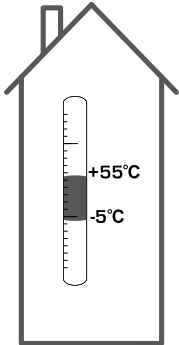


ESBE SERIES ARA600 Prop



Series ARA639
Series ARA659

CE
LVD 2006/95/EC
EMC 89/336/EEC
RoHS 2002/95/EEC



i



VRG, VRB, VRH

3MG, 4MG



3G, 4G

3F, 4F ≤ DN50

3HG, 4HG, 3H, 4H

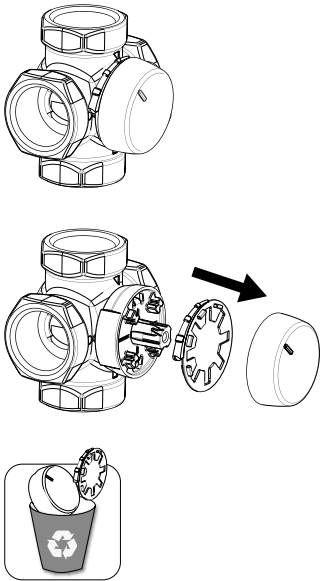


BIV

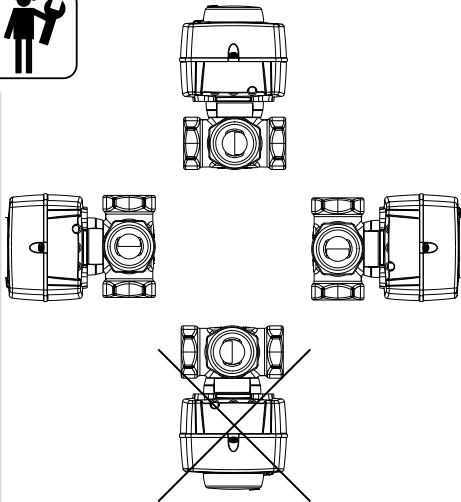
T, TM

VRC160

1



2

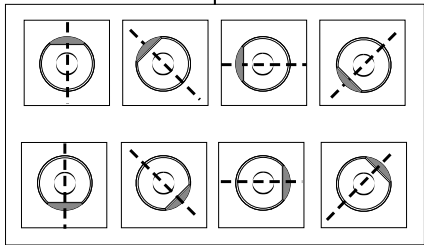
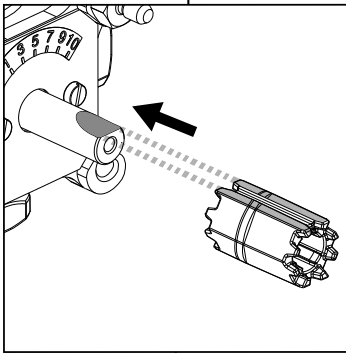
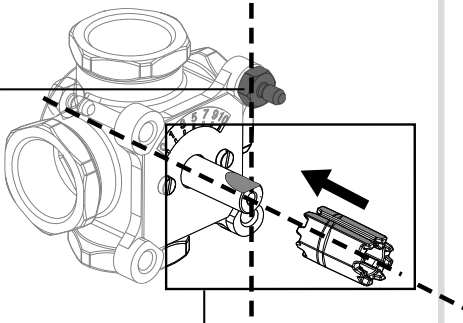


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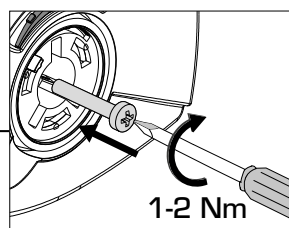
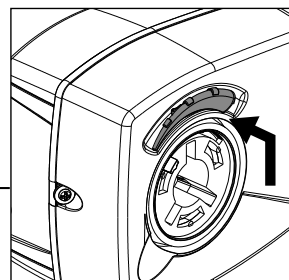
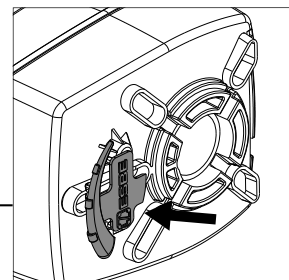
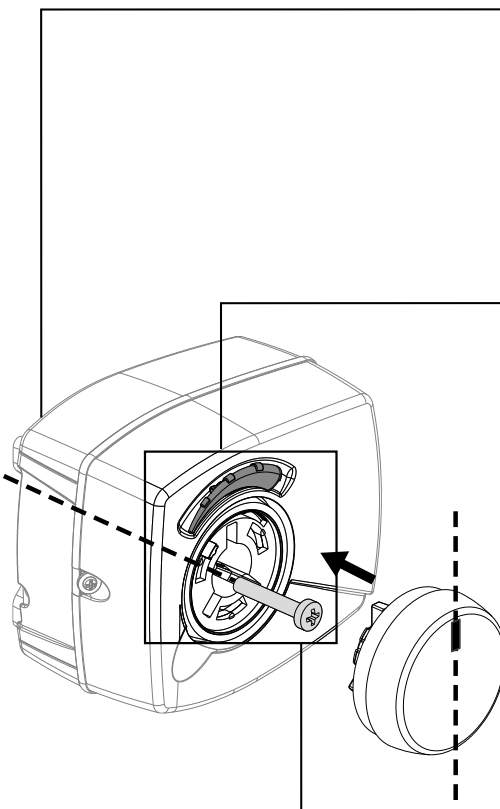
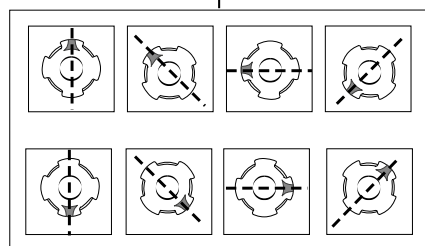
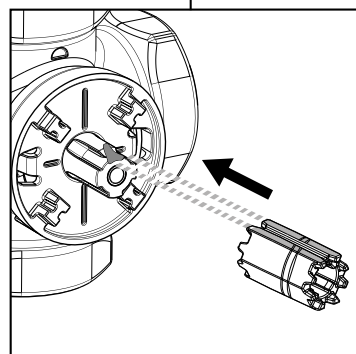
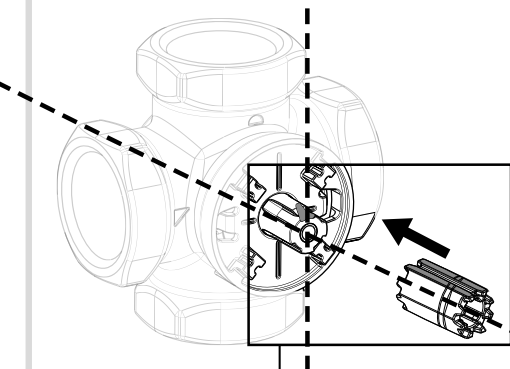
Series MG, G, F, H, HG, BIV, T, TM

