



# Oras Signa

Installation and maintenance guide







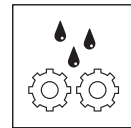
4



5-8



9,19-20



10-17



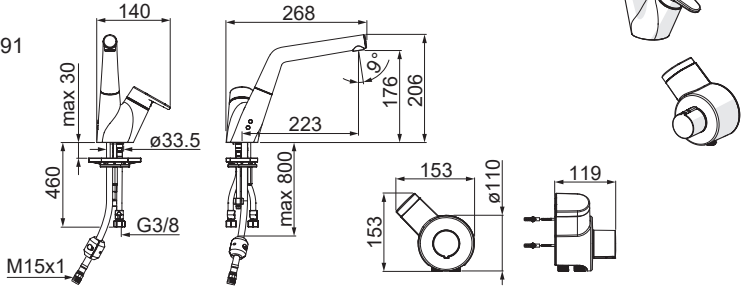
18



## 2222F

I (ISO 3822) Oras lab.  
 EN 817, EN 1111, EN 15091  
 100 - 1000 kPa  
 0.15 l/s (300 kPa)  
 135 kPa (0.1 l/s)  
 max. +70°C

IP 55  
 AA 1.5 V Lithium x 2

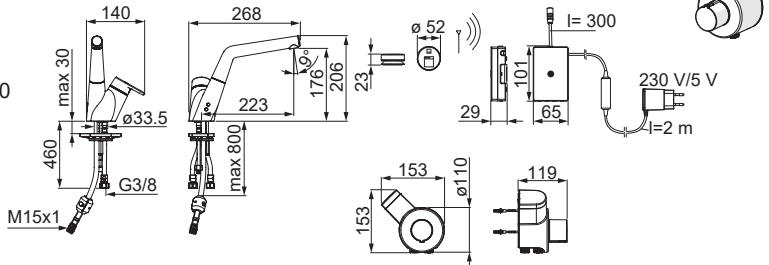


CE (EMC 2014/30/EU , 2011/65/EU)

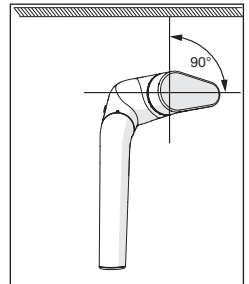
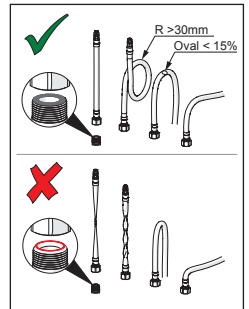
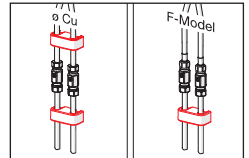
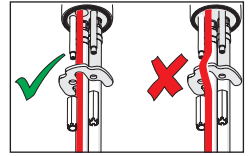
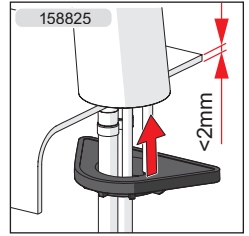
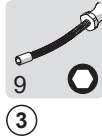
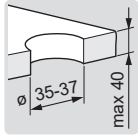
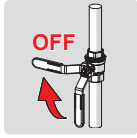
## 2227F

I (ISO 3822) Oras lab.  
 EN 817, EN 1111, EN 15091  
 100 - 1000 kPa  
 0.15 l/s (300 kPa)  
 135 kPa (0.1 l/s)  
 max. +70°C

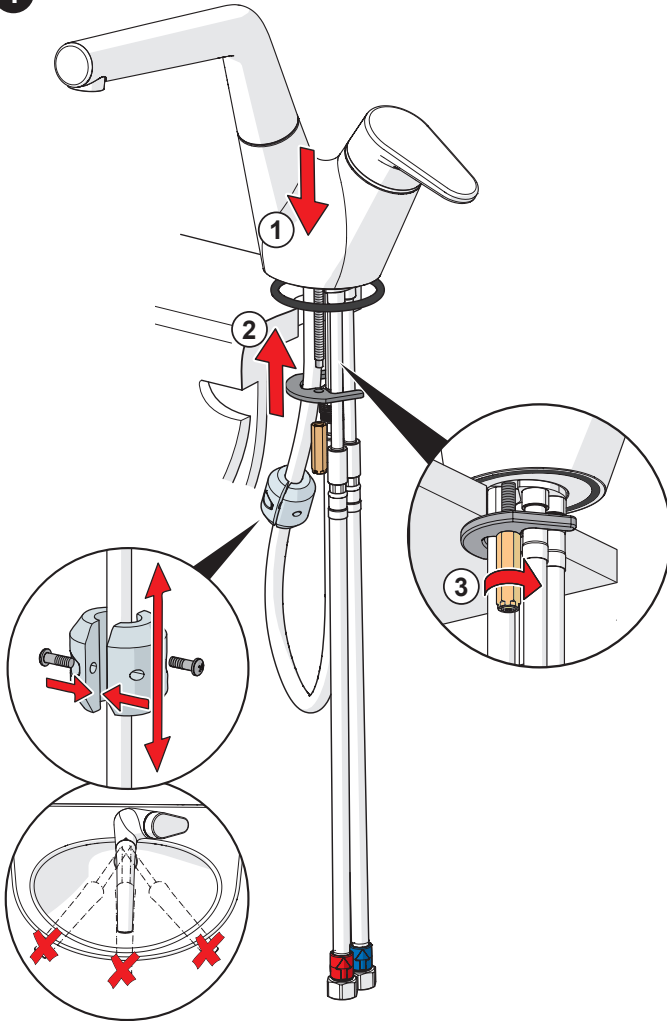
IP 54 / transformer IP 20  
 230 / 5 V  
 AA 1.5 V Lithium x 2,  
 CR 2450 3 V



