



Oras

Installation and maintenance guide



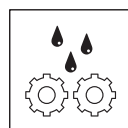
4-8



9-12



13



13-17

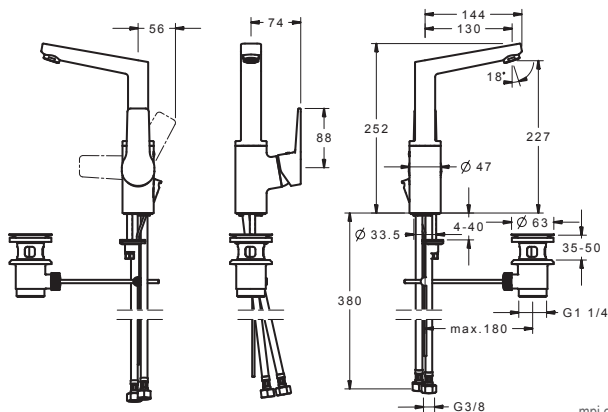


18



3801F , 3801BF

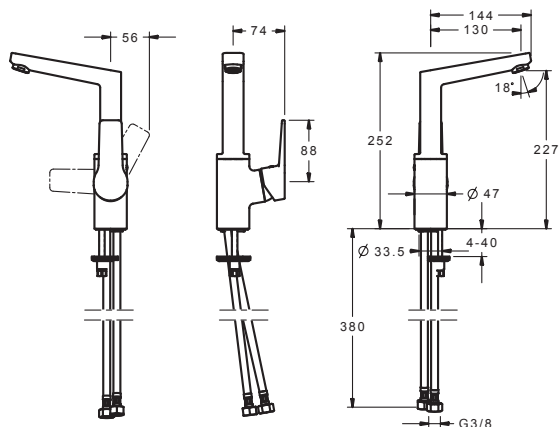
EN 817
100 - 1000 kPa
0.1 l/s (300 kPa w/Controller)
max. +80°C



mpi.oras.com/3801F

3803F , 3803BF

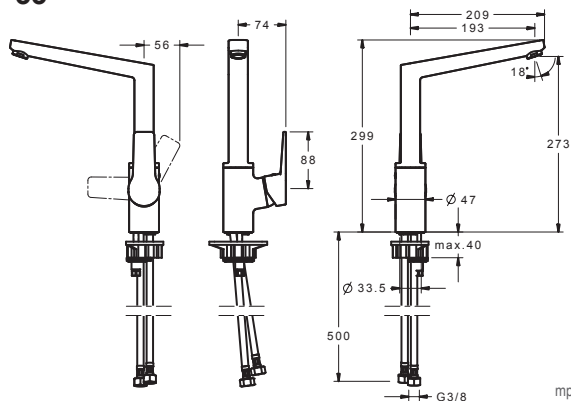
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0.1 l/s (300 kPa w/Controller)
max. +80°C



mpi.oras.com/3803F

3838F , 3838BF , 3838F-33

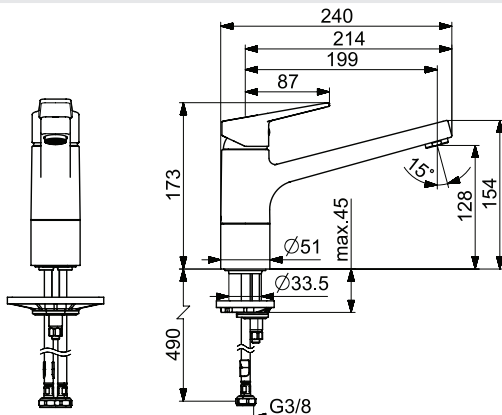
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100 - 1000 kPa
0.2 l/s (300 kPa)
max. +90°C



mpi.oras.com/3838F

3820F

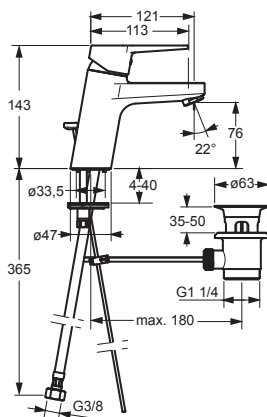
P-IX 28418/IA
EN 817
50 - 1000 kPa
0.2 l/s (300 kPa)
max. +70°C



