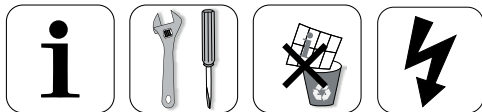


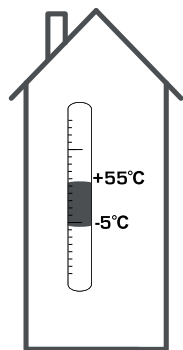
ESBE SERIES ARA600 3-Point



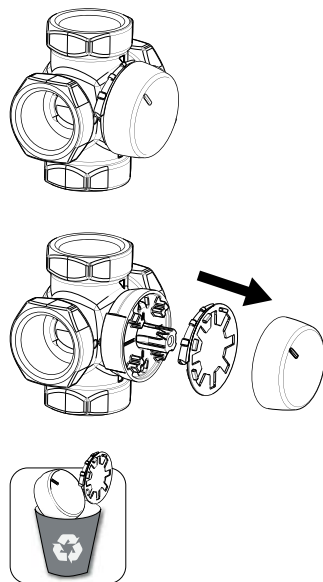
Series ARA6x1
Series ARA6x2
Series ARA6x3
Series ARA6x4

CE

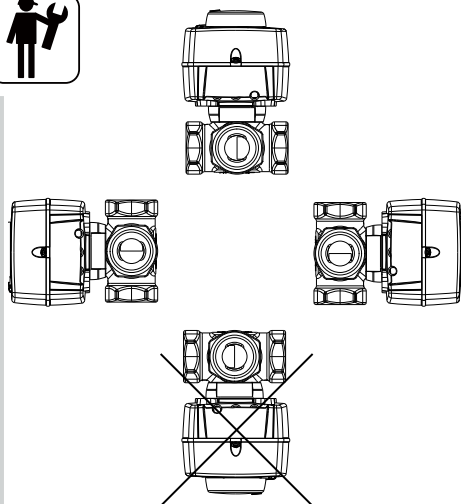
LVD 2006/95/EC
EMC 2004/108/EC
RoHS 2011/65/EC



1



2

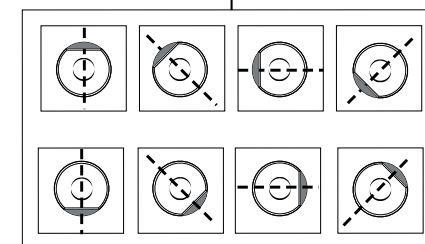
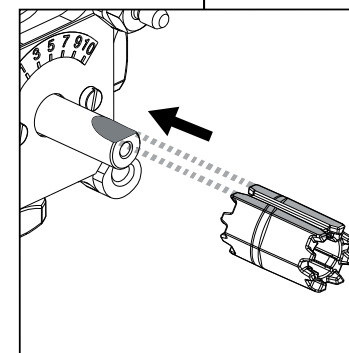
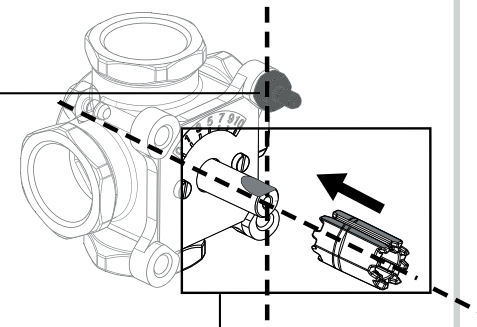