CE (EMC 2014/30/EU , 2014/35/EU ,  
 2011/65/EU)



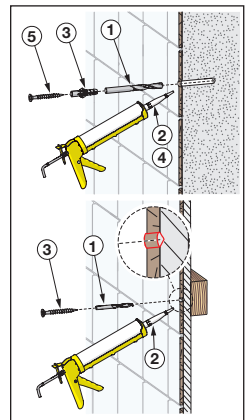
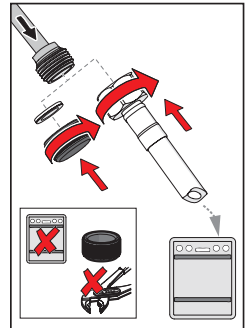
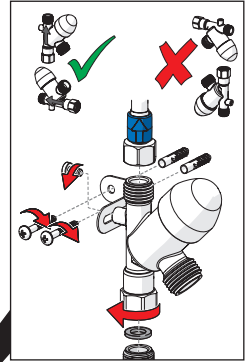
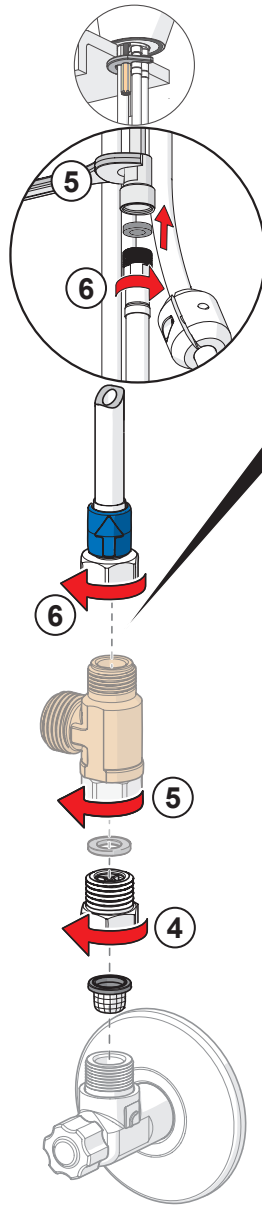
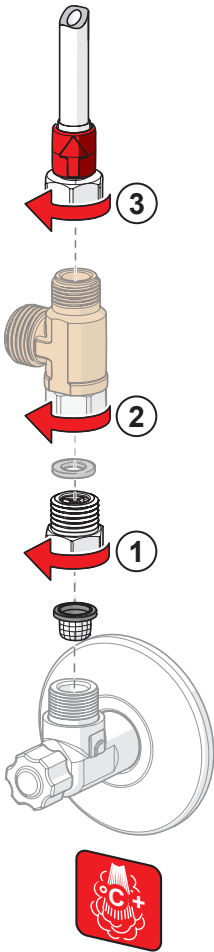
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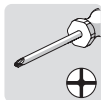