	DN15-25	
	DN20-40	
	DN50	
	DN20-25	
	DN32-50	
	H: DN25	
	H: DN32-50	
	HG: DN25	
	DN20-22	
	DN25	
	T: DN20-32	
	TM: DN20	



Series **VRGxxx**, **VRBxxx**, **VRHxxx**

Series **VRCxxx**



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Mtrl.nº: 9814 02 76 • Rlt.nº: 8082 Vers. K • Rev. 1909

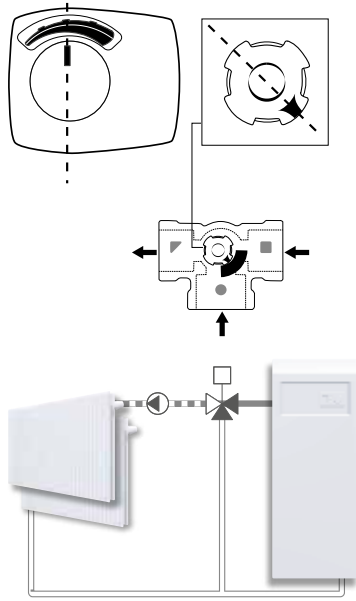


SERIES ARA600 Prop

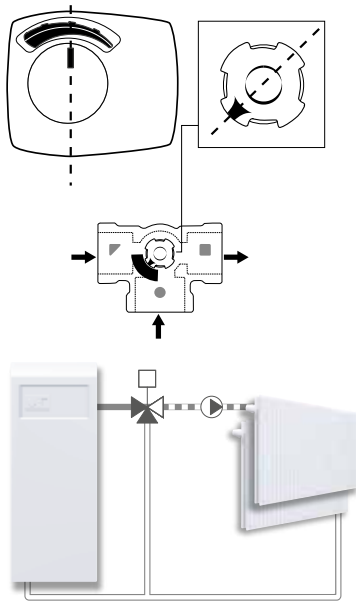
ESBE®

SERIES VRG130

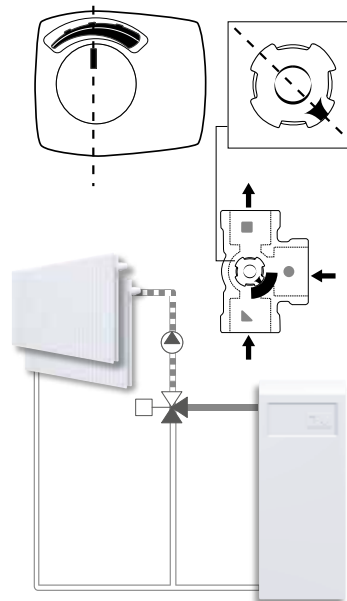
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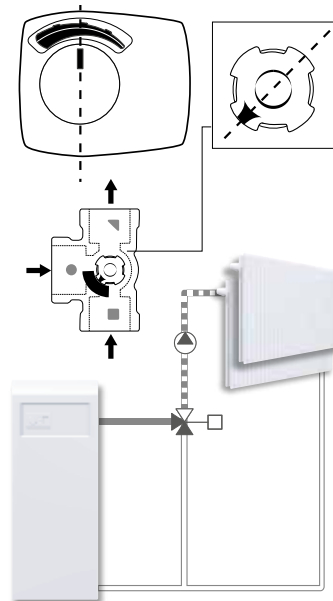
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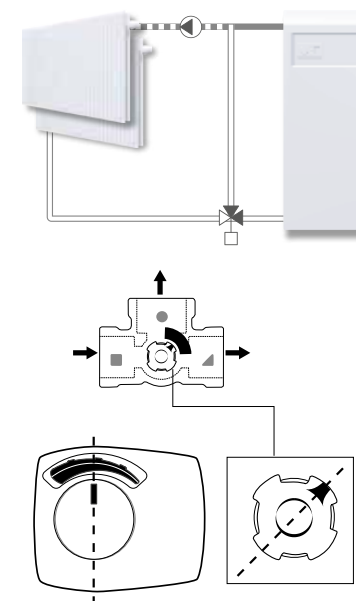
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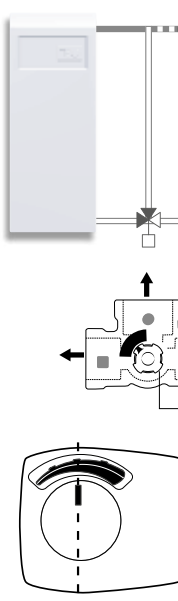
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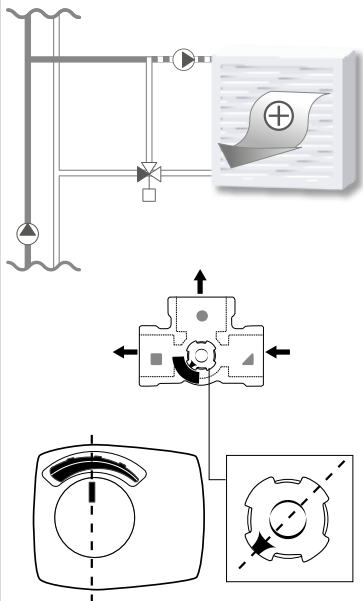
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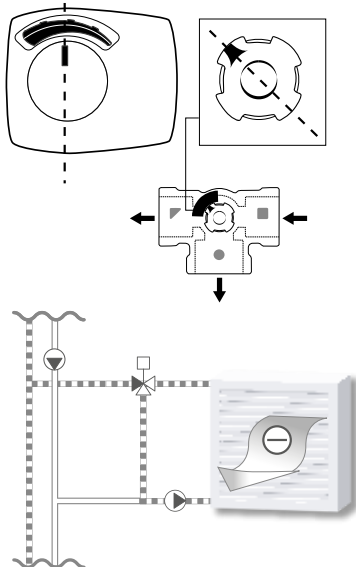
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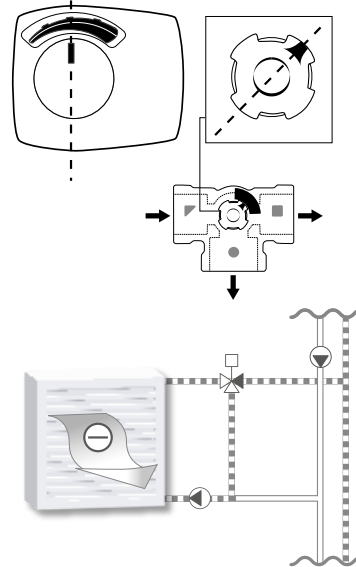
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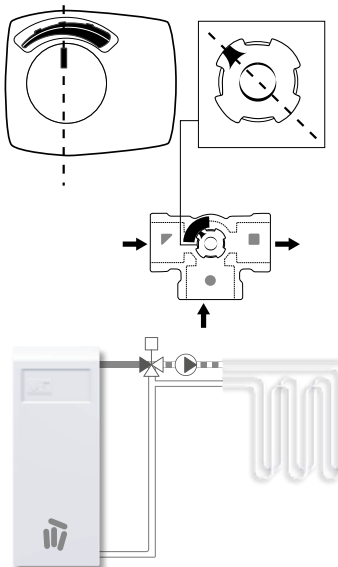
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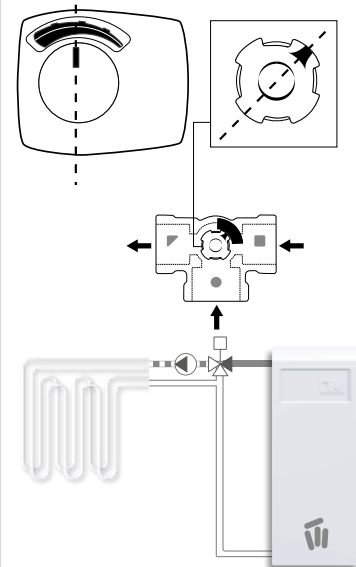
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o