3



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	



i



VRG, VRB, VRH

3MG, 4MG



3G, 4G

3F, 4F ≤ DN50

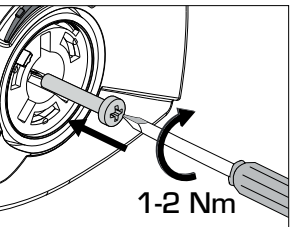
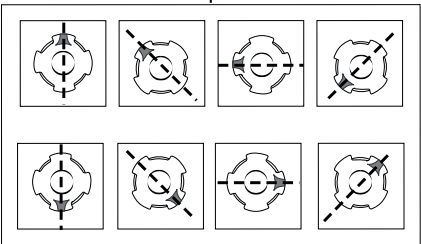
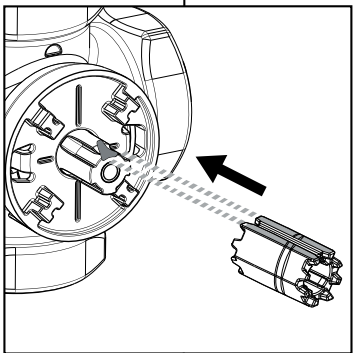
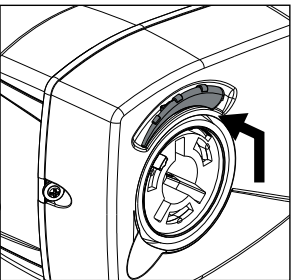
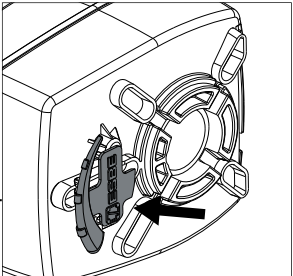
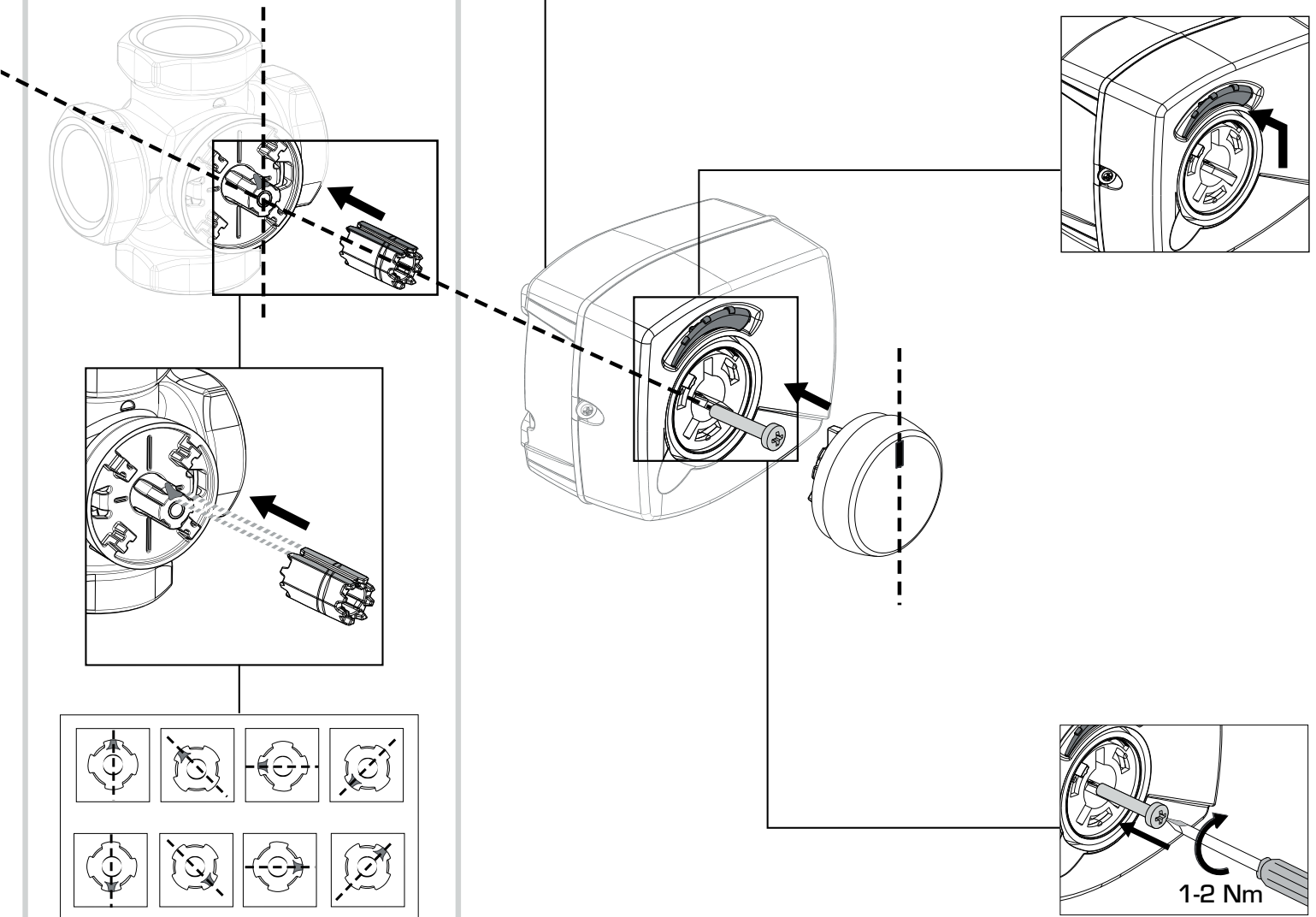
3HG, 4HG, 3H, 4H



BIV

T, TM

**VRG130, VRG140, VRG230,
VRG330, VRB140, VRH130**



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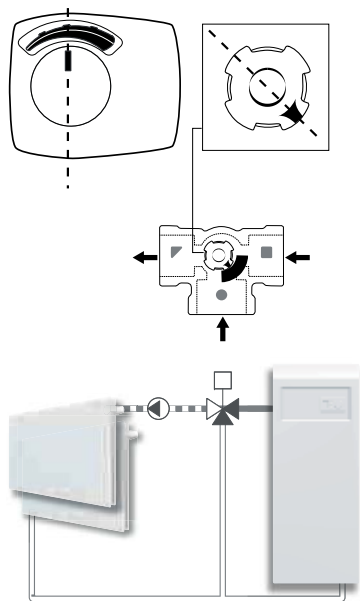
SERIES ARA600 3-Point