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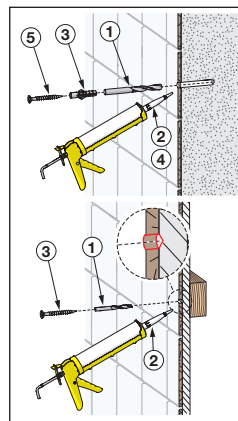
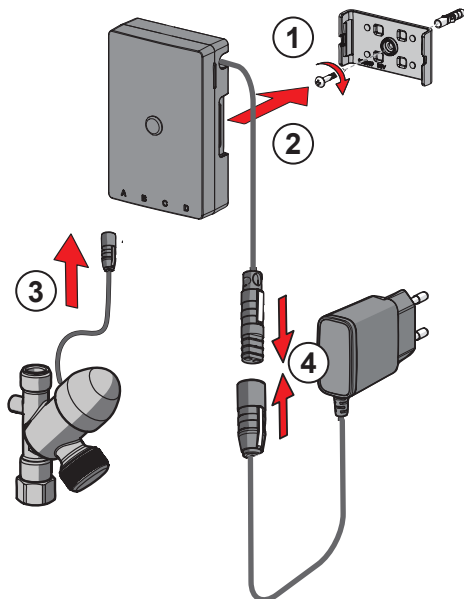
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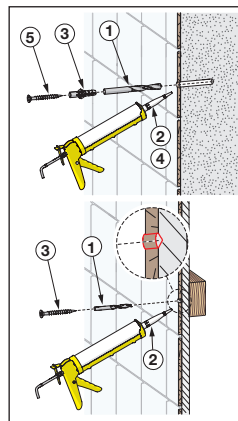
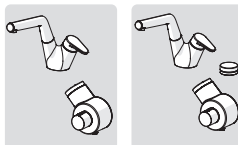
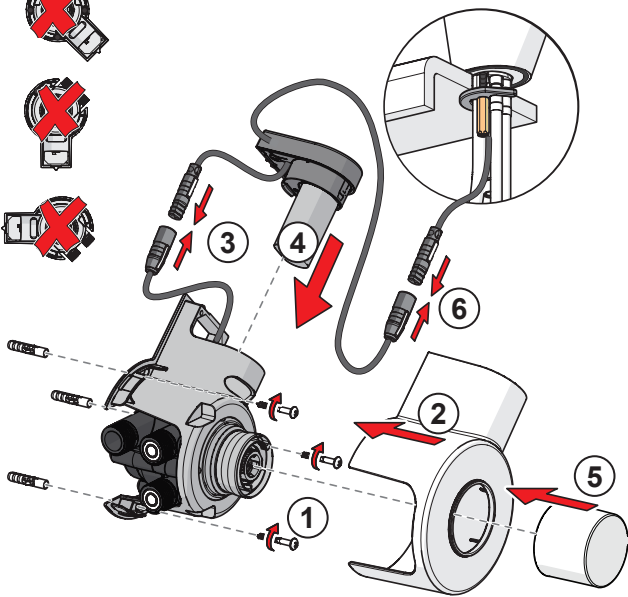
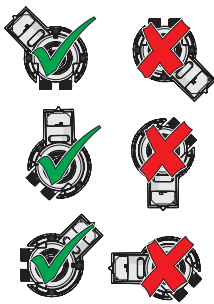


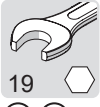
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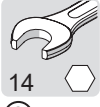


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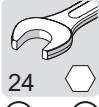