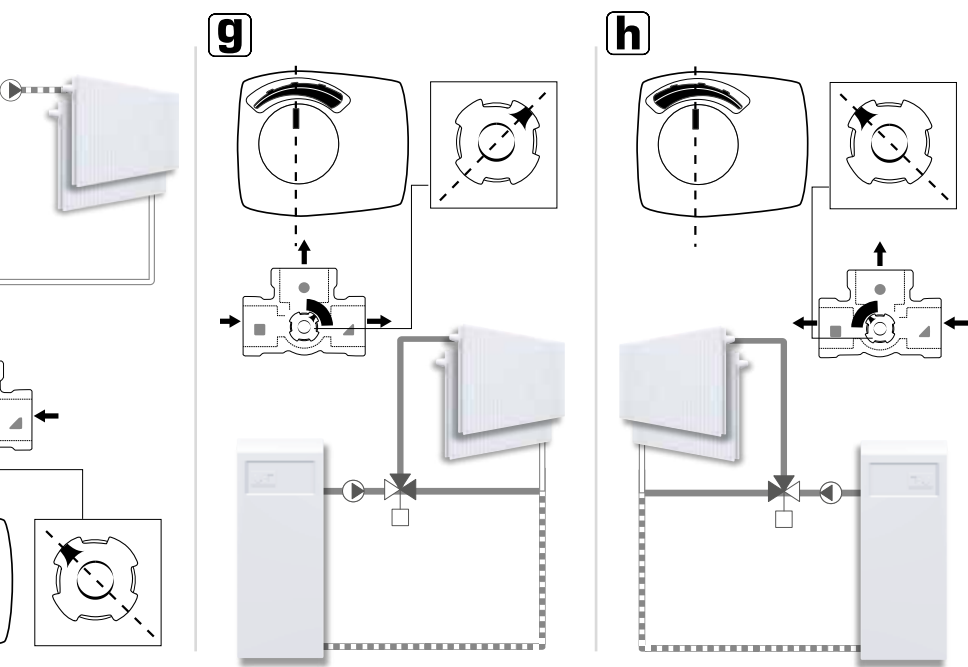
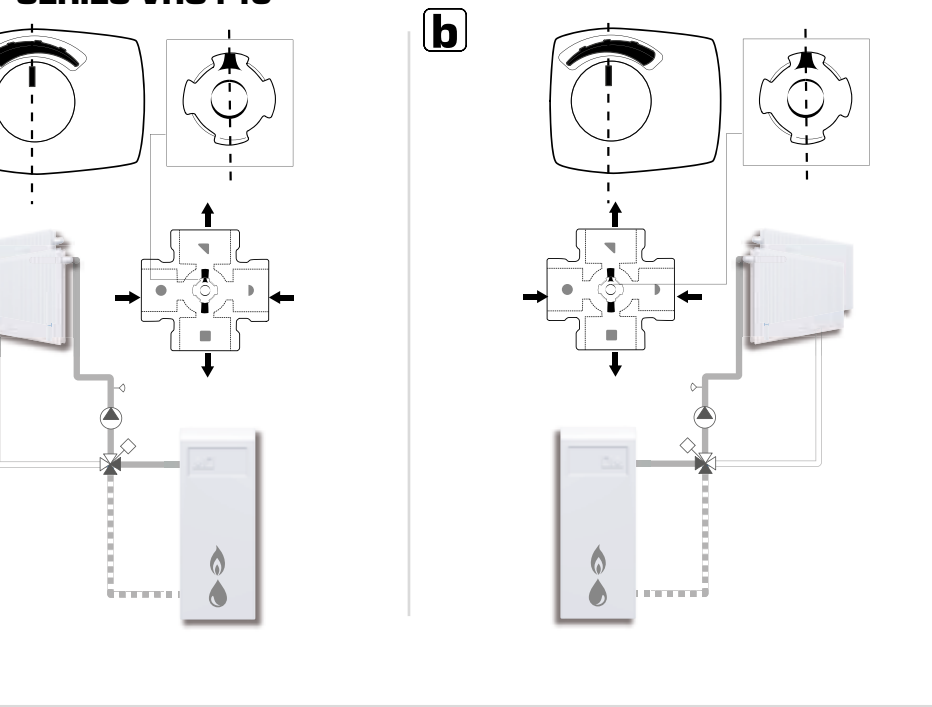
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