ESBE®

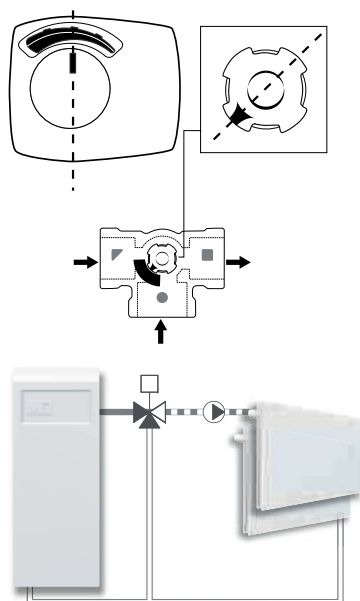
NO.1 IN HYDRONIC SYSTEM CONTROL

SERIES VRG130

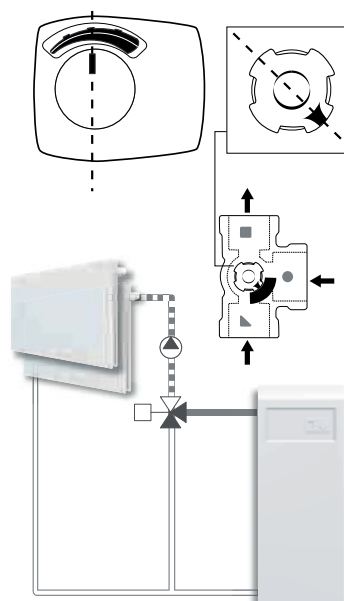
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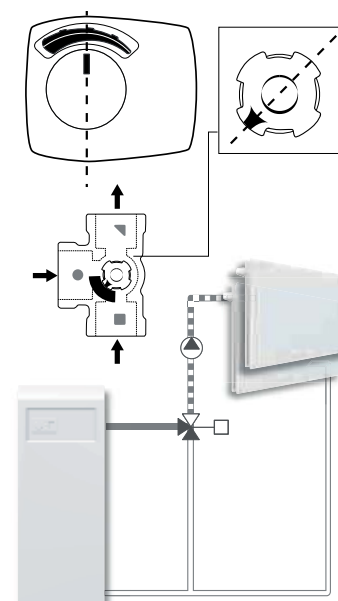
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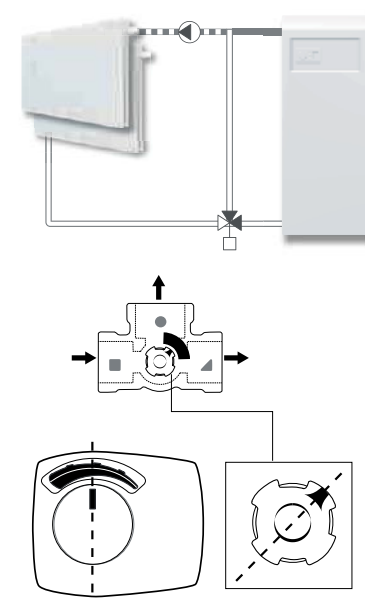
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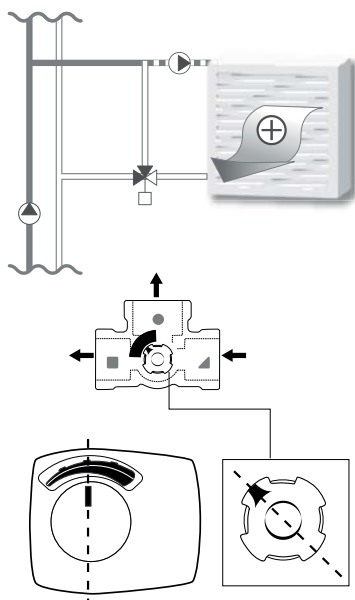
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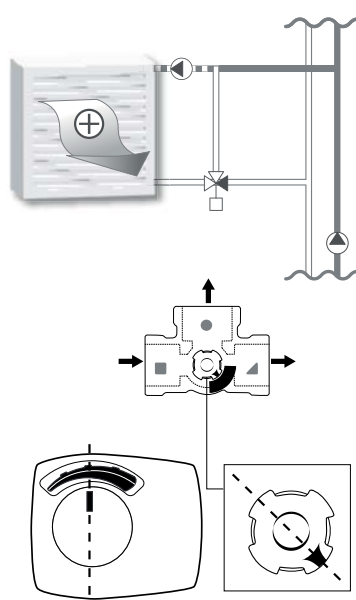
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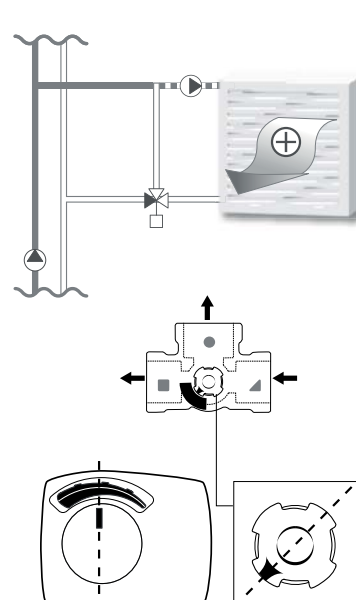
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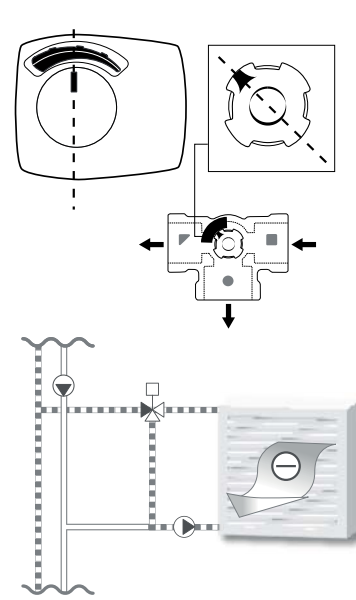
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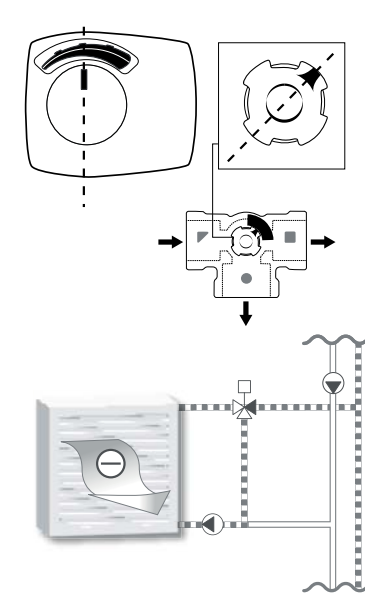
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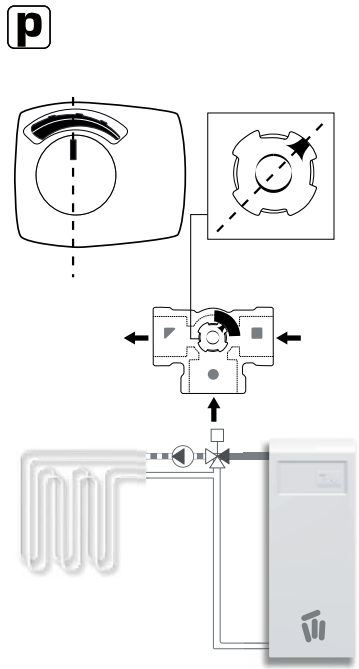
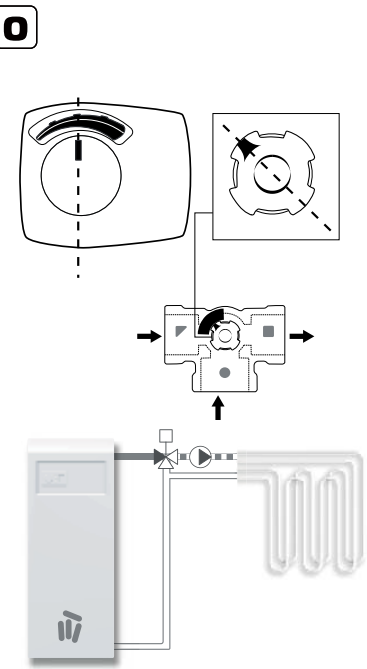
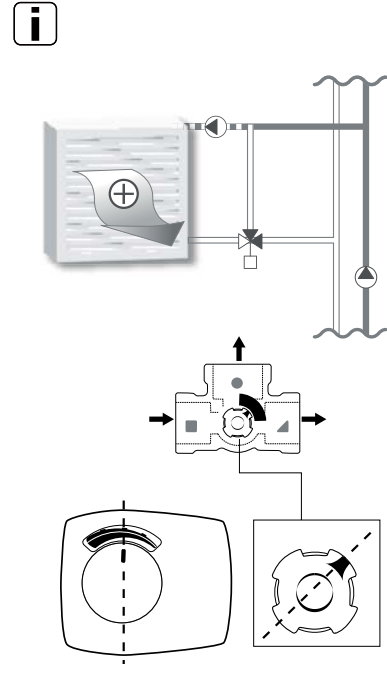
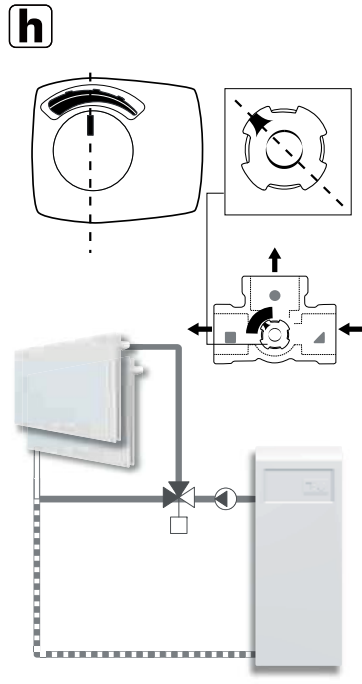
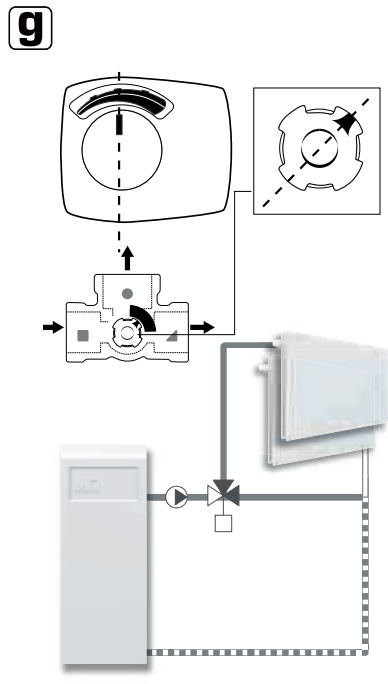
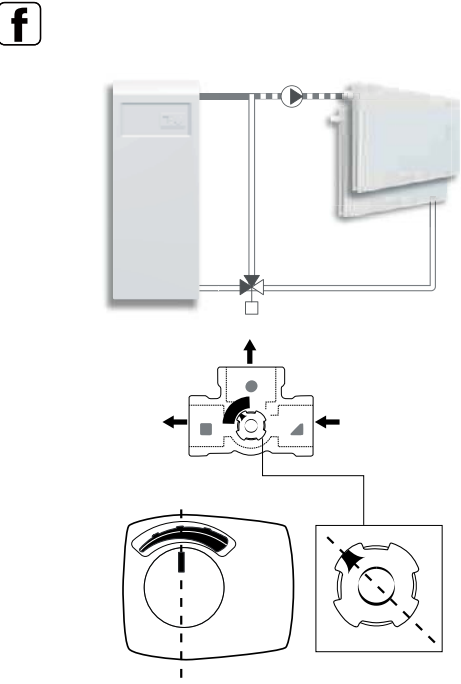


