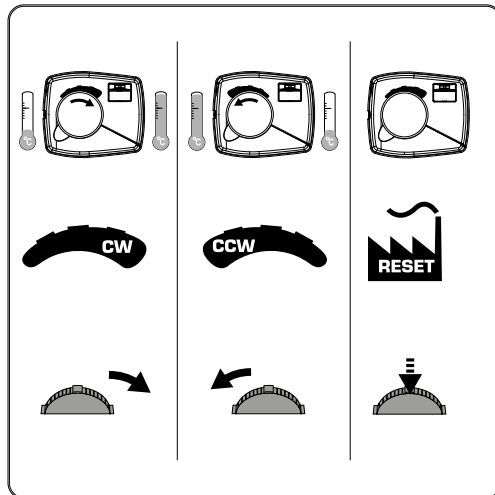


**B**



### Series SFK140

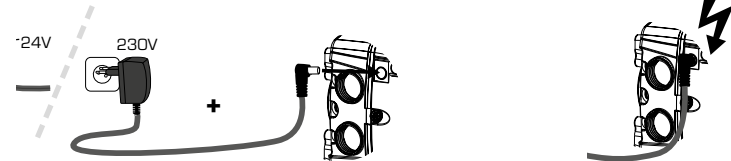
#### Start up



**A**

+

**B**

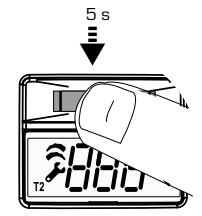


5 sek



### Series SFK140

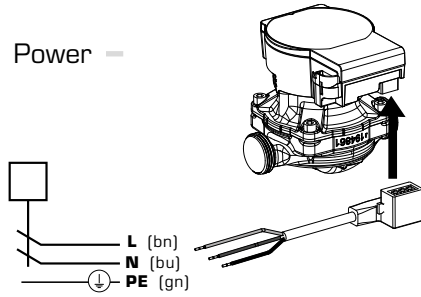
#### Controller settings



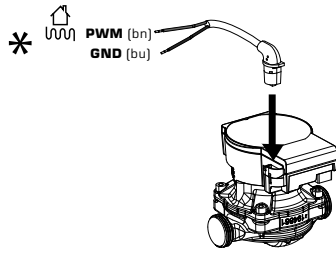


## Circulation Pump 230 VAC, 50HZ

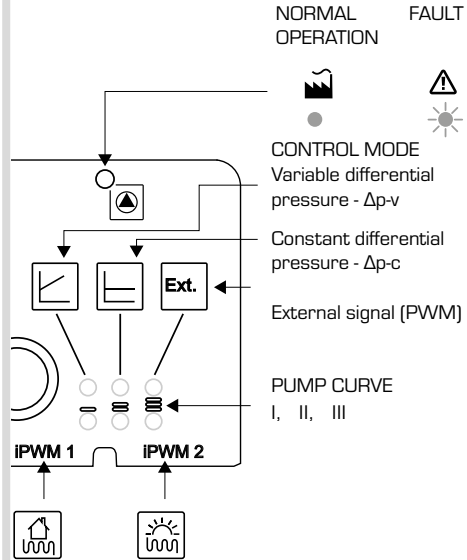
Power



Optional - PWM cable



## Display



## 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	



## Pump Settings

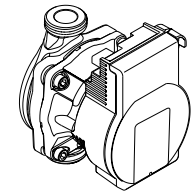
Hold	LED display	Status
Hold 8 sec	[Icons]	Locked
Hold 8 sec	[Icons]	Unlocked
Hold 3 sec	[Icons]	Venting
Hold 6 sec	[Icons]	Manual restart
1. Hold 2. 3. 4.	[Icons]	Factory setting

## Settings navigations

Click	LED display	Control mode	Pump setting	Recommended settings	Alternative settings
1	[Icons]	[Icons]	III	●	
2	[Icons]	[Icons]	II	●	
3	[Icons]	[Icons]	I	●	
4	[Icons]	[Icons]	IPWM 1	●*	* Requires PWM cable
5	[Icons]	[Icons]	IPWM 2	●*	* Requires PWM cable
6	[Icons]	[Icons]	III		●
7	[Icons]	[Icons]	II		●
8	[Icons]	[Icons]	I		●



## Circulation Pump 230 VAC, 50HZ



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