1 2



3

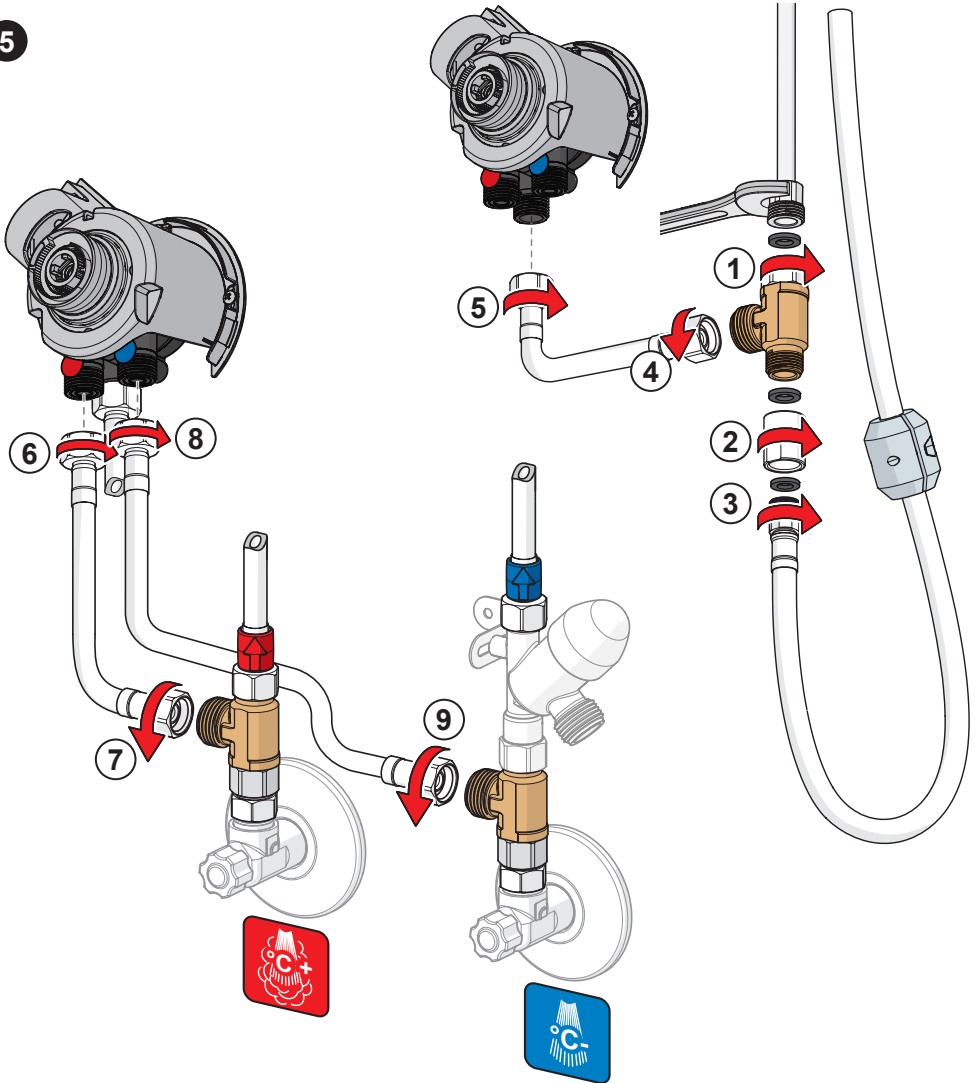


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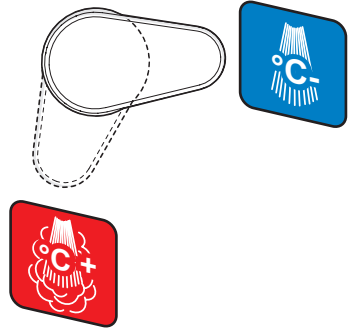
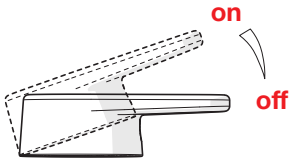
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5

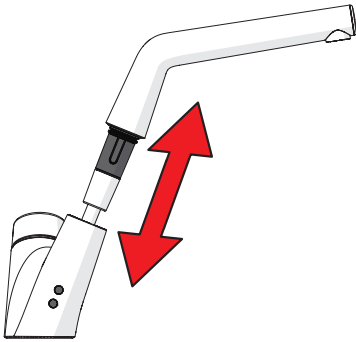




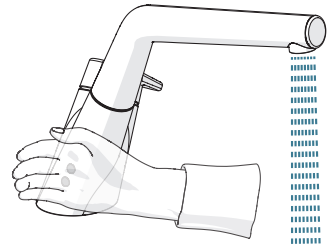
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2

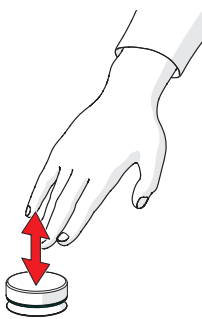


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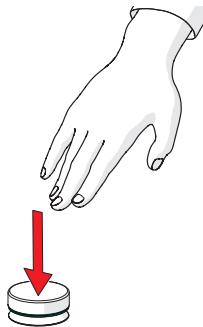


ON 6 s

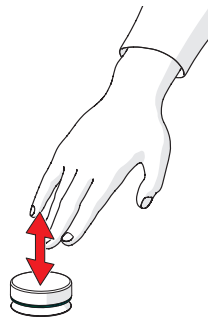
4



ON 3h



ON 12h



OFF

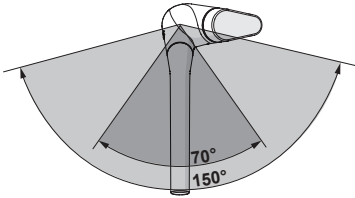


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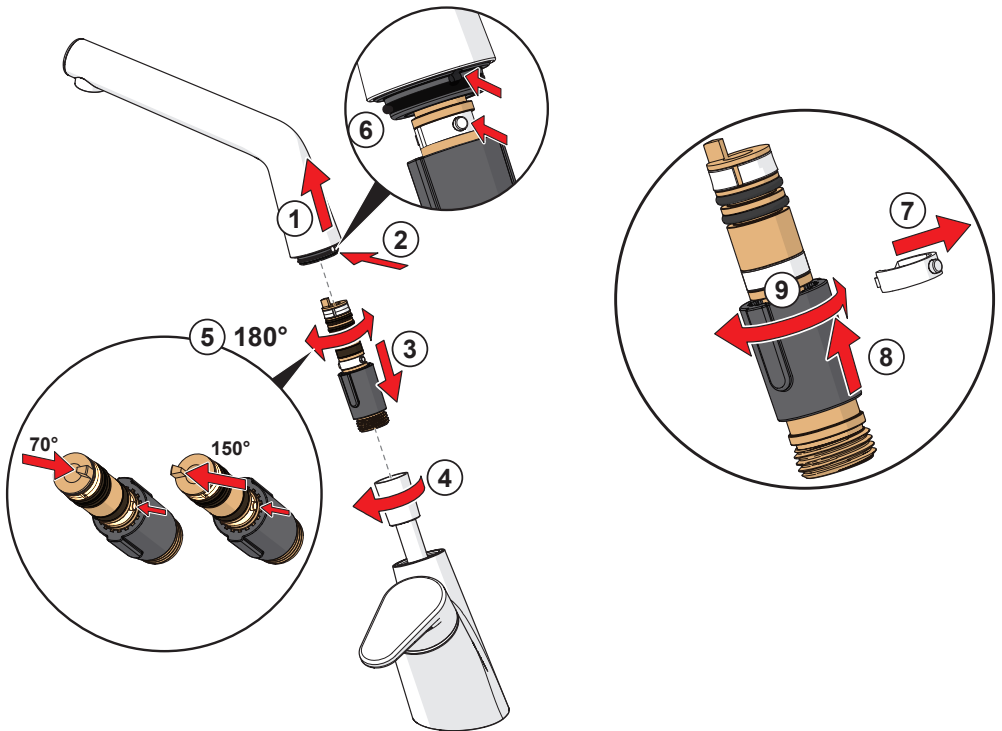
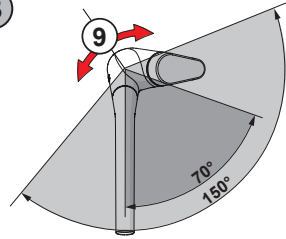


