

CIRCULATING PUMPS WITA AQUA U 25, U 35, U 55, U 65, U 75



GB

INSTRUCTION FOR INSTALLATION

CIRCULATING PUMPS

WITA AQUA U 25, U 35, U 55, U 65, U 75



We declares that these products are In conformity with the following EU- directives:



ME 77

2006/42/WE
2006/95/WE
2004/108/WE

Fault	Cause	Remedy
<i>Pump fails to start</i>	<i>Supply failure</i>	<i>Check fuses and possible loose electrical connections</i>
	<i>Capacitor is defective</i>	<i>Replace the capacitor</i>
	<i>Pump blocked due to furred bearings</i>	<i>Change over it maximum speed for a short period or free the rotor with a screwdriver inserted in the slot of the shaft end</i>
	<i>Impurities in the pump</i>	<i>Dismantle and clean the pump</i>
<i>Noise in the system</i>	<i>Pump flow setting is too high</i>	<i>Change over to a lower speed</i>
	<i>Air in the system</i>	<i>Vent the system</i>
<i>Noise in the pump</i>	<i>Inlet pressure too low</i>	<i>Increase the inlet pressure or check the air volume in the expansions tank (if installed)</i>

Fault Finding Chart

SUPPLEMENT TO TECHNICAL INSTRUCTIONS FOR PUMPS

PUMP APPLICATION IN GENERAL

Circulating pump WITA AQUA is designed only for use with drinking water according to Regulations WE 641/2009. All elements of this circulating pump are resistant to factors which appear in drinking water system. **READ INSTRUCTION CAREFULLY BEFORE ATTEMPTING TO INSTALL, OPERATE OR SERVICE WITA AQUA CIRCULATOR!**

The maximum system pressure is 1 MPa (10 bar). The maximum pumped media temperature is 110°C and the minimum pumped media temperature is 5°C. The media pumped can be clean water and antifreeze suitable for a central heating system. The temperature of the environment in which the pump is installed can be at most 35°C and greater than the freezing point of the media pumped.

During operation the pump heats up or the pumped media heats up so it must not be touched there is a danger of burns.

The pumps should not be used for pumping fuel or explosive media or in an explosive atmosphere.

The permitted operating range for the pump is defined with diagrams in these instructions.

ELEKTRICAL SUPPLY

The pump is supplied by electricity (230V, 50Hz) and must be connected by suitable cable (cable equivalent to 3G 1 mm², HO5RR-F). Permanent installation must have an inbuilt device for separating both poles from the grid in which the gap between contacts in the open position is 3 mm.

HIGHEST OPERATING TEMPERATURES:

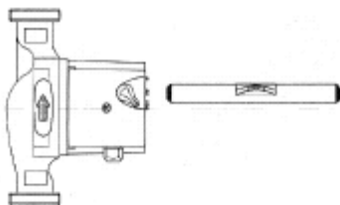
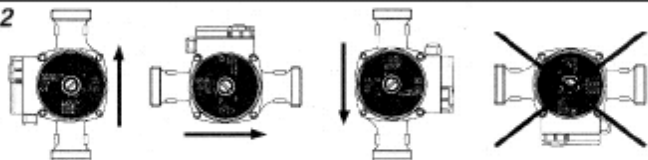
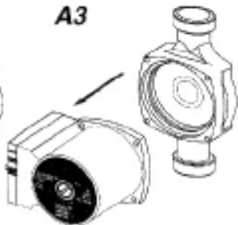
Temperature of water in the system in °C: 110 100 90

Maximum temperature of pump surroundings in °C: 35 50 60 70

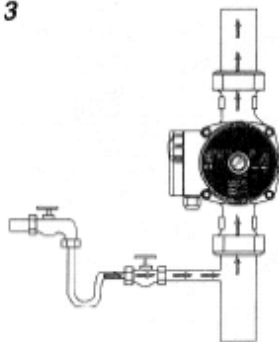
CLARIFICATION OF DIAGRAMS

- 1 PUMP AXIS MUST BE HORIZONTAL
- 2 PERMITTED POSITIONS OF BUILT-IN PUMP
- A1 PERMITTED POSITIONS OF ELECTRICAL CUPBOARD
- A2, 43, A4 METHOD OF DISSASSEMBLING THE PUMP MOTOR
- 3 THE SYSTEM AND PUMP MUST BE FILLED WITH FLUID THE PUMP IS STARTED
- 4, 5 CONNECTION OF THE PUMP TO MAINS ELECTRICS (230V 50Hz)
- 6, 7, 8 BLENDING THE PUMP
- 9 TESTING THE PUMPS ROTOR SPIN

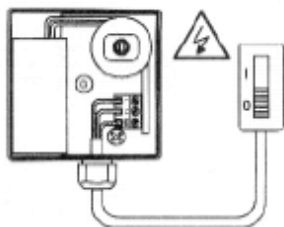
(on first starting up and after every prolonged stoppage at the start of the heating season)

1**2****A1****A2****A3****A4**

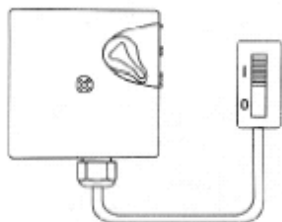
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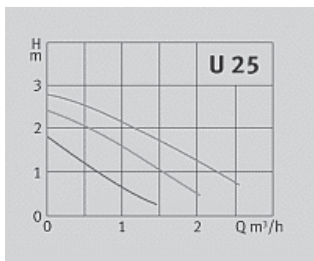
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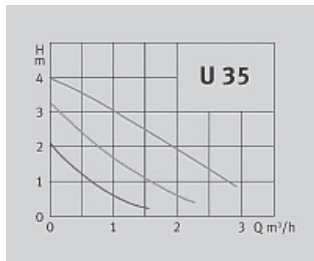
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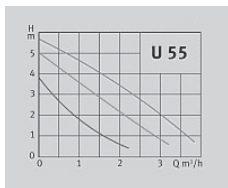
TECHNICAL INFORMATION



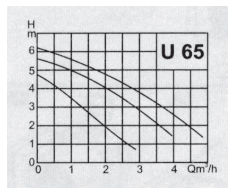
Aqua U 25	$I_n(A)$	$P_1(w)$
Speed I	0,12	28
Speed II	0,17	39
Speed III	0,20	46



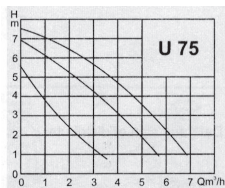
Aqua U 35	$I_n(A)$	$P_1(w)$
Speed I	0,12	28
Speed II	0,19	44
Speed III	0,27	66



Aqua U 55	$I_n(A)$	$P_1(w)$
Speed I	0,17	39
Speed II	0,27	62
Speed III	0,35	80



Aqua U 65	$I_n(A)$	$P_1(w)$
Speed I	0,21	50
Speed II	0,32	75
Speed III	0,44	100



Aqua U 75	$I_n(A)$	$P_1(w)$
Speed I	0,53	122
Speed II	0,69	159
Speed III	0,75	170

GUARANTEE CONDITIONS

This product is guaranteed by WITA Taake GmbH for a period of two years after the date of purchase against defects due faulty workmanship or materials.

The guarantee is not valid if the defect is due to accidental damage, misuse or neglect and in case of alterations or repair carried out by unauthorized persons.

Service under guarantee is only provided upon presentation of reasonable evidence (e.g completed guarantee card or purchase receipts) that date of the claim is within the guarantee period.

Date of signature 30.09.2016

Date and sign of distributor *Franz Kestler*

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