



HANSA

Installation and maintenance guide



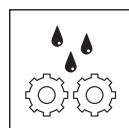
4-9



10-17



18



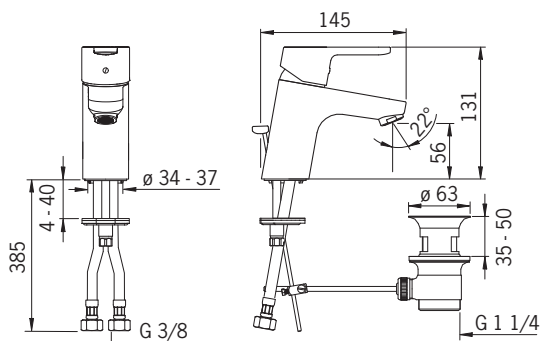
18-23



24

**4940 2203**

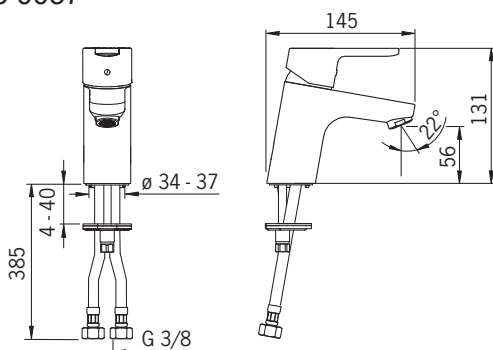
I (ISO 3822)
EN 817
50 - 1000 kPa
0.10 l/s (300 kPa w/Controller)
max. +70°C



mpi.hansa.com/49402203

4942 2203 , 4942 2203 0037

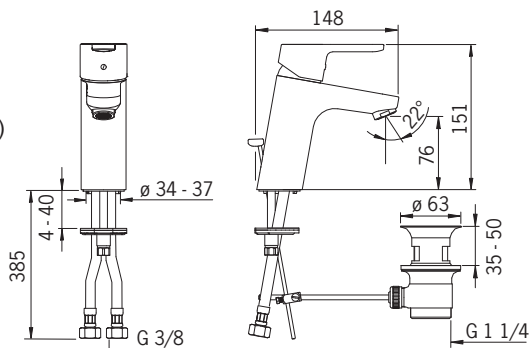
I (ISO 3822)
EN 817
100 - 1000 kPa
0.10 l/s (300 kPa w/Controller)
200 kPa (0.1 l/s)
max. +70°C



mpi.hansa.com/49422203

4956 2203

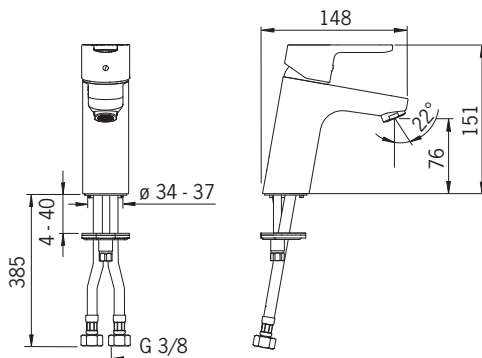
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EN 817
50 - 1000 kPa
0.10 l/s (300 kPa w/Controller)
max. +70°C



mpi.hansa.com/49562203

4937 2203

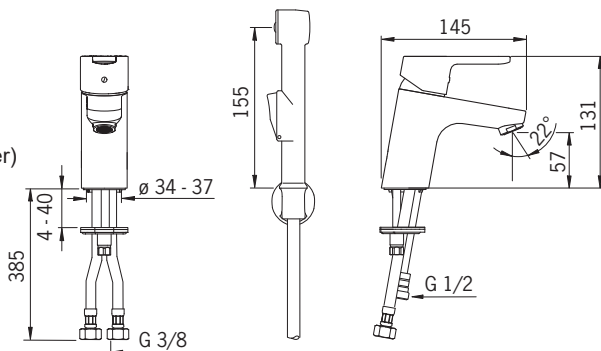
I (ISO 3822)
 EN 817
 100 - 1000 kPa
 0.10 l/s (300 kPa w/Controller)
 200 kPa (0.1 l/s)
 max. +70°C



mpi.hansa.com/49372203

4946 2203

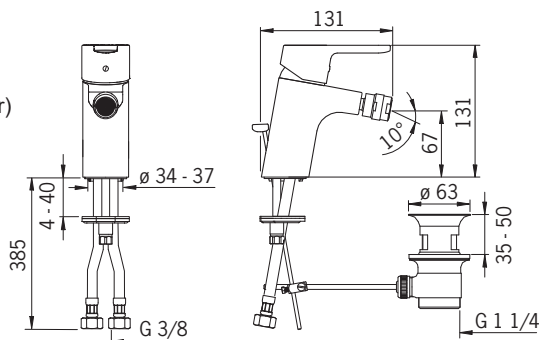
I (ISO 3822)
 EN 817, EN 1113
 100 - 1000 kPa
 0.15 l/s (300 kPa)
 0.10 l/s (300 kPa w/Controller)
 200 kPa (0.1 l/s)
 max. +70°C



mpi.hansa.com/49462203

4943 3203

I (ISO 3822)
 EN 817
 50 - 1000 kPa
 0.10 l/s (300 kPa w/Controller)
 max. +70°C

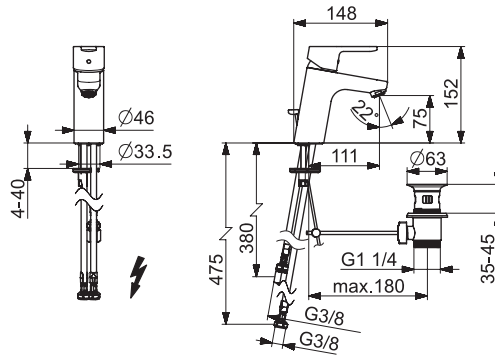


mpi.hansa.com/49433203



4938 1103

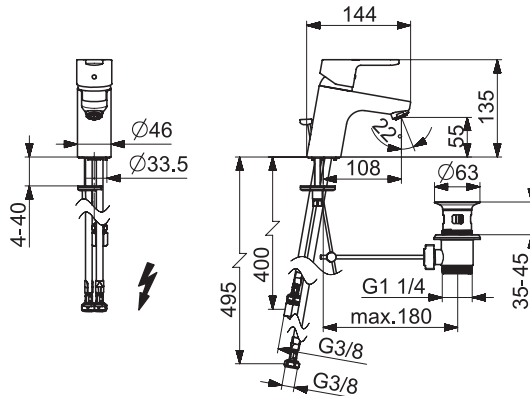
EN 817
50 - 500 kPa
max. +80°C



mpi.hansa.com/49381103

4957 1103

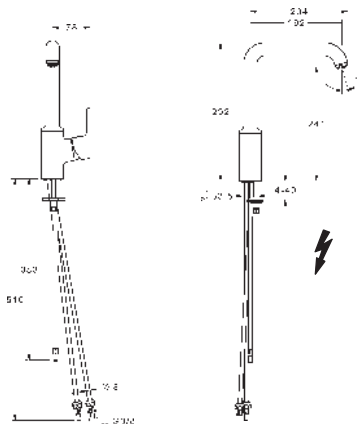
EN 817
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max. +80°C