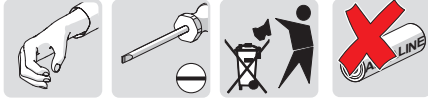
⑥

**A** 70° / 150°



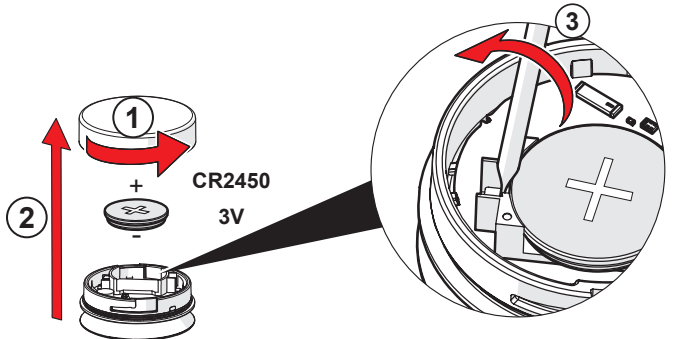
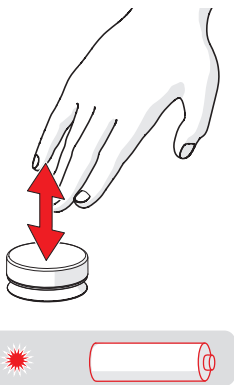
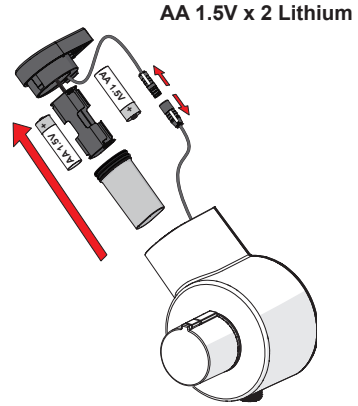
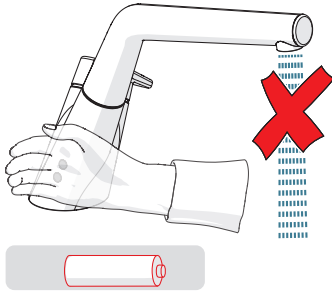
**B**