mpi.oras.com/3820F

3804F , 3804BF

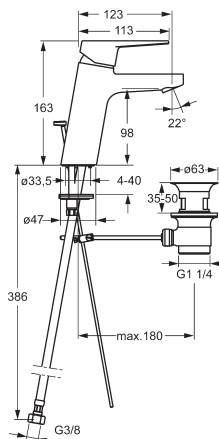
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EN 817
100 - 1000 kPa
0.1 l/s (300 kPa w/Controller)
max. +80°C



mpi.oras.com/3804F

3805F , 3805BF

P-IX 18545/IA
EN 817
100 - 1000 kPa
max. +80°C

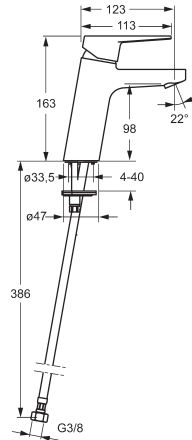


mpi.oras.com/3805F



3806F , 3806BF

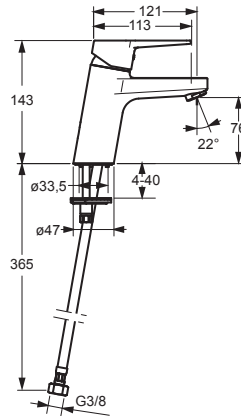
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0.1 l/s (300 kPa w/Controller)
max. +80°C



mpi.oras.com/3806F

3810F , 3810F-33 , 3810BF

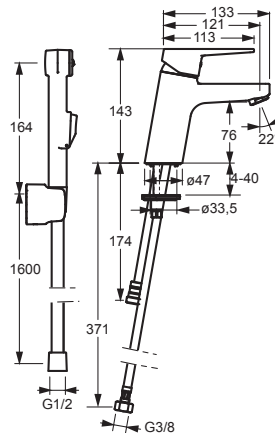
P-IX 18545/IA
EN 817
100 - 1000 kPa
0.1 l/s (300 kPa w/Controller)
max. +80°C



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3812F , 3812BF

EN 817
100 - 1000 kPa
0.1 l/s (300 kPa w/Controller)
max. +80°C



mpi.oras.com/3812F

3818F , 3818BF

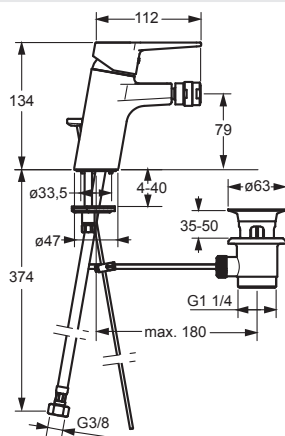
P-IX 18545/IA

EN 817

100 - 1000 kPa

0.1 l/s (300 kPa w/Controller)

max. +70°C

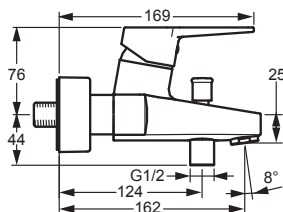
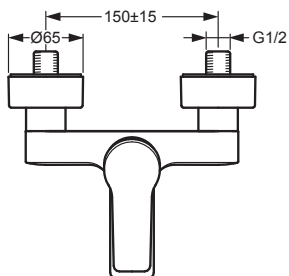


mpi.oras.com/3818F



3840U , 3840BU

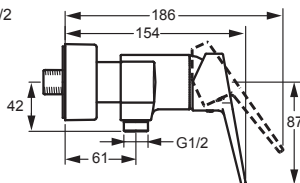
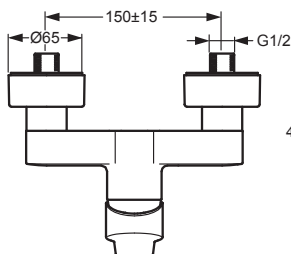
PA-IX 18543/ICB
EN 817
100 - 1000 kPa
0.33 l/s (300 kPa)
max. +90°C



mpi.oras.com/3840U

3860U , 3860BU

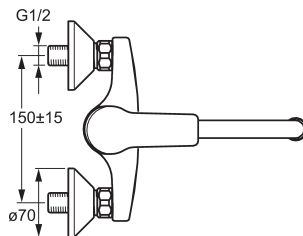
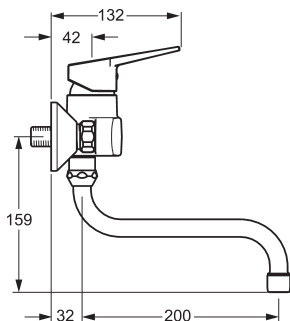
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EN 817
100 - 1000 kPa
0.28 l/s (300 kPa)
max. +90°C