mpi.hansa.com/49571103

4922 1103

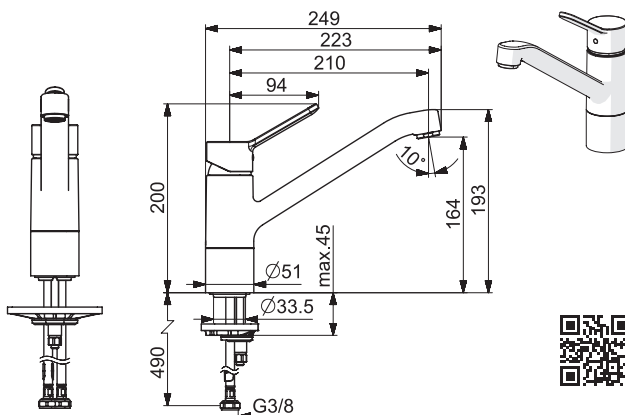
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50 - 500 kPa
max. +80°C



mpi.hansa.com/49221103

4948 2203

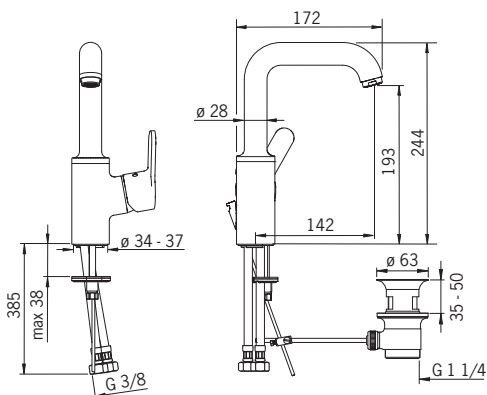
I (ISO 3822)
EN 817
50 - 1000 kPa
0.20 l/s (300 kPa)
300 kPa (0.2 l/s)
max. +70°C



mpi.hansa.com/49482203

4954 2203

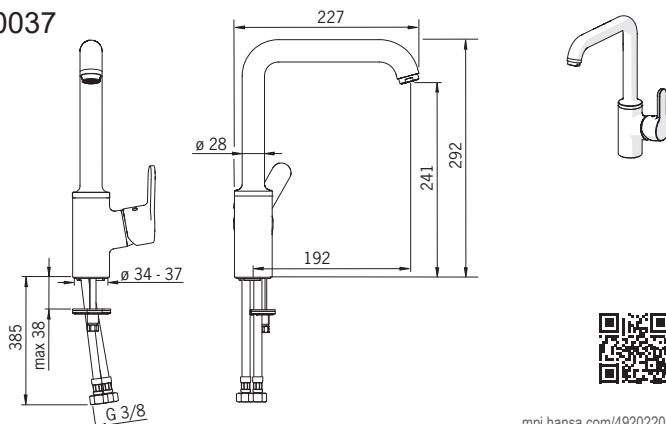
I (ISO 3822)
EN 817
50 - 1000 kPa
0.10 l/s (300 kPa w/Controller)
max. +70°C



mpi.hansa.com/49542203

4920 2203 , 4920 2203 0037

I (ISO 3822)
EN 817
100 - 1000 kPa
0.20 l/s (300 kPa)
max. +70°C

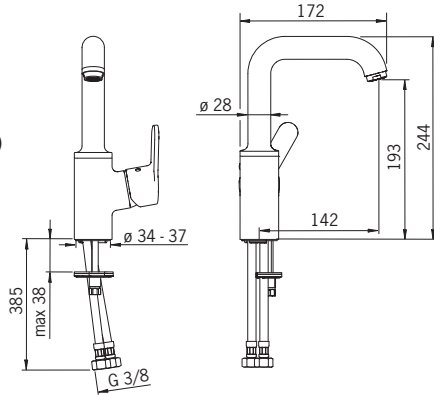


mpi.hansa.com/49202203



4955 2203

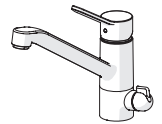
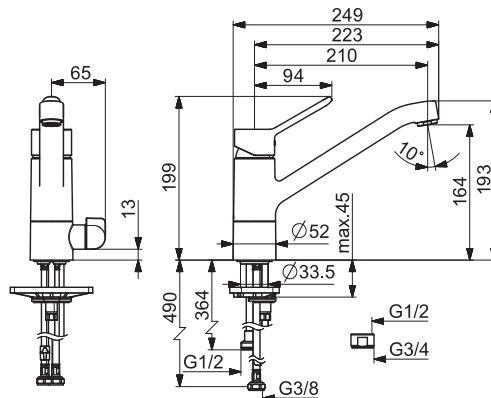
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100 - 1000 kPa
0.10 l/s (300 kPa w/Controller)
max. +70°C



mpi.hansa.com/49552203

4950 2203

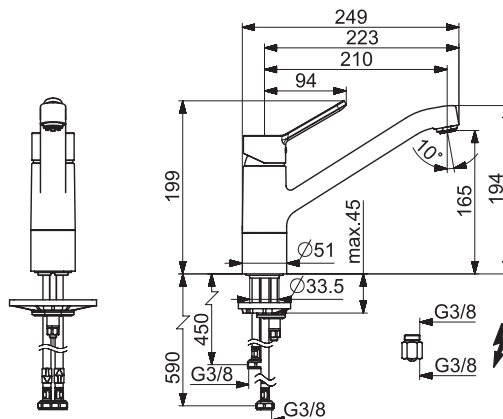
I (ISO 3822)
EN 817
50 - 1000 kPa
0.20 l/s (300 kPa)
300 kPa (0.2 l/s)
max. +70°C



mpi.hansa.com/49502203

4949 1103

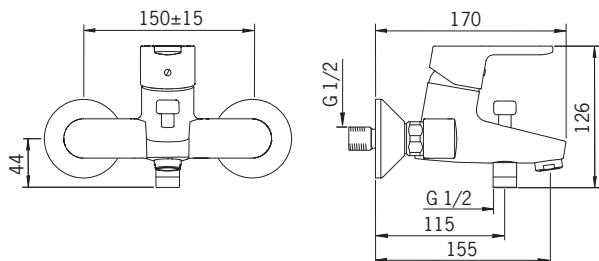
I (ISO 3822)
EN 817
50 - 500 kPa
0.12 l/s (300 kPa)
max. +70°C