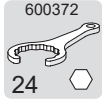




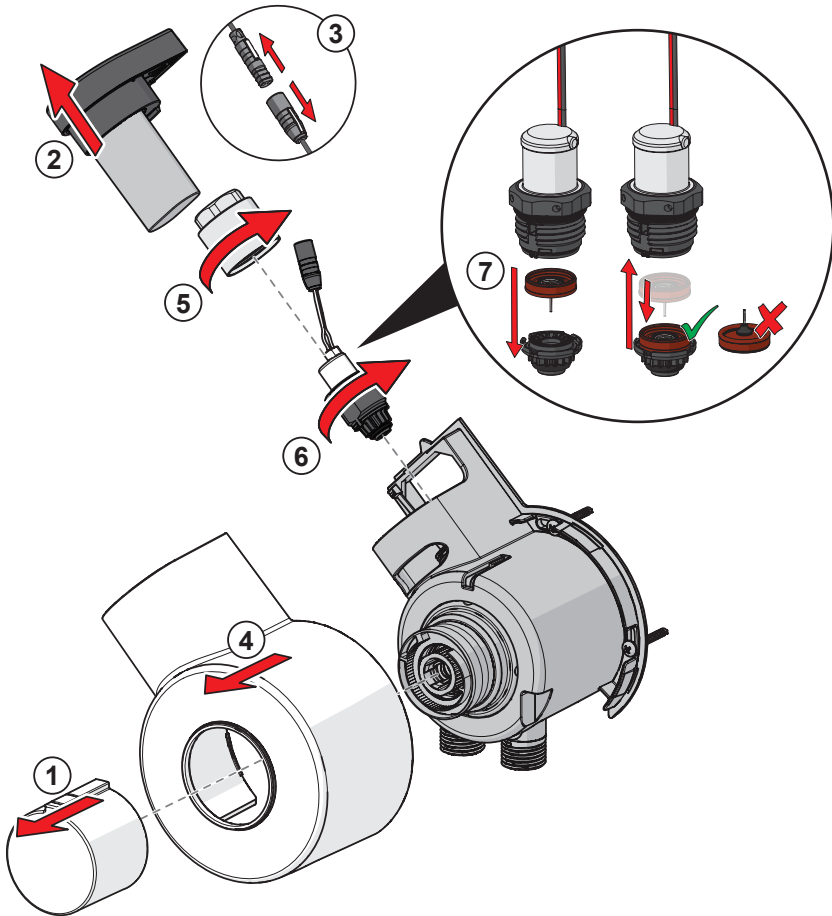
① ②

③





- 1
- 2
- 4
- 5
- 6
- 7





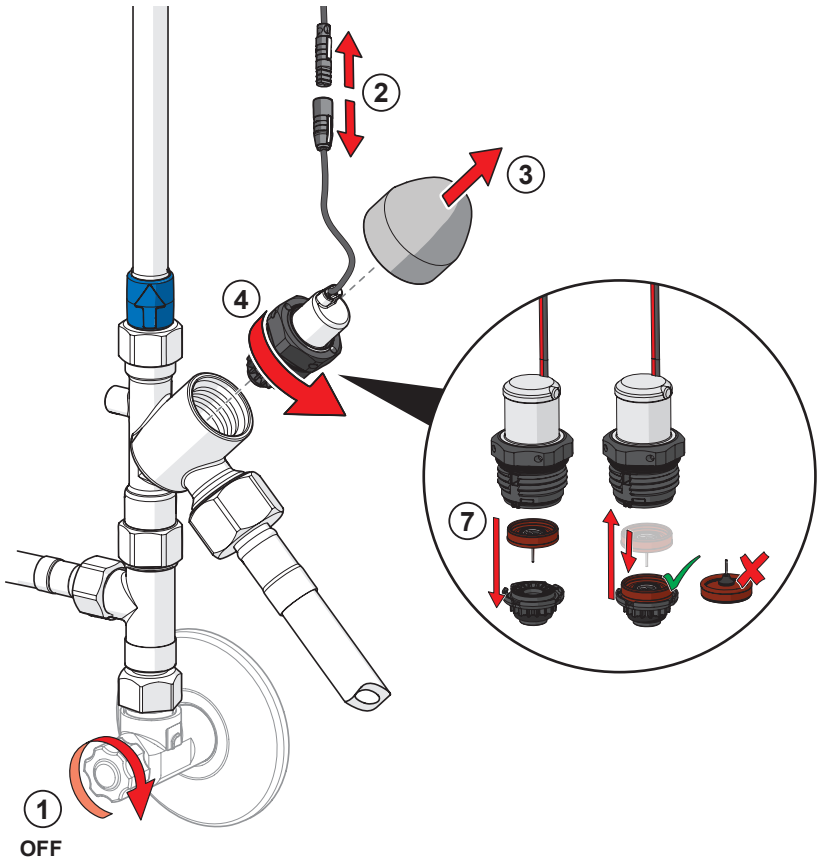
③



④

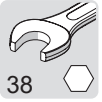


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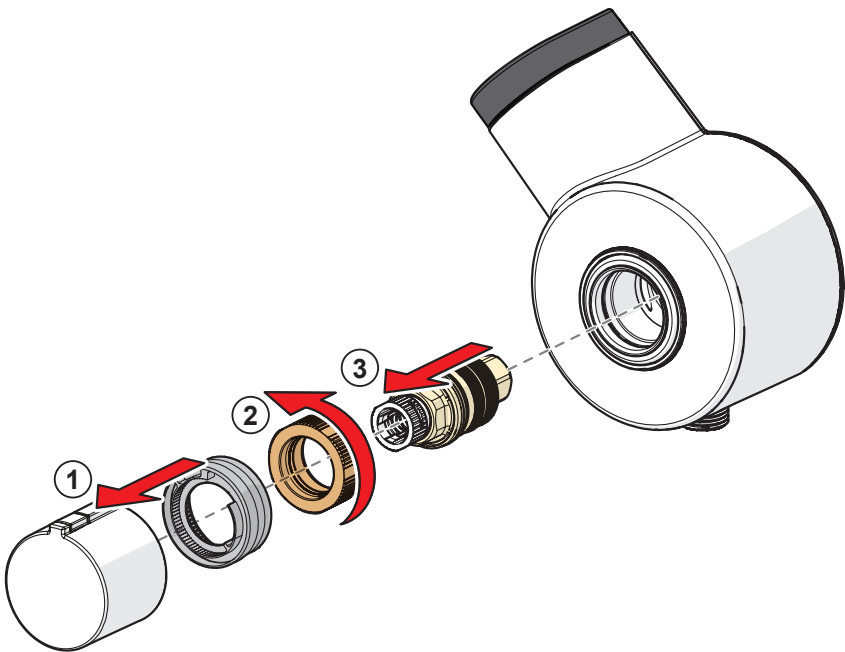
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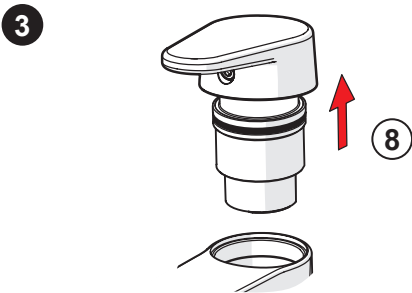
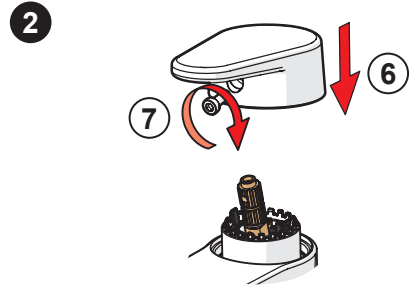
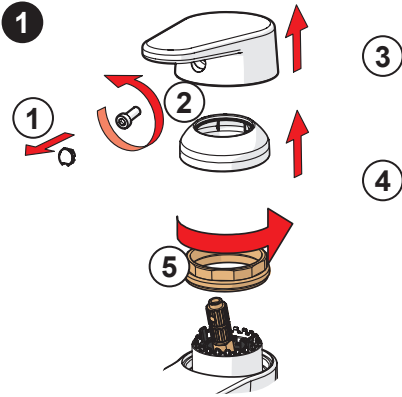
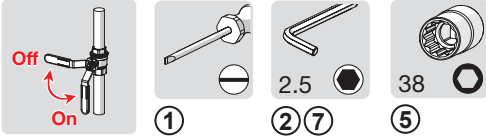