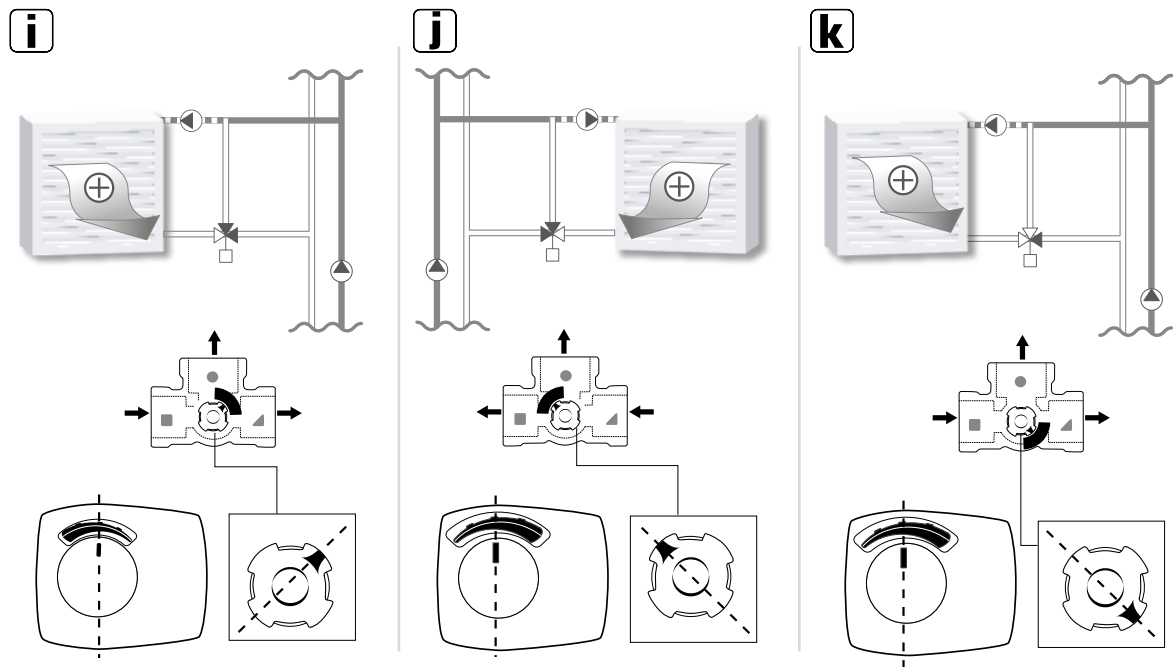
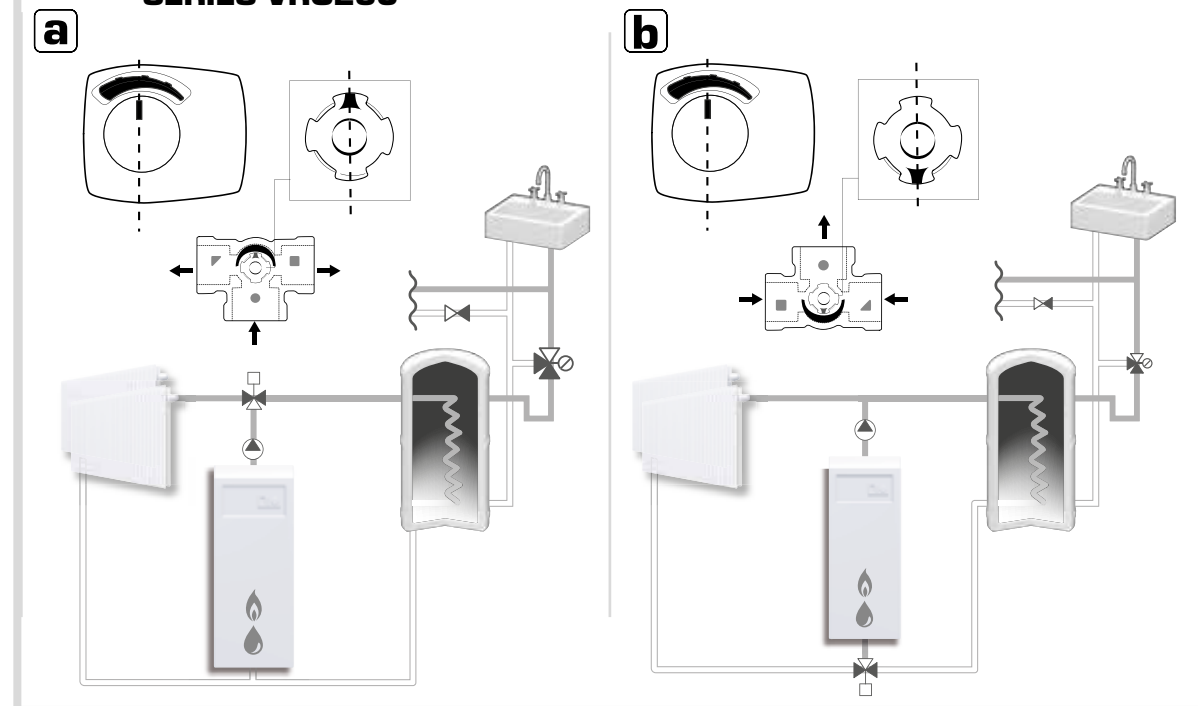
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SERIES VRG140