mpi.hansa.com/49491103

4944 2103

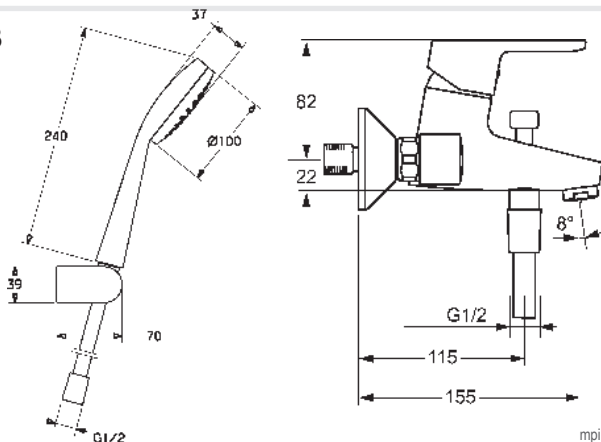
I (ISO 3822)
 EN 817
 100 - 1000 kPa
 0.34 / 0.32 l/s (300 kPa)
 250 kPa (0.3 l/s)
 max. +80°C



mpi.hansa.com/49442103

4944 2103 00003

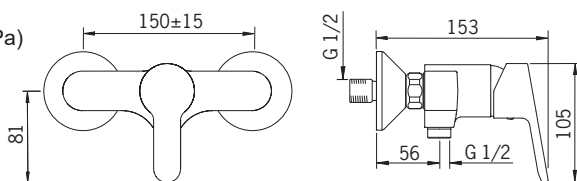
I (ISO 3822)
 EN 817
 100 - 1000 kPa
 0.28 l/s (300 kPa)
 160 kPa (0.2 l/s)
 max. +80°C



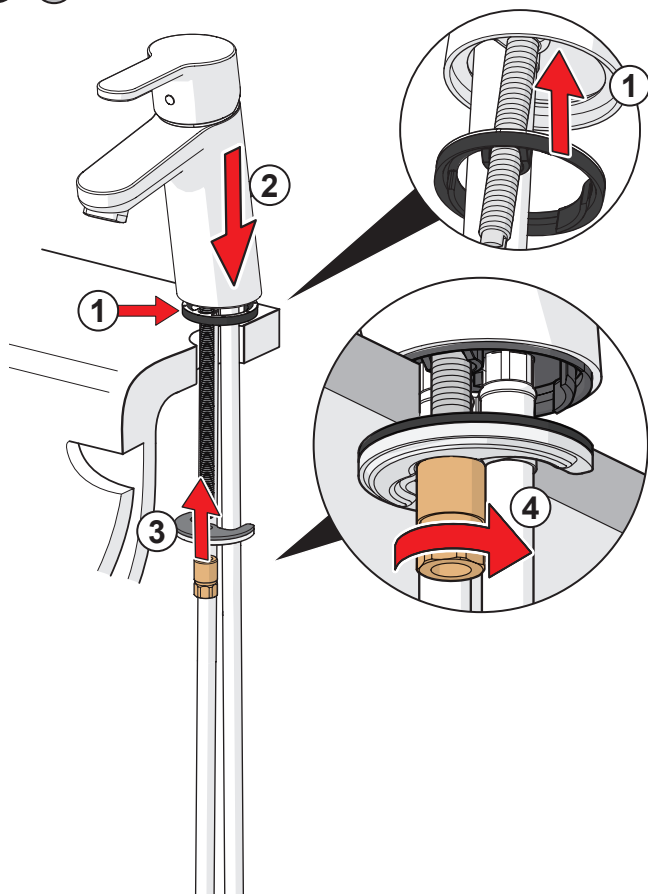
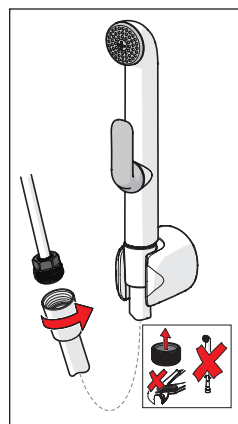
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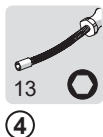
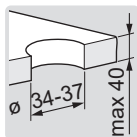
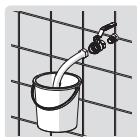
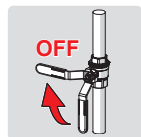
4945 0103

EN 817
 50 - 1000 kPa
 0.34 / 0.32 l/s (300 kPa)
 max. +70°C



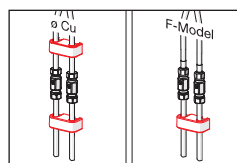
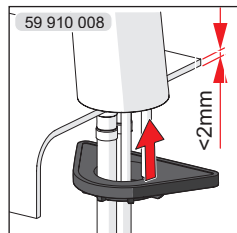
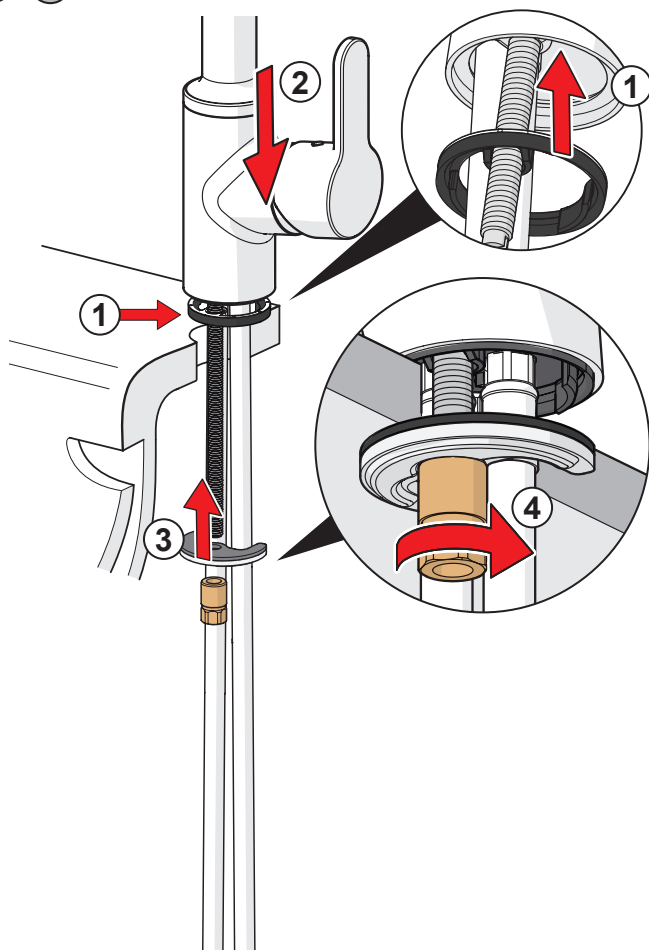
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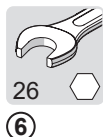
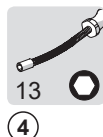
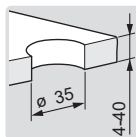