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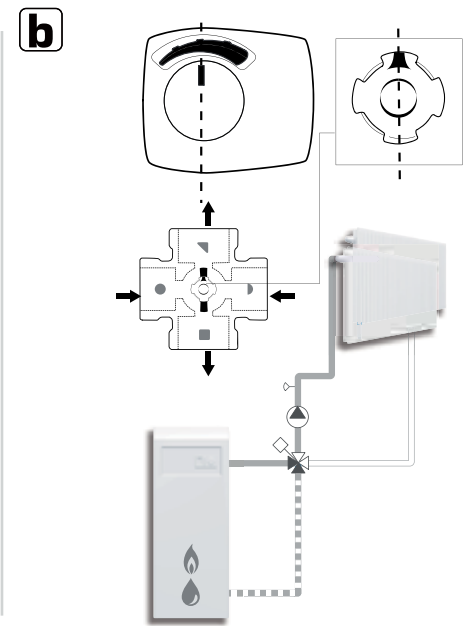
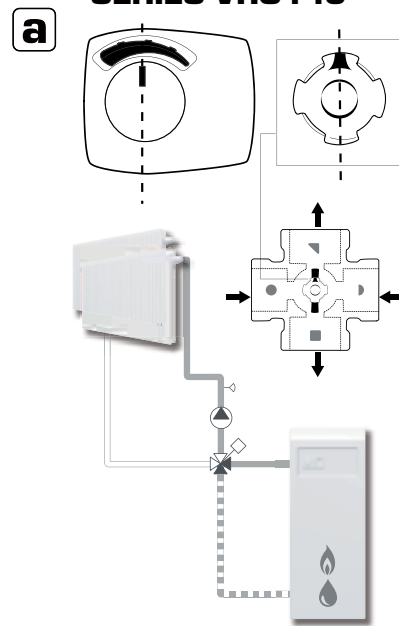