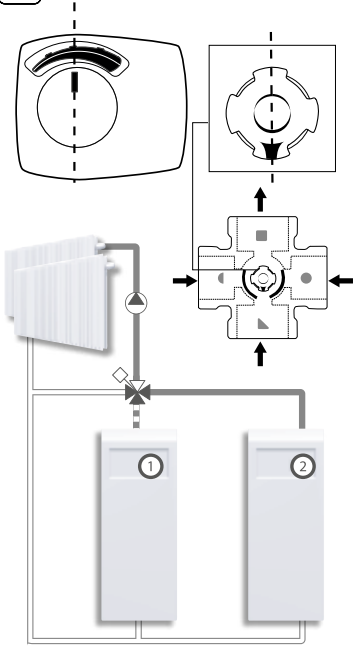


SERIES VRG230

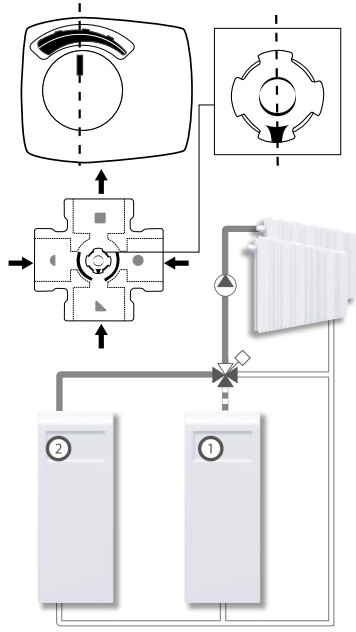


SERIES VRB140

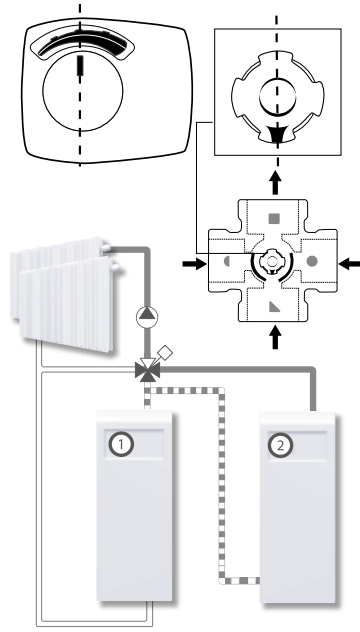
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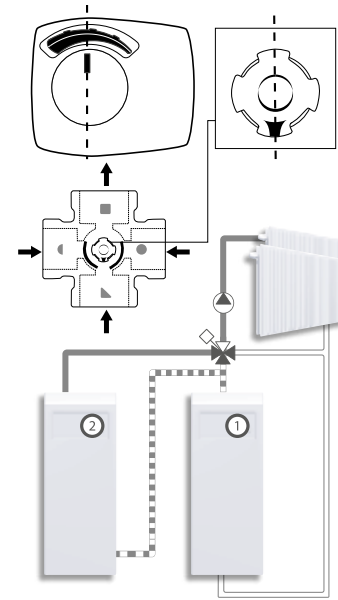
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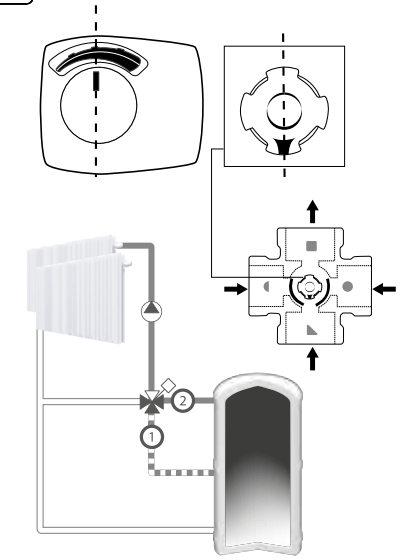
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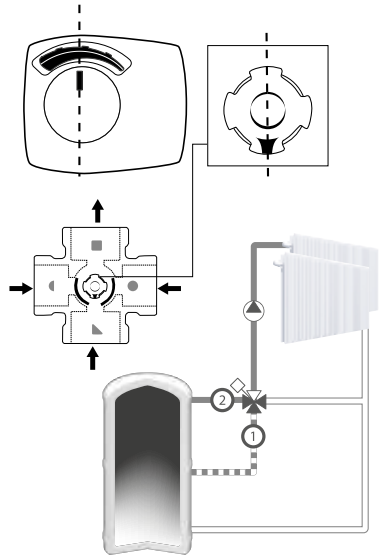