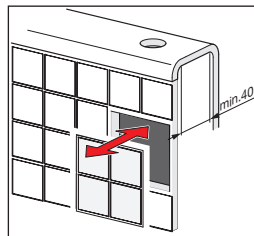
max.
1600 kPa

1 B

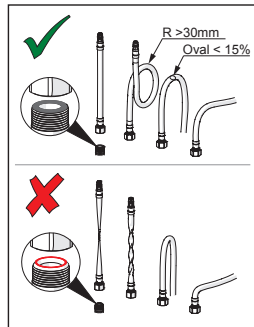
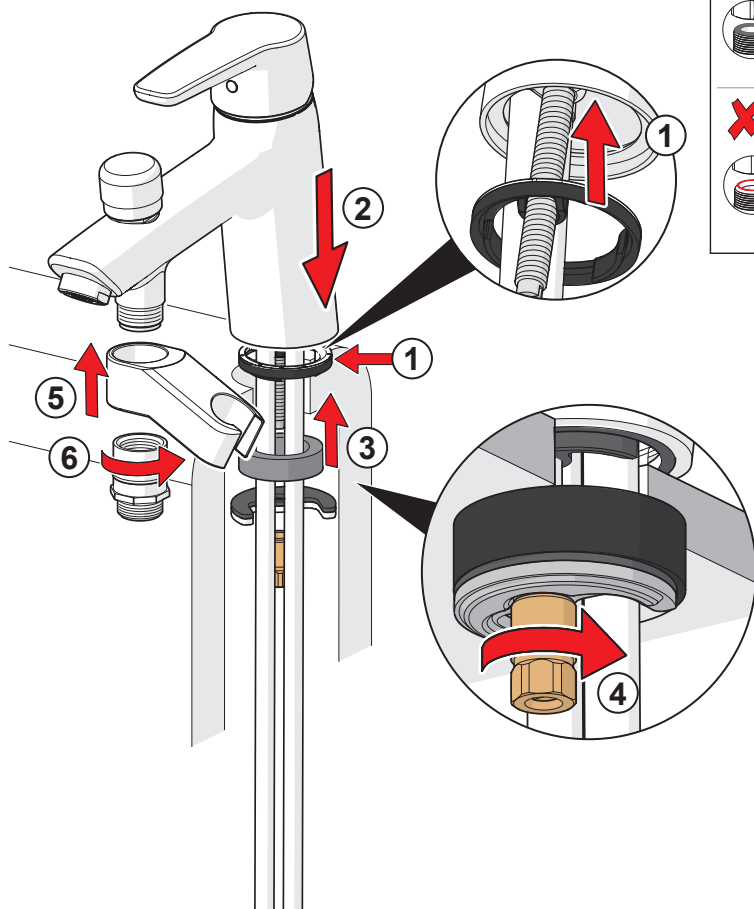




max.
1600 kPa



1 C

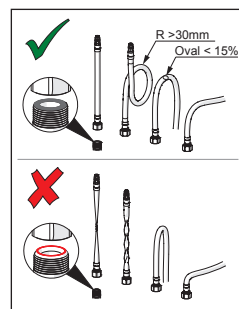
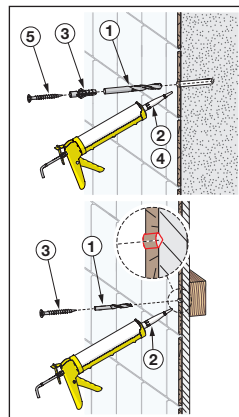
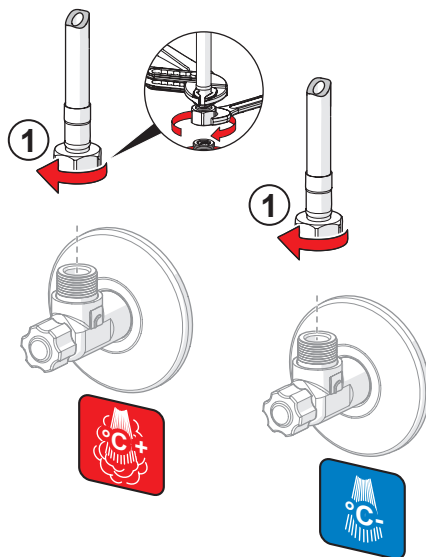


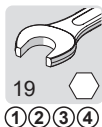


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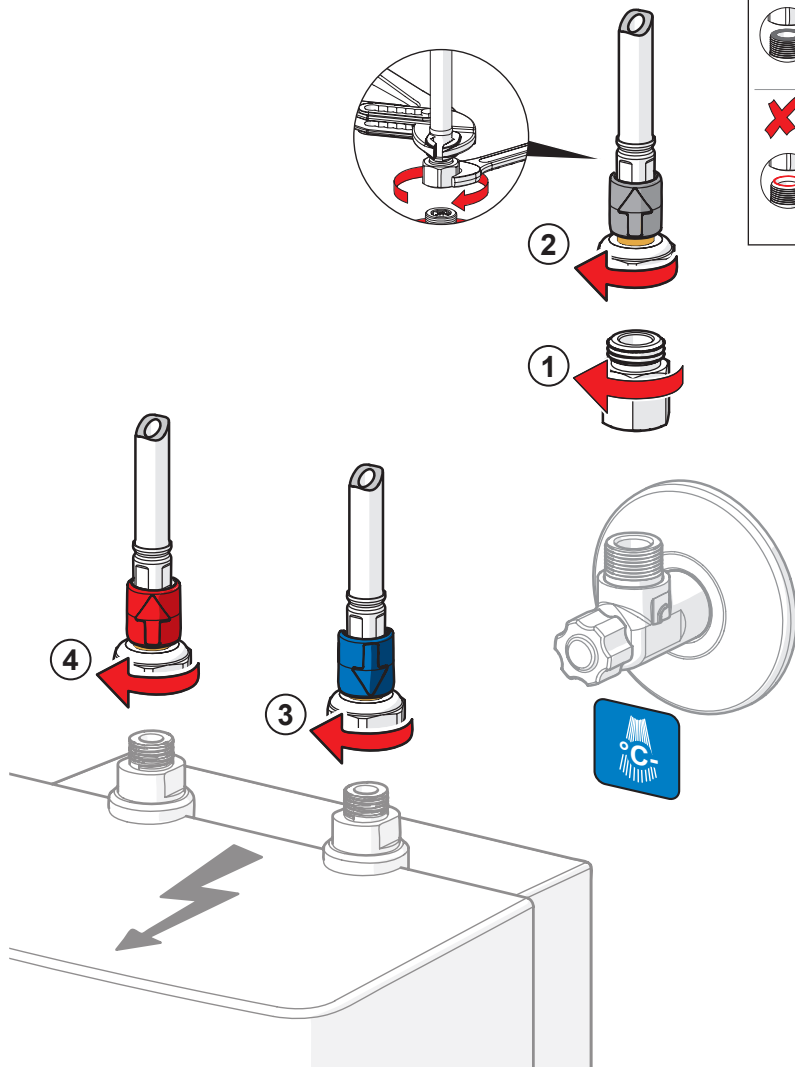
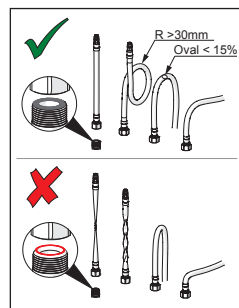
max.
1600 kPa