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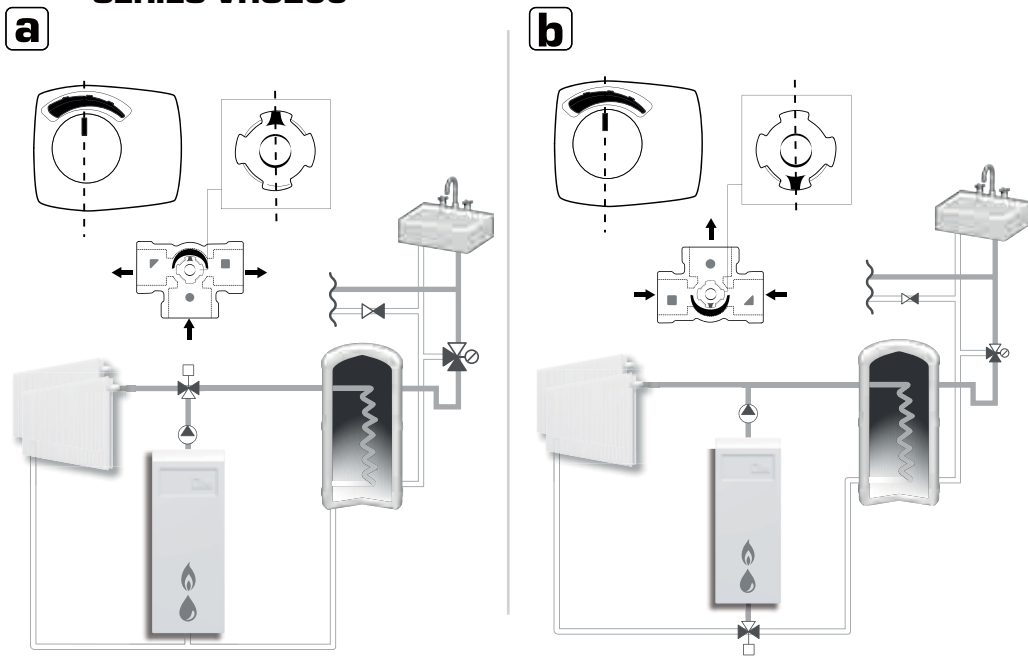