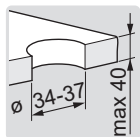
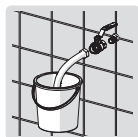
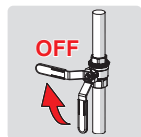
mpi.oras.com/3860U

3836U , 3836BU

PA-IX 28484/IA
EN 817
100 - 1000 kPa
0.22 l/s (300 kPa)
max. +90°C

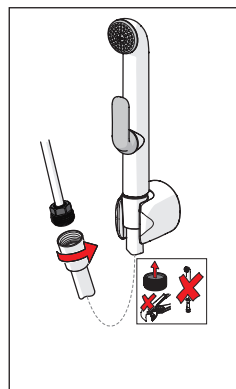
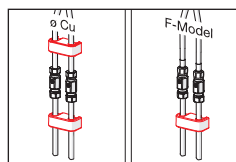
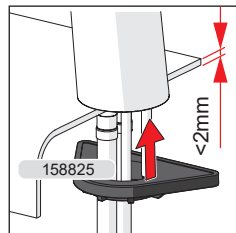
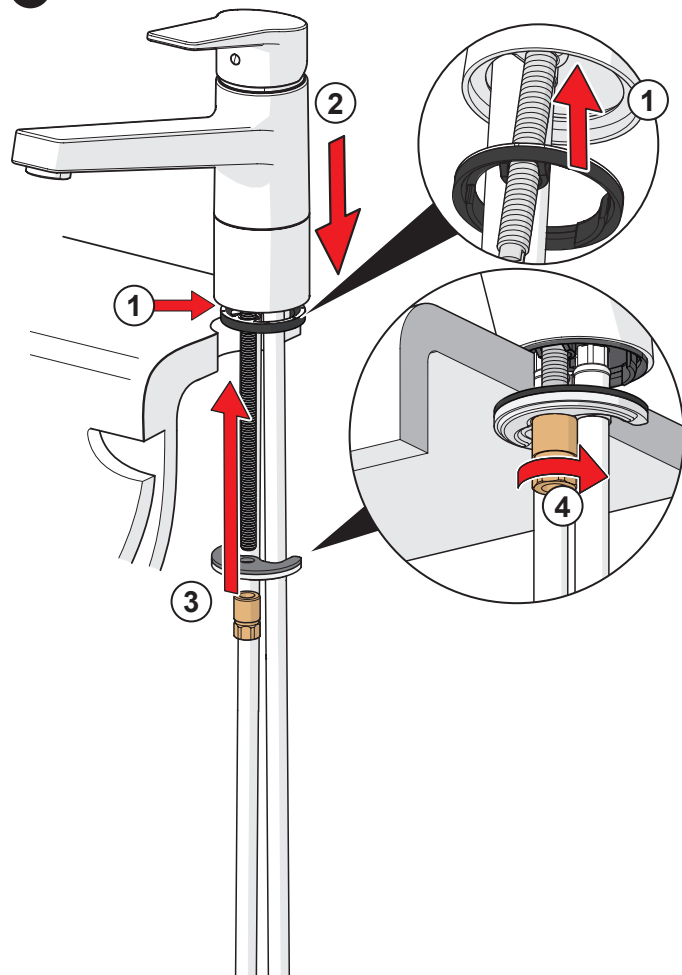