2





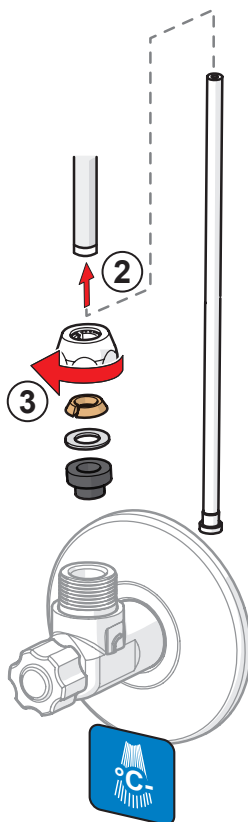
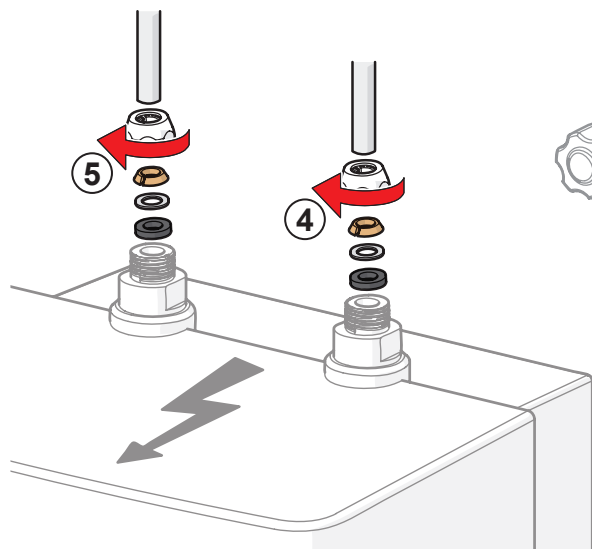
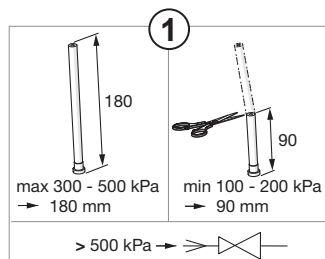
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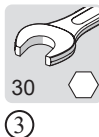
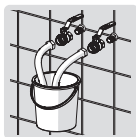




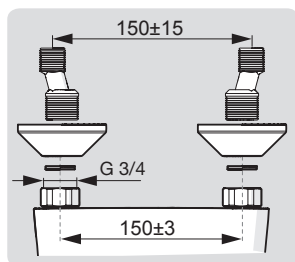
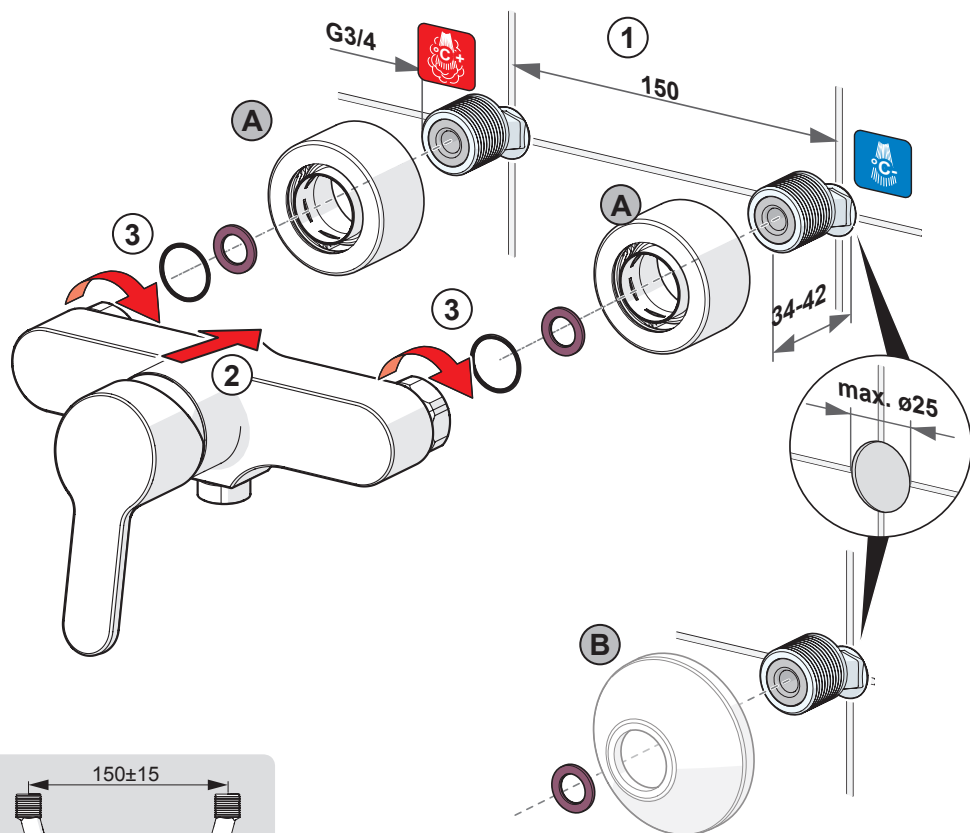
19
③④⑤