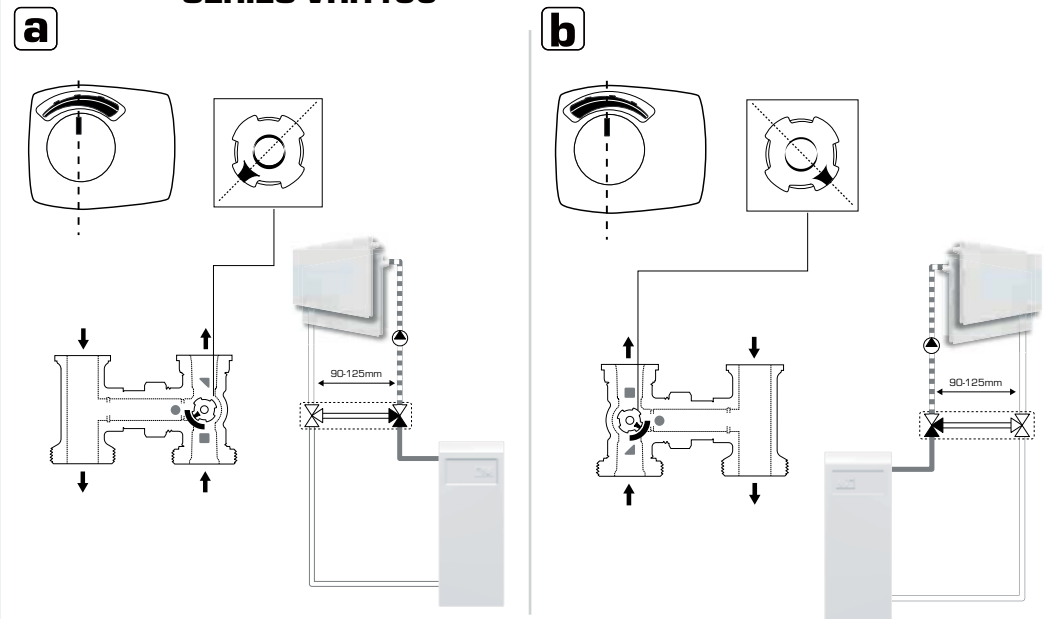
SERIES VRG140



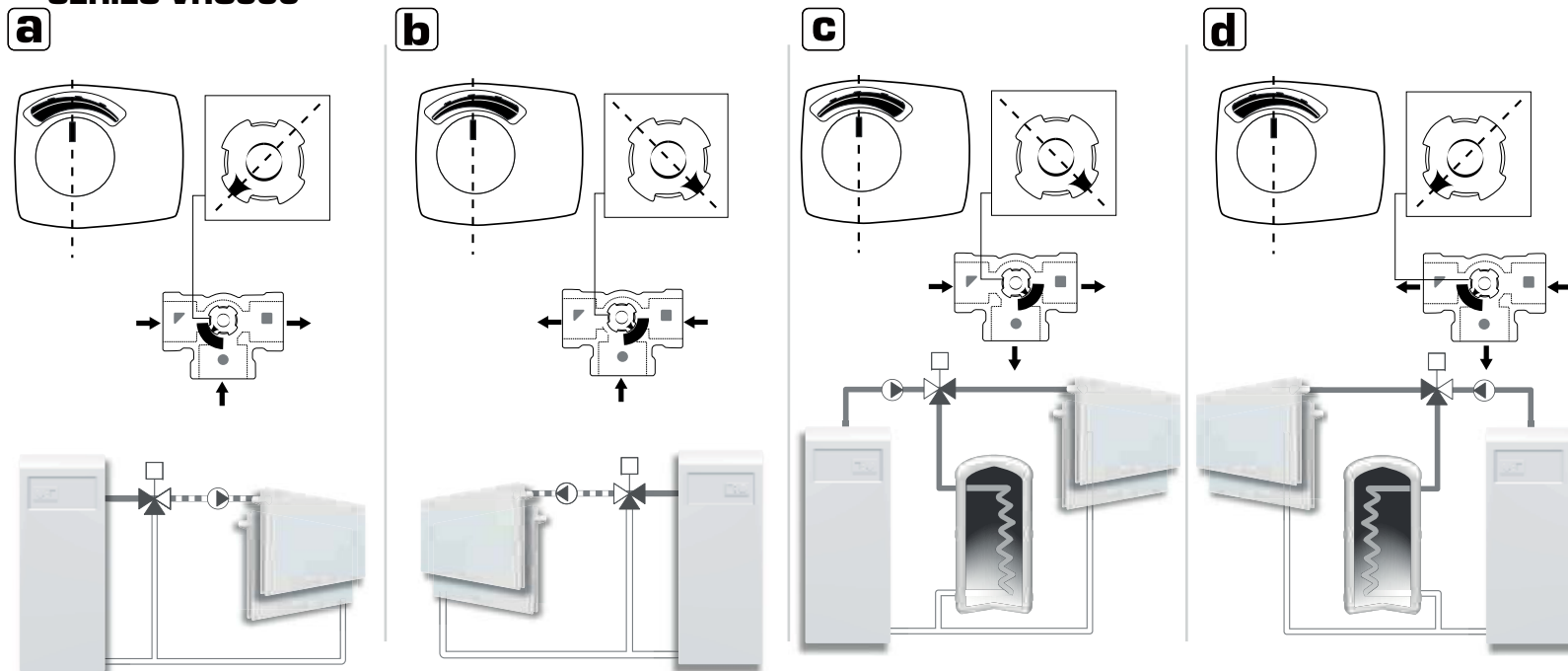
SERIES VRG230



SERIES VRH130

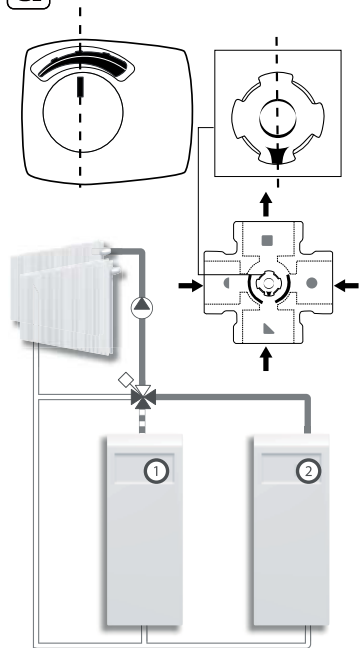


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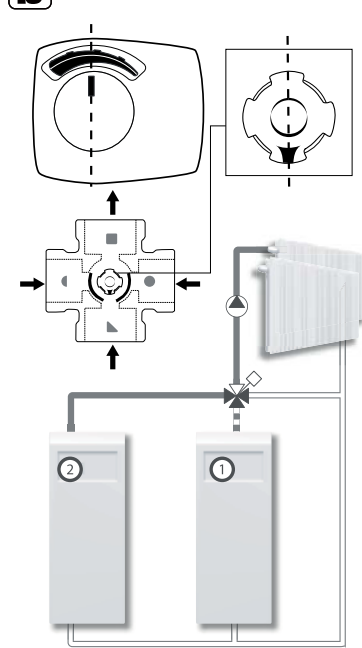