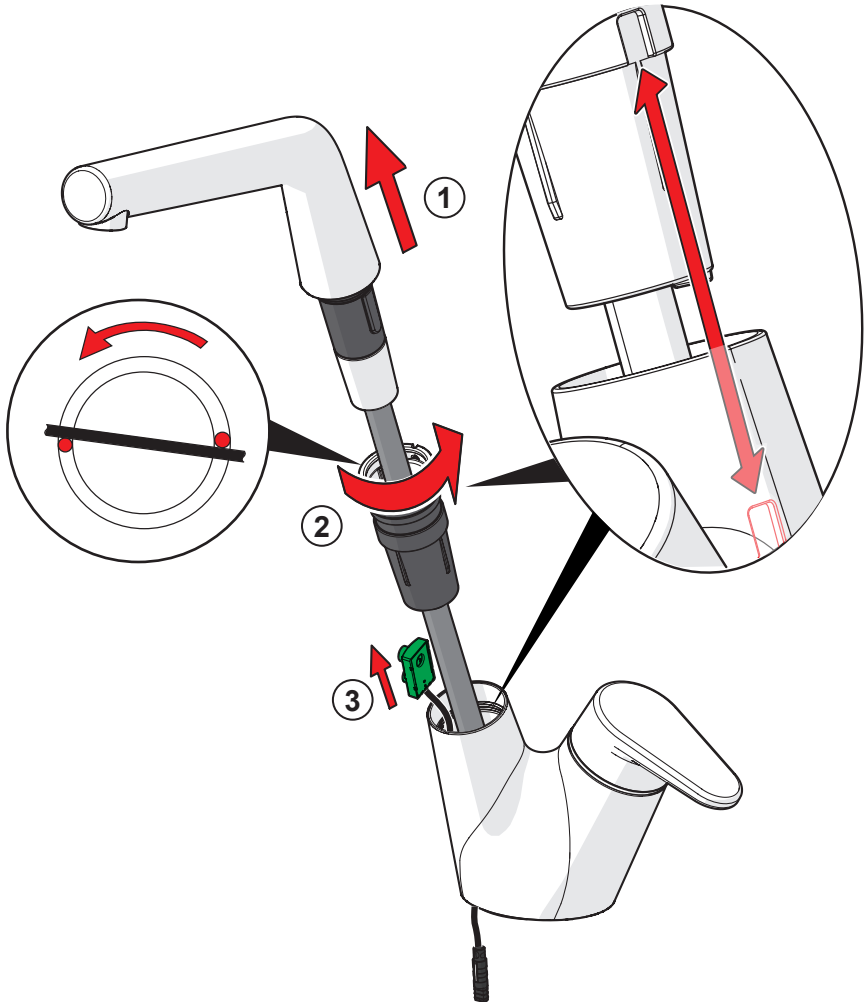
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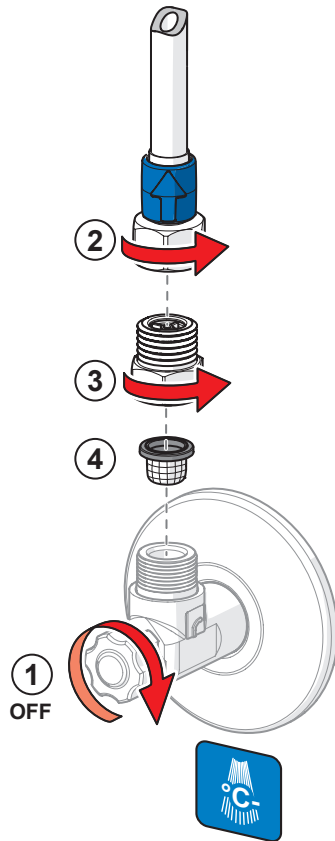
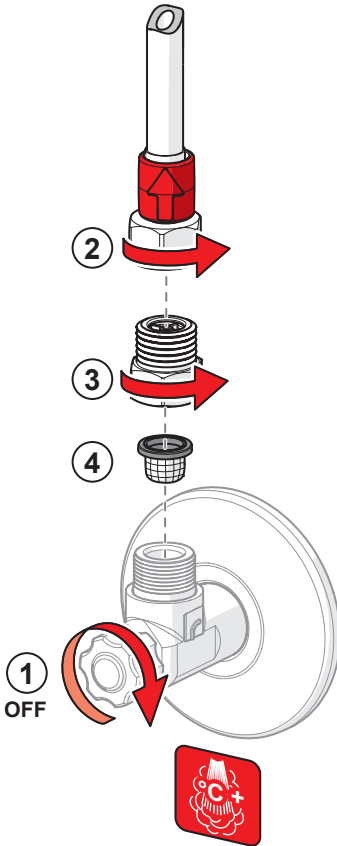