B



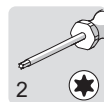
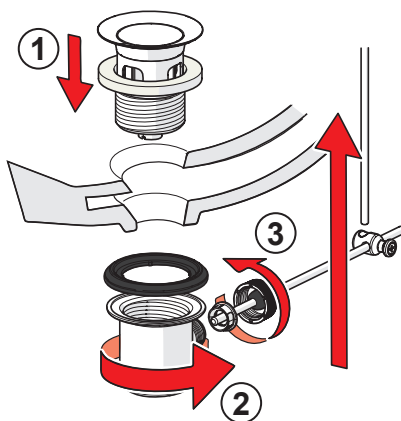
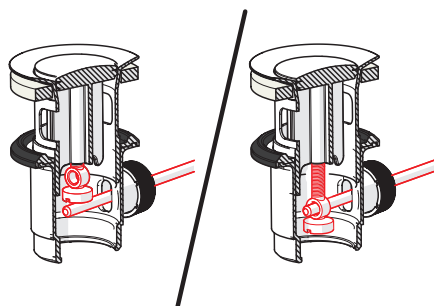
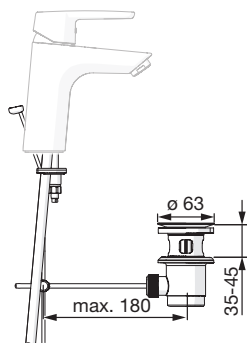


max.
1600 kPa



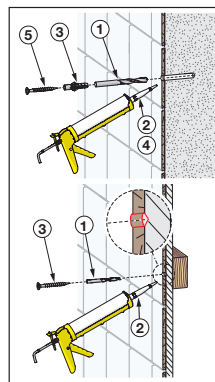
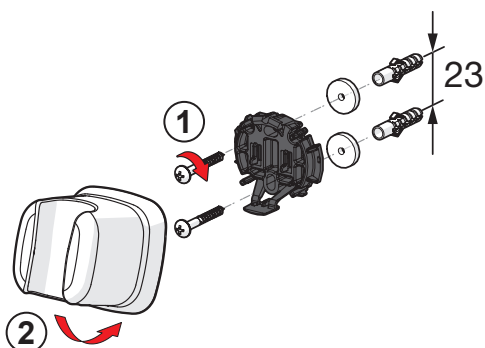


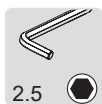
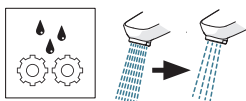
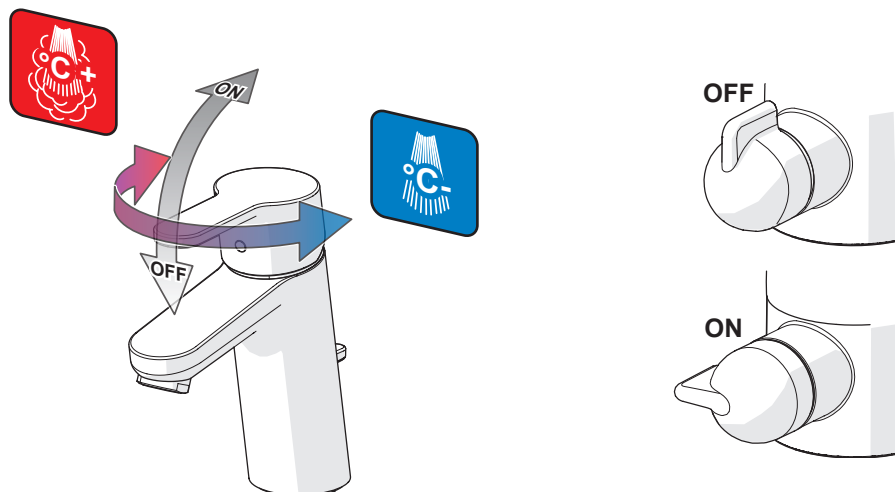
① ② ③