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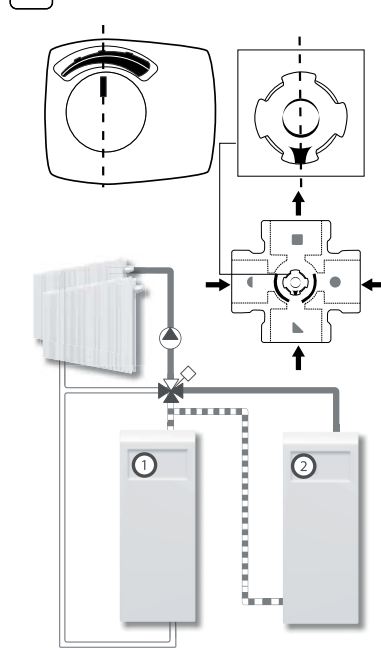
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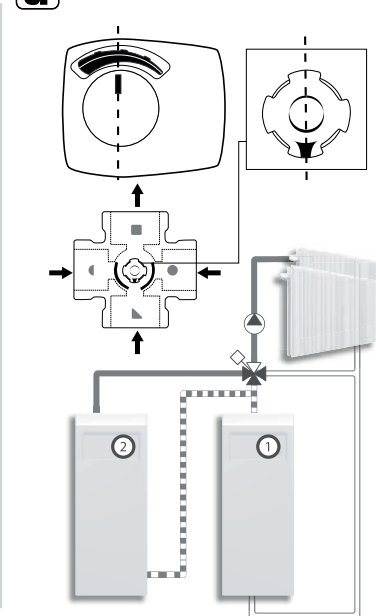
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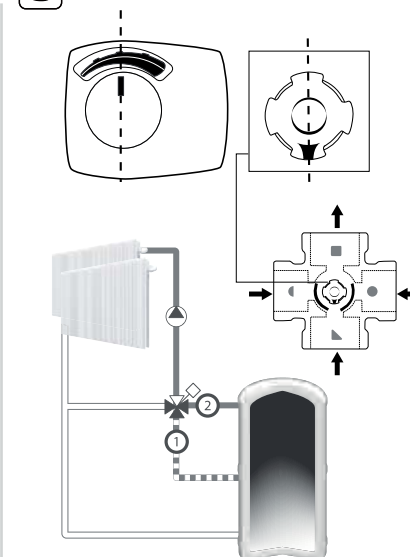
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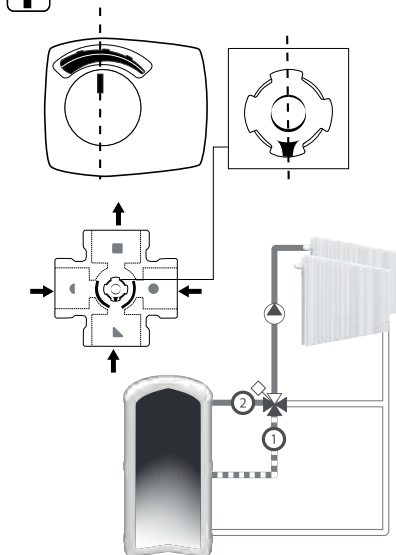
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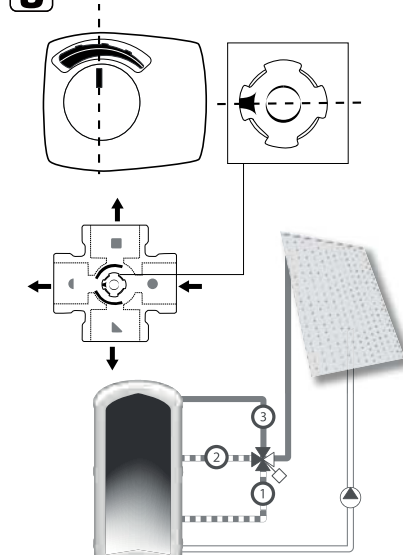
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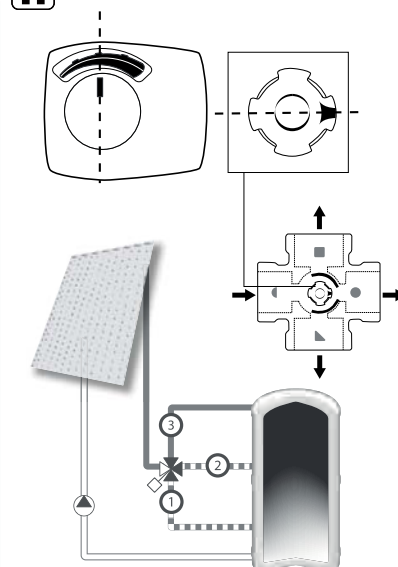
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g



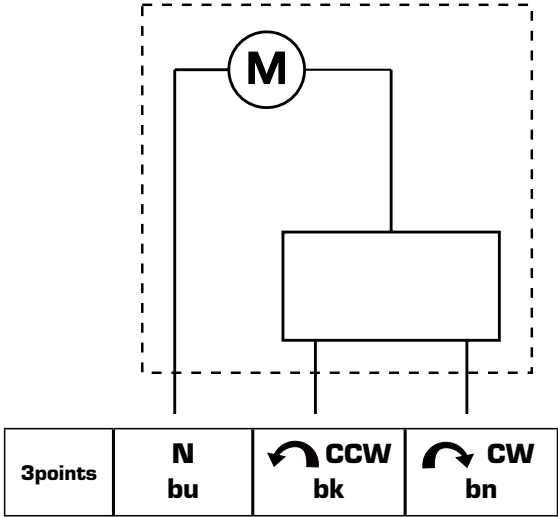
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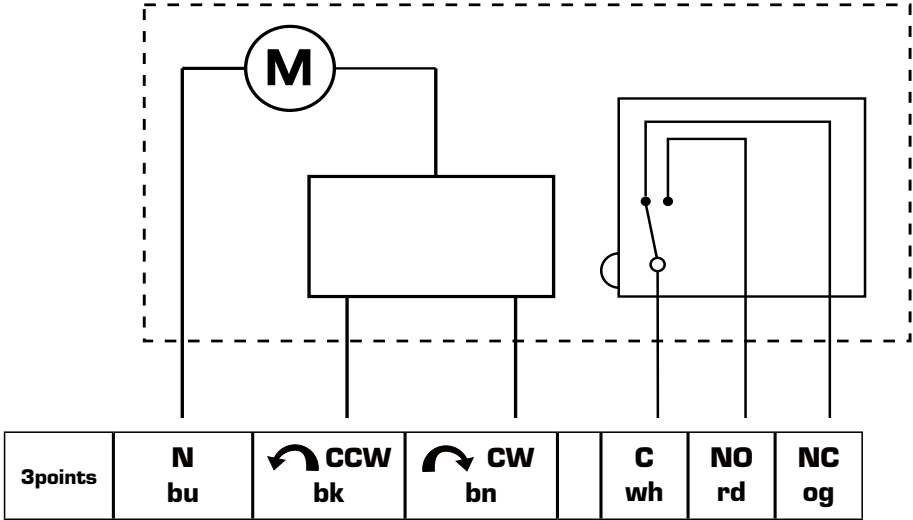
"We would like to pinpoint to the existence of a German patent DE 19821256C5 affecting the usage of bivalent 4-way valves in liquid circulation heating systems. In this patent the usage of a 4-way bivalent valve in a type of heating system is protected, in which 2 different heating circuits are operated in parallel, where the return of the first circuit is utilized as heat source for the parallel second heat circuit. A typical application would be a primary heat circuit with a heat source and a parallel floor heating, where the floor heating in a regulated manner is heated through its heat source and the return from the primary heat circuit is 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 VRB are without restrictions possible."



