

**JRG**

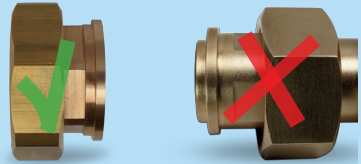
**+GF+**

# JRGUMAT

**Trouble shooting**



! Malfunction	? Possible cause	✓ Possible action	➔ Precaution
<b>General</b>	Blocked shut-off valves and damaged back flow preventer	Check functionality of valves, replace back flow preventer	Regular control and maintenance of all valves
<b>Mixed water temperature constantly too low</b>	Installation instructions/schematic diagram disregarded, or pressure rates of cold and hot water differ	Adjust installation according to instructions in the manual; if not possible: install pressure reducers in the cold and hot water pipes upstream before the JRGUMAT	Maximum differential pressure of hot and cold water: ~0.5 bar
	Water heater not at target temperature	Check water heater, increase hot water temperature if necessary	Hot water temperature must be 5 K higher than the desired mixed water temperature
	JRGUMAT installed above or too close to the water heater	Install the JRGUMAT side by side with the water heater or install thermosiphon in the hot water pipe upstream before the JRGUMAT	Install the JRGUMAT side by side with the water heater with a 1 metre clearance; if clearance <1 m: install thermosiphon in the hot water pipe
	Circulation connection on the JRGUMAT not flat sealing or not properly connected flat sealing	Use flat sealing union or cap	Adhere to installation instructions
	Too low/high volume flow through the JRGUMAT	Check dimension of JRGUMAT; choose smaller/larger dimension if necessary	Use nomogram to determine the appropriate dimension of the JRGUMAT securing a volume flow of $\pm 1$ K target value range
	Slide in JRGUMAT stuck due to dirt/deposits	Replace JRGUMAT	Install water treatment components (filter and/or softener)
<b>Mixed water temperature constantly too high</b>	Too low/high volume flow through the JRGUMAT	Check dimension of JRGUMAT; choose smaller/larger dimension if necessary	Use nomogram to determine the appropriate dimension of the JRGUMAT securing a volume flow of $\pm 1$ K target value range
	Installation instructions/schematic diagram disregarded, or pressure rates of cold and hot water differ	Adjust installation according to instructions in the manual; if not possible: install pressure reducers in the cold and hot water pipes upstream before the JRGUMAT	Maximum differential pressure of hot and cold water: 0.5 bar
	Slide in JRGUMAT stuck due to dirt/deposits	Replace JRGUMAT	Install water treatment components (filter and/or softener)

! <b>Malfunction</b>	? <b>Possible cause</b>	✓ <b>Possible action</b>	➔ <b>Precaution</b>
<b>Mixed water temperature fluctuates</b>	Installation instructions/schematic disregarded, back flow preventer defective	Adjust installation according to instructions, check proper function of back flow preventer and replace it if necessary	Adhere to instructions in JRGUMAT manual; regularly check whether back flow preventer works properly
<b>Mixed water temperature too high after extended periods of no tapping of water</b>	Mixed water circulation only looped back to water heater and not to the JRGUMAT / circulation not calibrated	Integrate JRGUMAT into circulation / calibrate circulation	Observe the installation instructions in the JRGUMAT manual; split circulation: about 10% to the water heater and about 90% to the JRGUMAT
<b>Mixed water temperature too low after extended periods of no tapping of water</b>	Mixed water circulation only looped back to the JRGUMAT and not to the water heater / circulation not calibrated	Integrate water heater into circulation / calibrate circulation	Observe the installation instructions in the JRGUMAT manual; split circulation: about 10% to the water heater and about 90% to the JRGUMAT
<b>Mixed water cannot be set to the desired temperature</b>	JRGUMAT with inappropriate temperature range installed	Check temperature range of installed JRGUMAT; install JRGUMAT with alternative temperature range if necessary	Determine mixed water temperature and respective temperature range before ordering the JRGUMAT
<b>JRGUMAT does not regulate the mixed water temperature</b>	JRGUMAT thermostat overheated	Replace JRGUMAT	When using soldered unions, remove JRGUMAT before soldering; note maximum temperature JRGUMAT may be exposed to
<b>Very low / no volume flow of the mixed water</b>	Inappropriate / no original GF JRG unions use	Use original GF JRG unions	<p>Order original GF JRG unions together with the JRGUMAT. Do not use water meter unions.</p> 

Für nicht erwähnte Störungen oder weitere Fragen stehen Ihnen unsere technischen Berater gerne zur Verfügung:

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