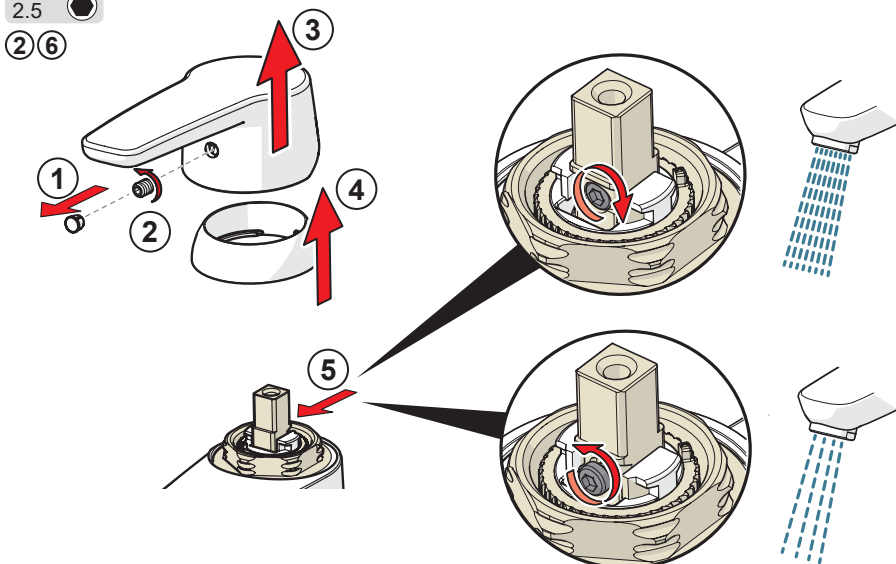
①

2





2.5
② ⑥

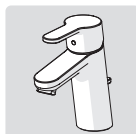




②



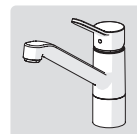
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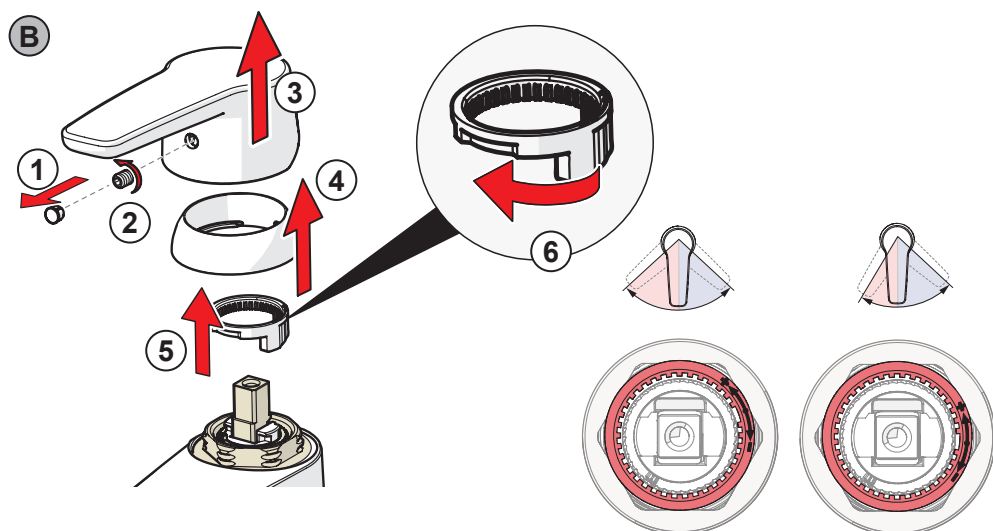
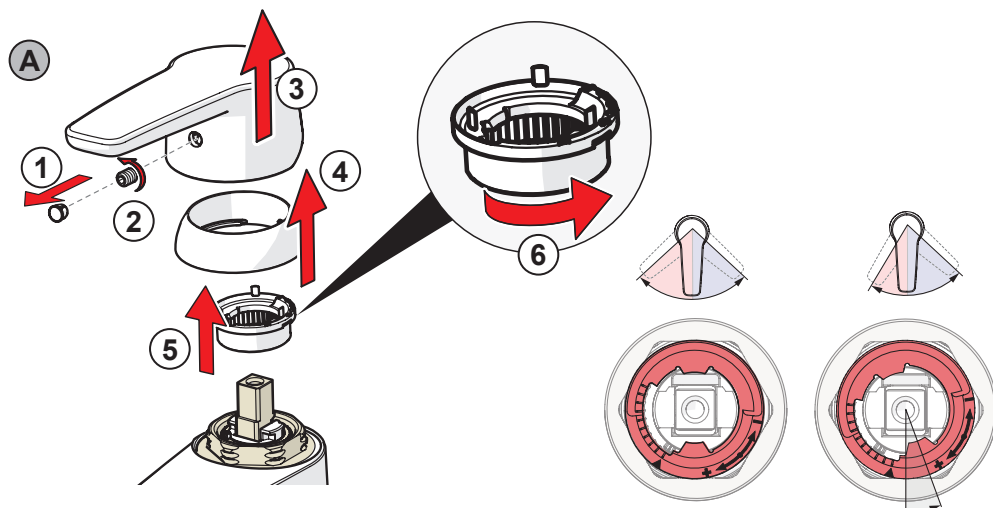
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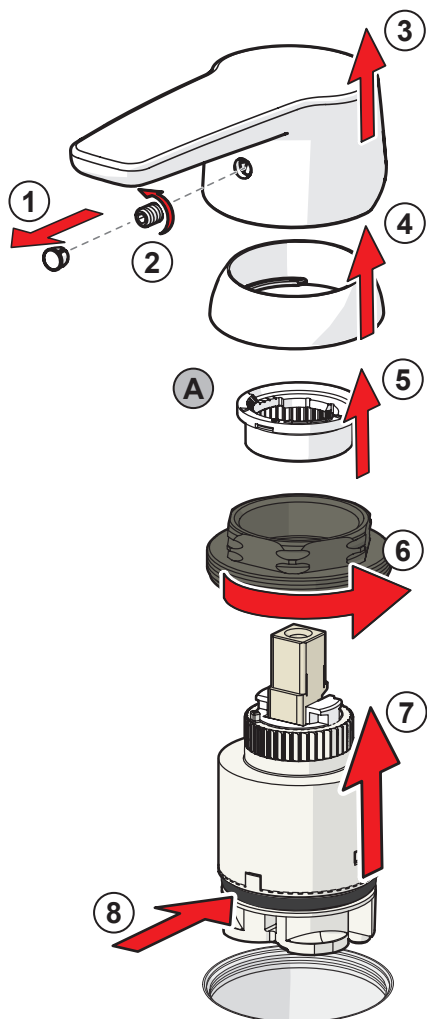
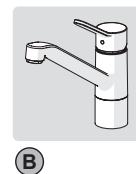
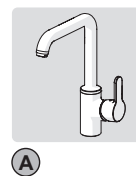
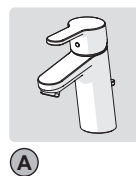
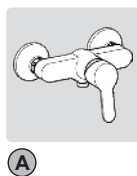
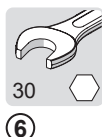
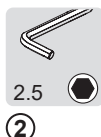


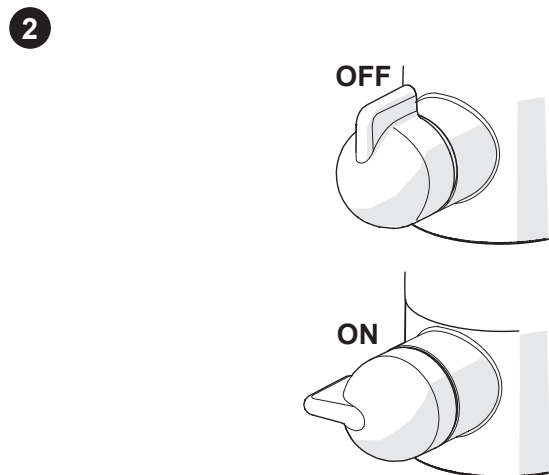
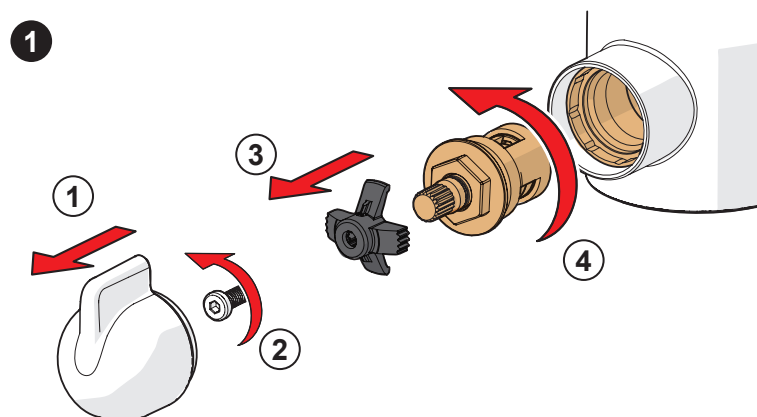
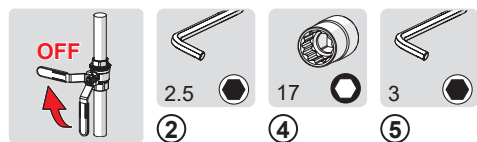
A