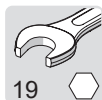
mpi.oras.com/3836U



max.
1600 kPa

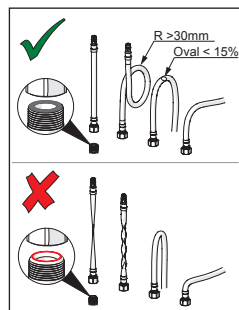
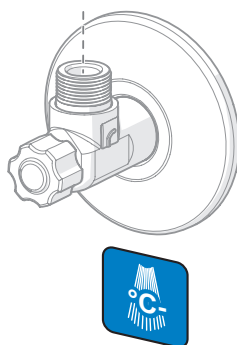
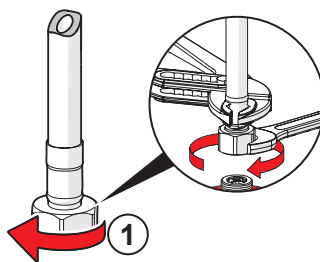
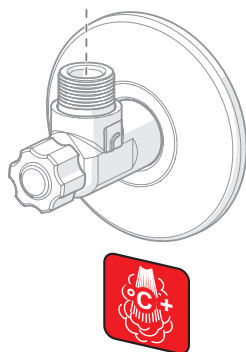
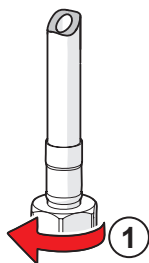
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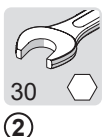
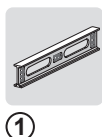
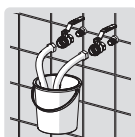




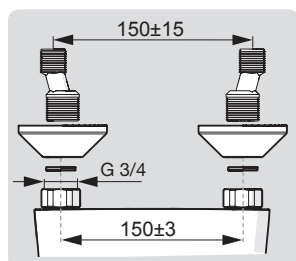
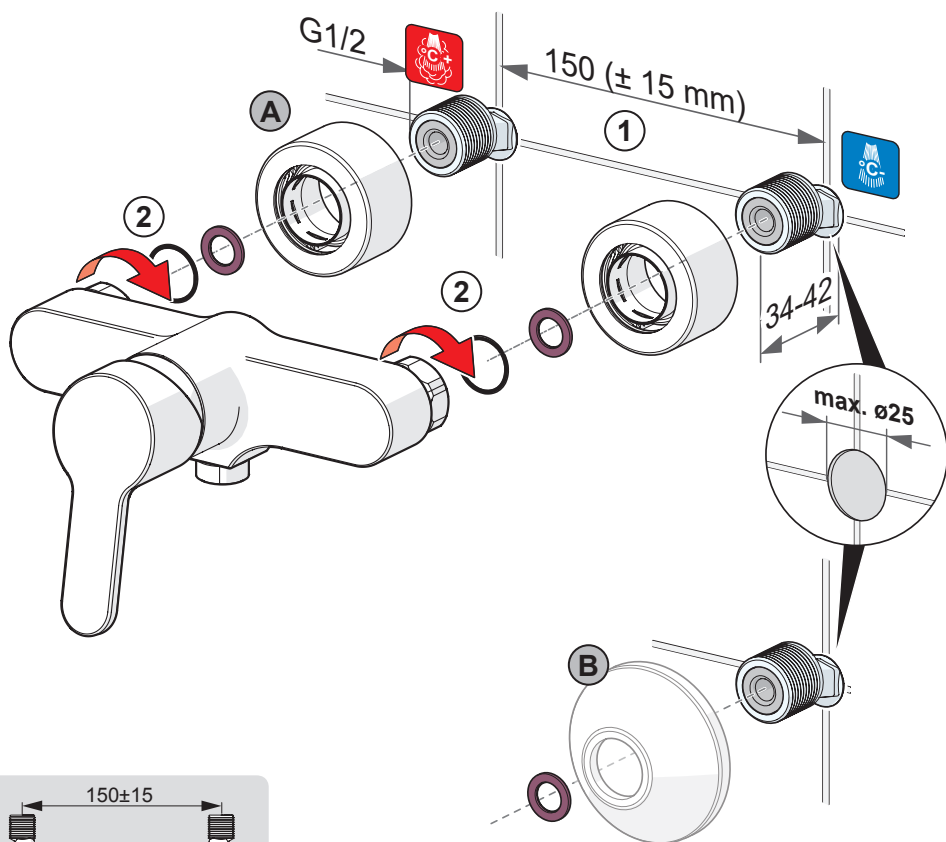
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2