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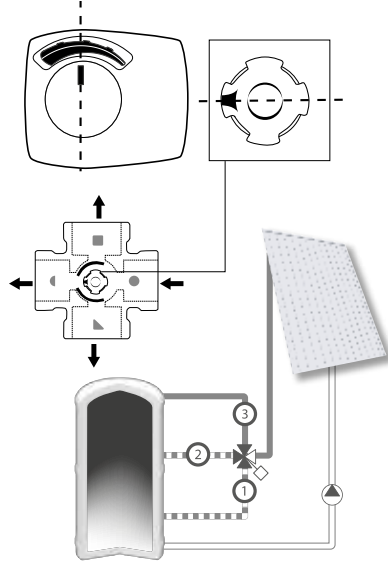
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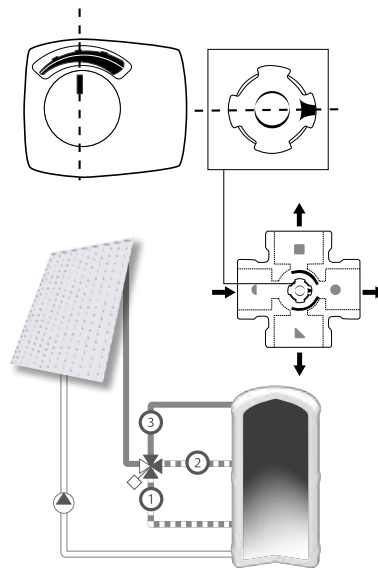
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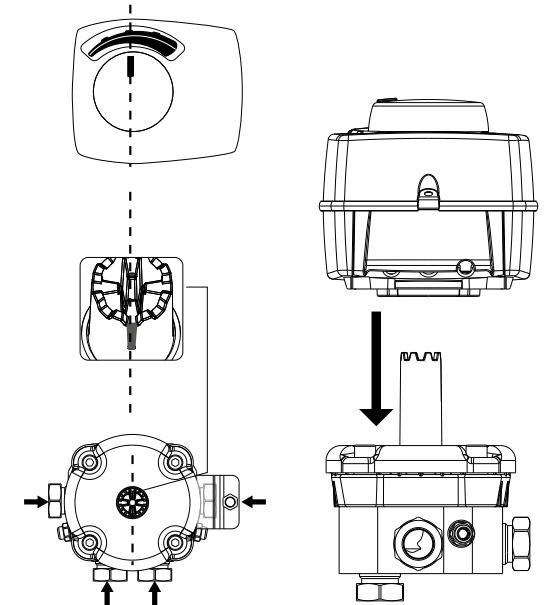
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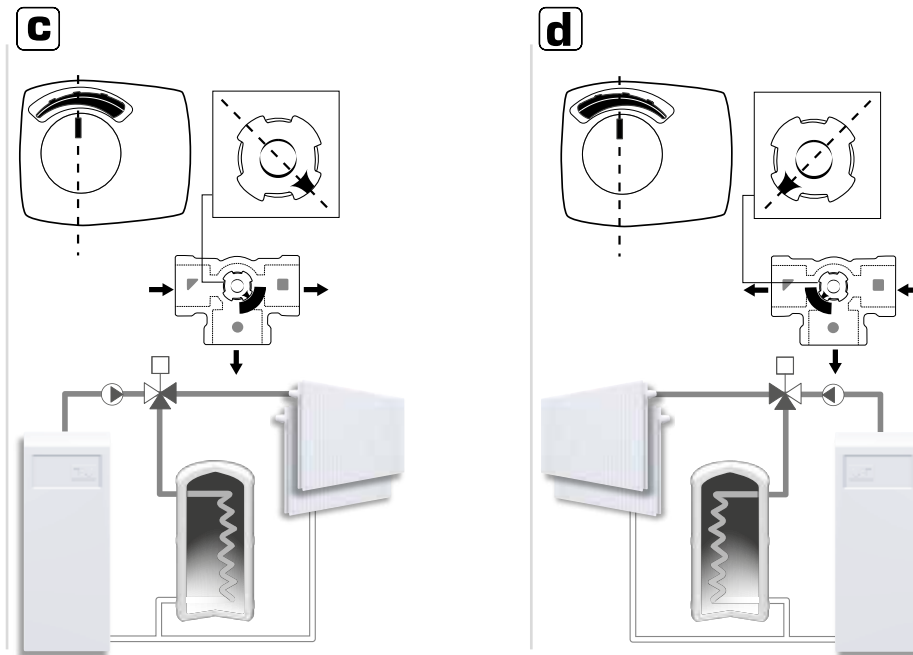
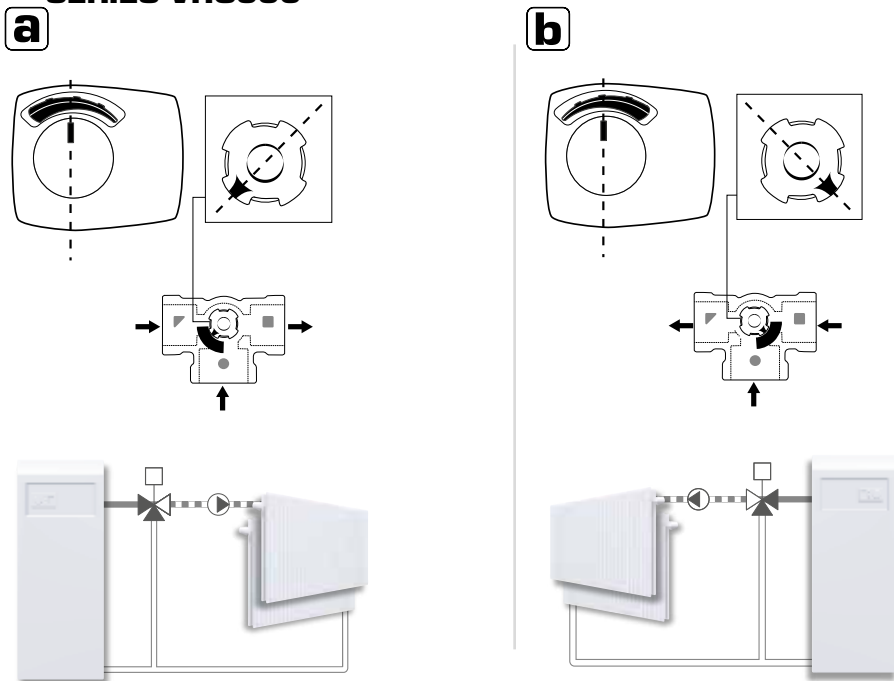