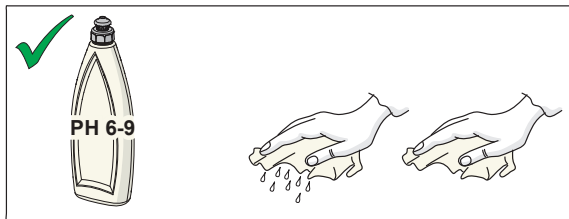
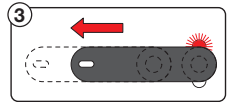
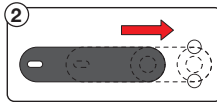
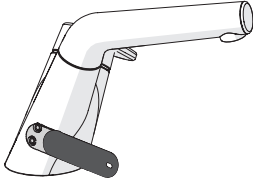
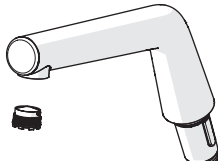




② ③

④

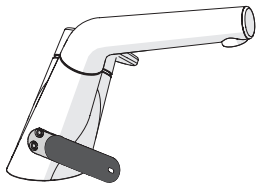




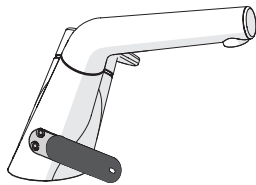
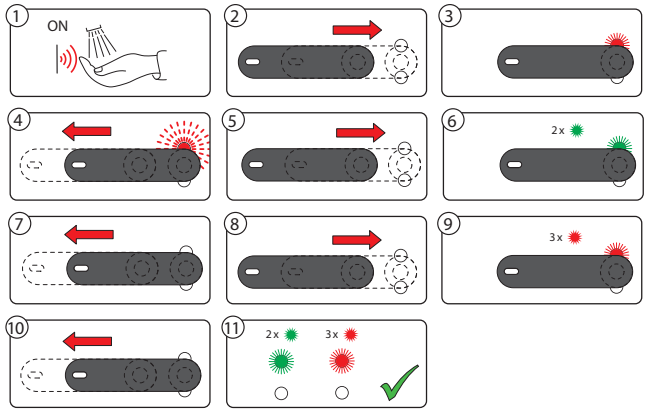
[cleaning.oras.com](http://cleaning.oras.com)



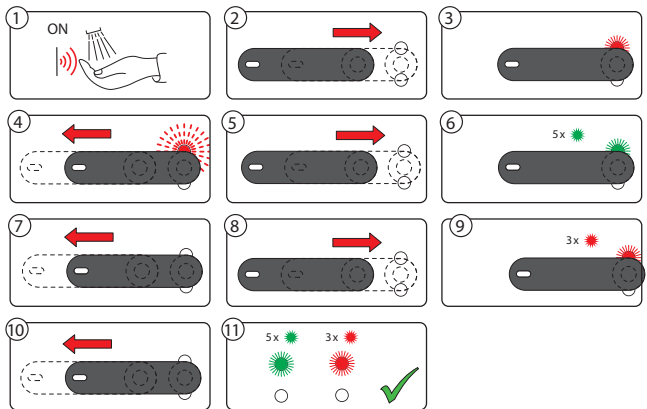
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Factory settings	1 x	-	-	-	-	-	-	-	-
Flow period (sec)	2 x	4	<b>6</b>	8	10	20	60	6	6
Automatic flush (h)	3 x	<b>0</b>	12	24	48	72	0	0	0
Automatic flush (sec)	4 x	10	<b>30</b>	60	120	180	240	300	600
Cleaning mode (sec)	5 x	15	<b>30</b>	60	15	15	15	15	15



Example 1: Flow period 6 s → 8 s



Example 2: Cleaning mode 30 s → 60 s











Oras Group is a powerful European provider of sanitary fittings: the market leader in the Nordics and a leading company in Continental Europe. The company's mission is to make the use of water easy and sustainable and its vision is to become the European leader of advanced sanitary fittings. Oras Group has two strong brands: Oras and Hansa.

The Group's head office is located in Rauma, Finland, and the Group has three manufacturing sites: Kralovice (Czech Republic), Olesno (Poland) and Rauma (Finland). Oras Group employs approximately 1,200 people in twenty countries. Oras Group is owned by Oras Invest, a family company and an industrial owner.

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