B









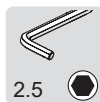
A1



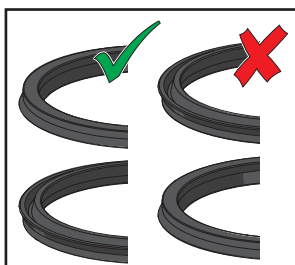
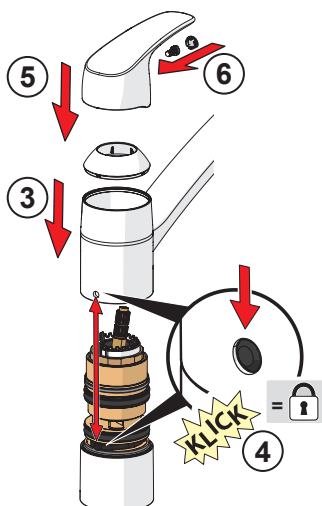
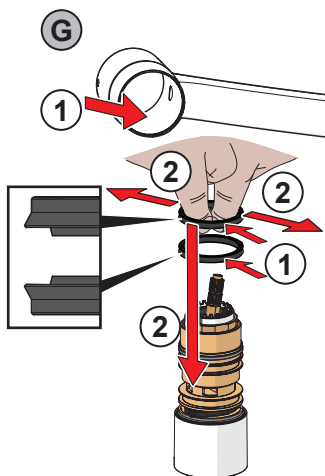
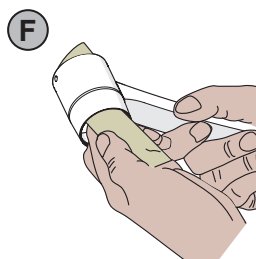
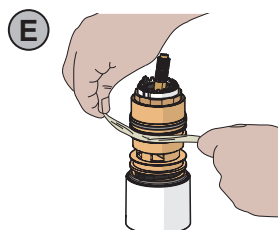
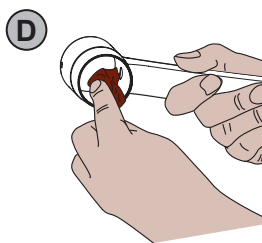
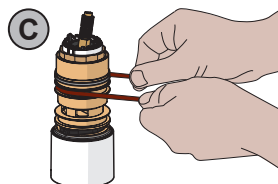
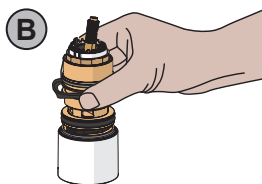
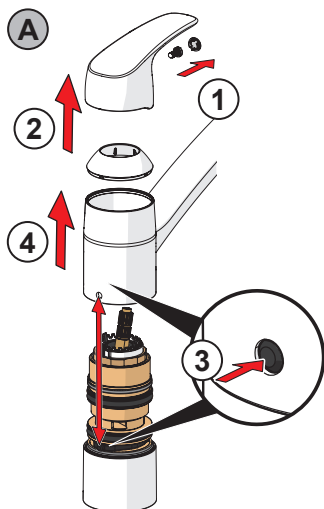
G1



G2

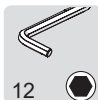


G6





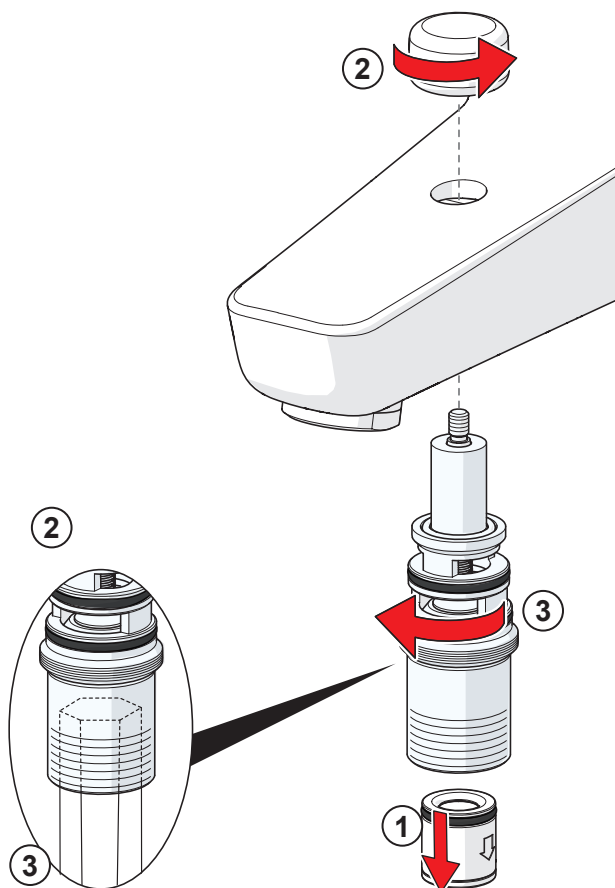
① ②

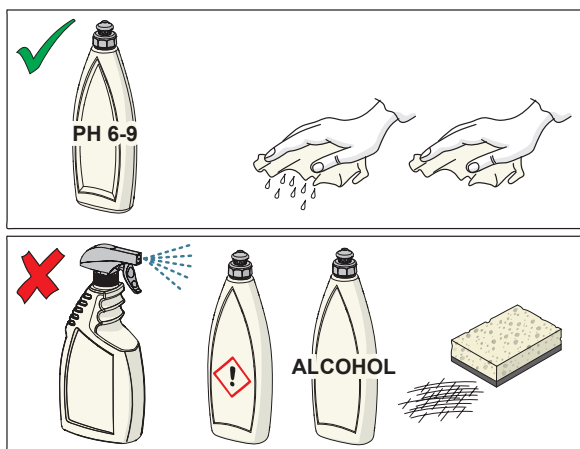
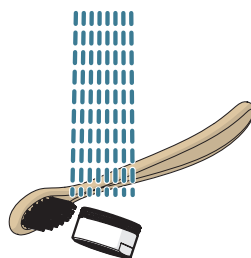
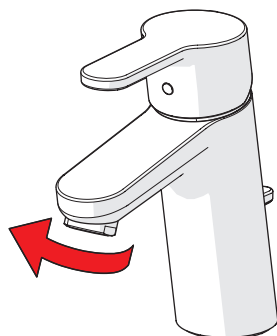


③



③





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About Oras Group

Oras Group is a significant European provider of sanitary fittings: the market leader in the Nordics and a leading company in Continental Europe.

The company's mission is to create the smartest water experiences for everyone and its vision is to become the Perfect Flow Company.

The Group has two strong brands, Oras and Hansa. Oras Group is owned by Oras Invest, a family company, and an industrial owner.

The domicile of Oras Ltd, the parent company of the Group, is located in Rauma, Finland, and the Group has two manufacturing sites: Olesno (Poland) and Rauma (Finland).

The Group operates with its own staff in 17 markets. Oras Group's net sales were 233.5 million euros in 2021 and at the end of the period the company employed 1255 people.

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