SERIES VRC160



Piping Schematics are General Representations

SERIES VRG330



We would like to pinpoint to the existence of a German patent DE 19821256C5 affecting the usage of bivalent 4-way valves in liquid circulation heating systems. In this patent the usage of a 4-way bivalent valve in a type of heating system is protected, in which 2 different heating circuits are operated in parallel, where the return of the first circuit is utilized as heat source for the second circuit. This patent is owned by the company Vötsch Heiztechnik GmbH. We hereby declare that our product VRG330 is not designed for the floor heating in a regulated manner, is heated through its heat source and the return from the primary heat circuit utilized as alternative secondary heat source for the floor heating. Such a utilization of our bivalent 4-way valve without approval of the patent holder is forbidden. All other applications our product group VRG are without restrictions possible.

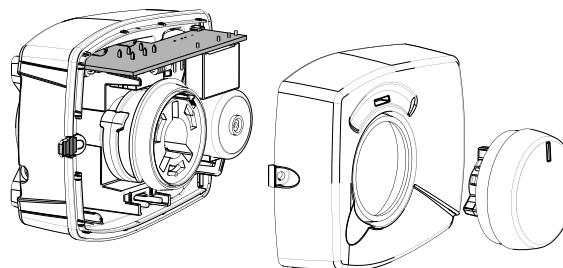
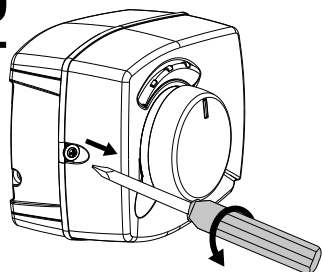
4



1



2





Series ARA639

3/U

3/I

4/U

ON

120s 60s 30s 15s

0-10V 0-20mA 2-10V 4-20mA

Y

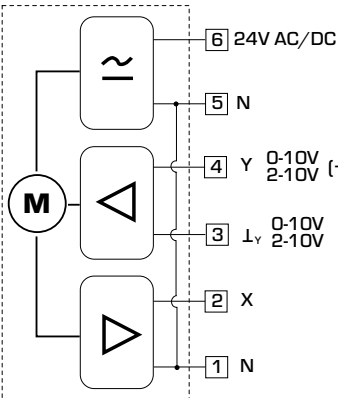
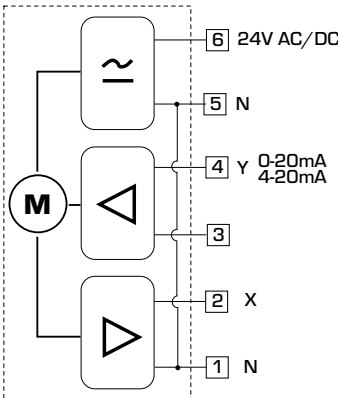
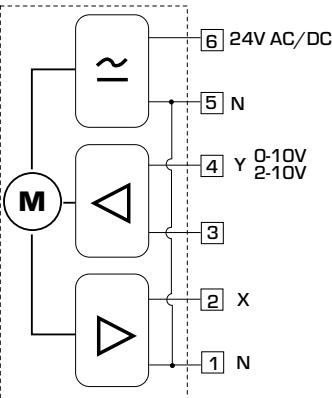
ON