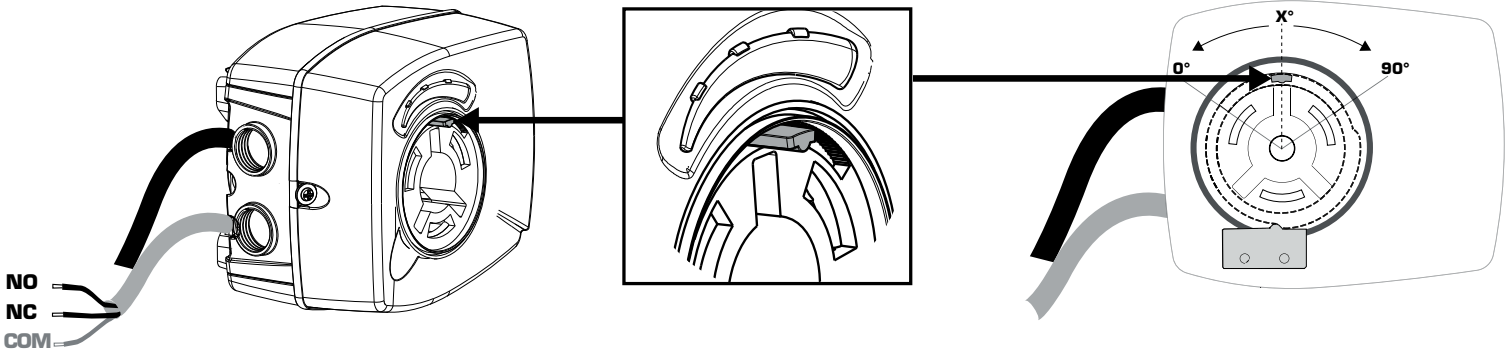
Series ARA6x1, ARA6x3



Series ARA6x2, ARA6x4



Series ARA6x2, 6x4



	0° - (90° - x°)	(90° - x°) - 90°
NO		
NC		
	X° = 45°	



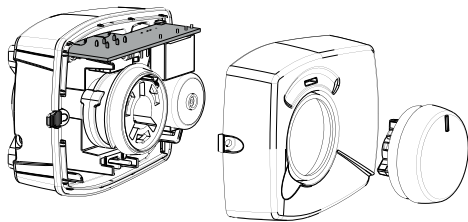
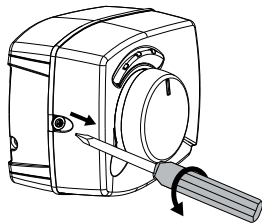
Series ARA69x



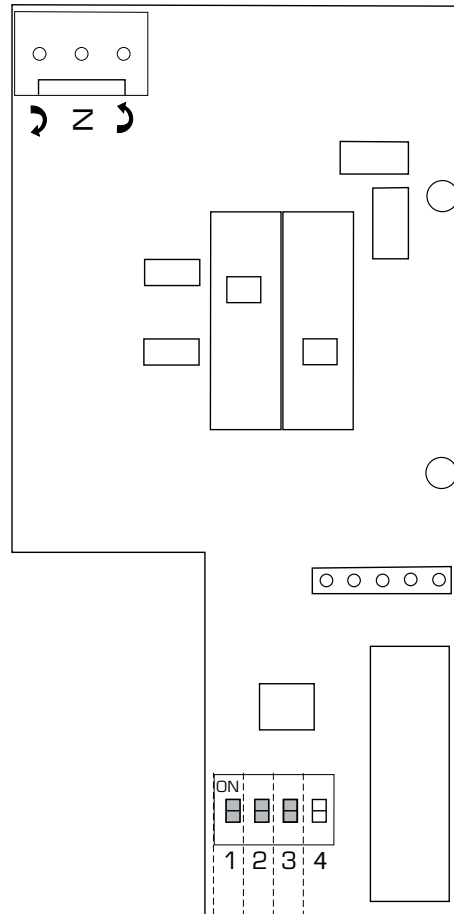
1



2



ON				
1	2	3	4	



ON				
1	2	3	4	

3				
-		0,5s		
ON		1s		

1	2			
-	-			120s
-	ON			240s
ON	-			480s
ON	ON			1200s