SEQ

CW CCW

WAVEFORMS

1 2 3 4 5 6 7 8



ON

120s 60s 30s

OFF

ON

ON

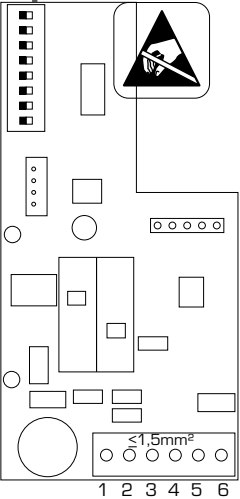
CW CCW

OFF

OFF

1 2 3 4 5 6 7 8

SEQ Cntrl



ON

120s 60s 30s 15s

2-10V 4-20mA

Y

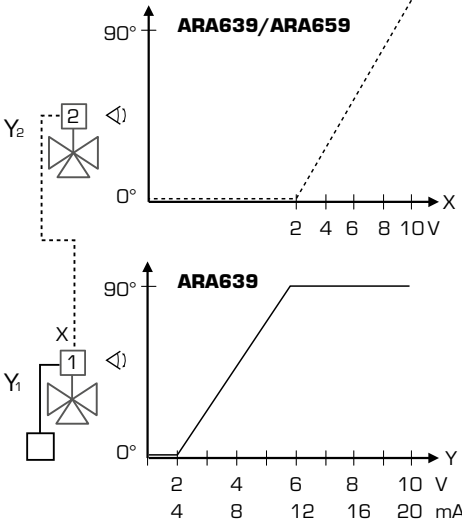
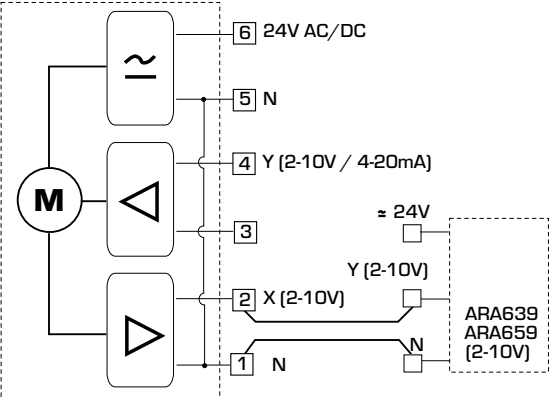
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SEQ

CW CCW

WAVEFORMS

1 2 3 4 5 6 7 8

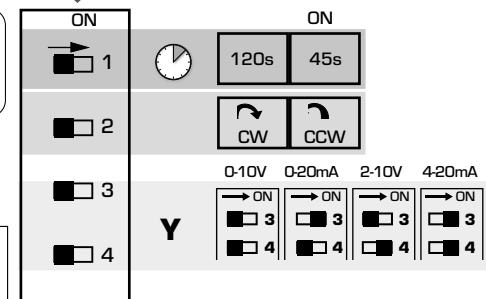
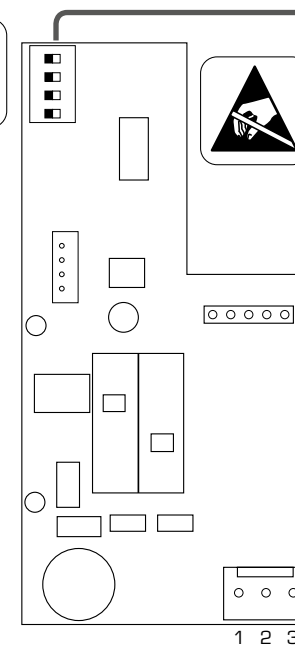
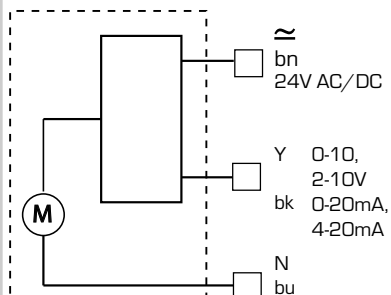
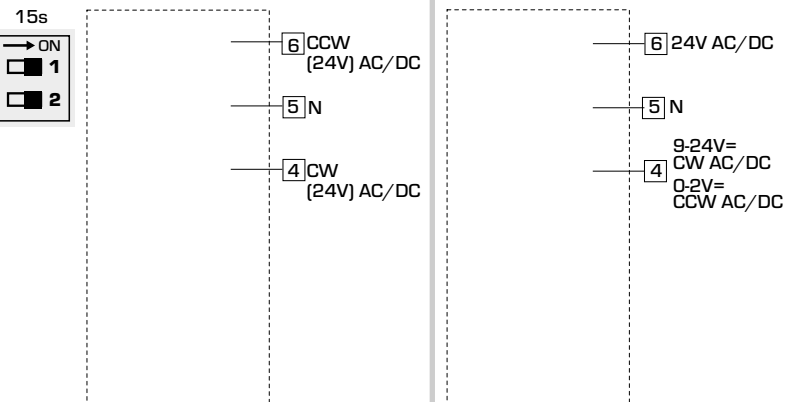


Series ARA659



3-point

2-point



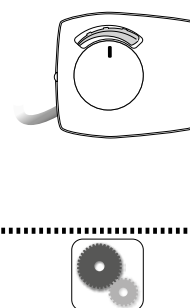
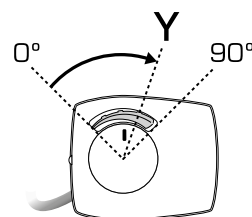
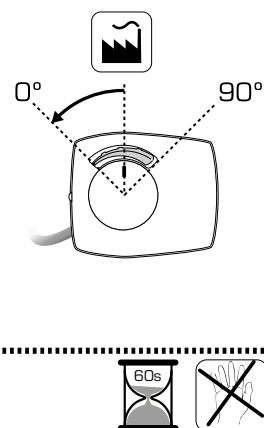
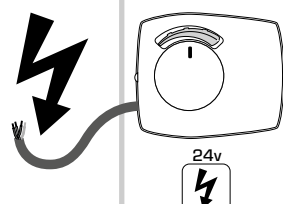
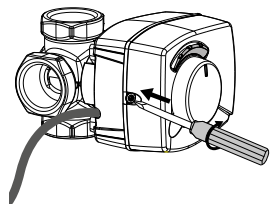
5



1

2

3



2

1