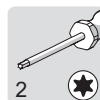
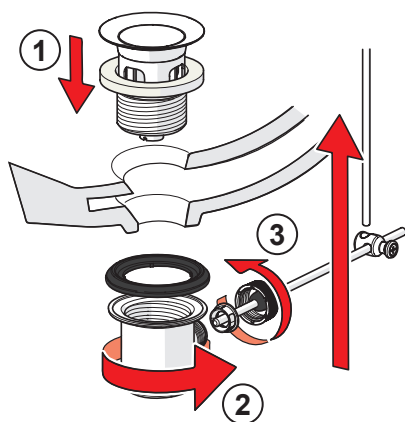
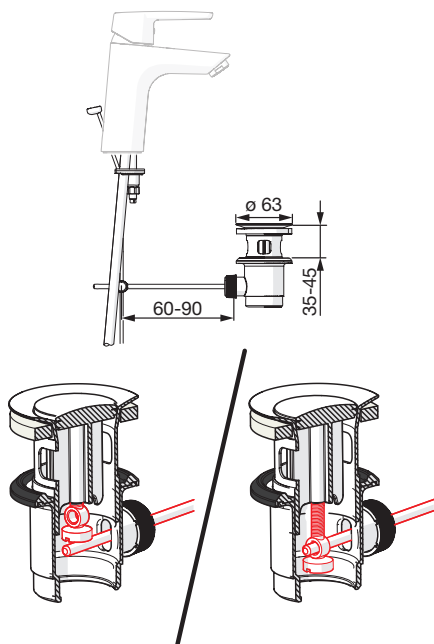


max.
1600 kPa

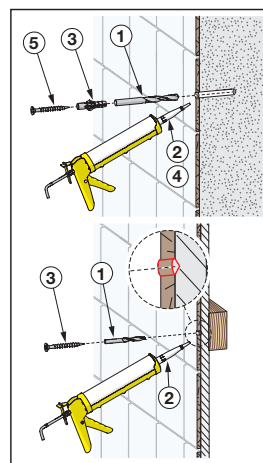
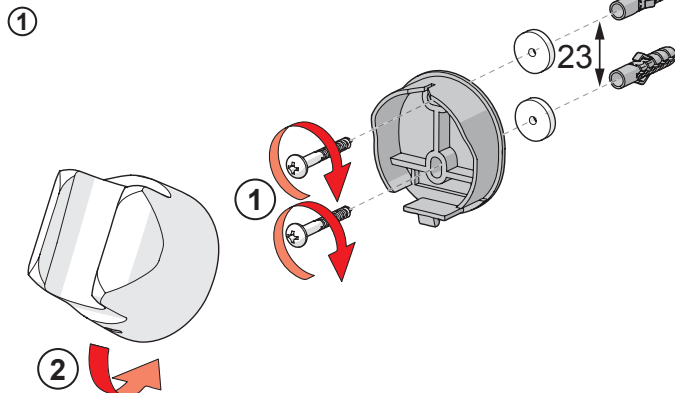


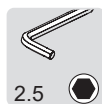
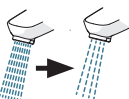
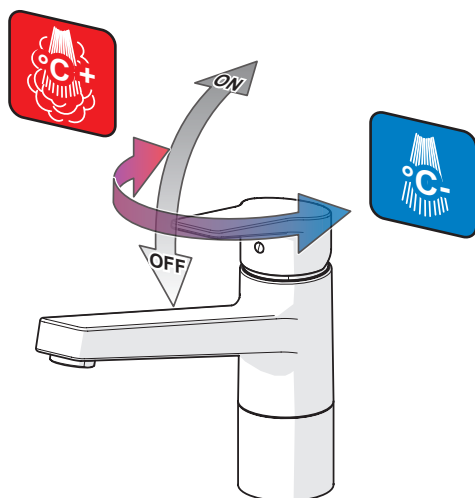


① ② ③

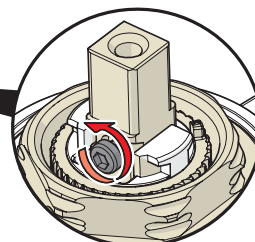
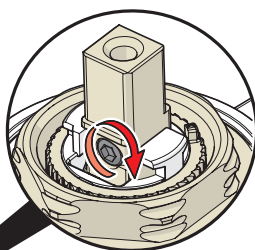
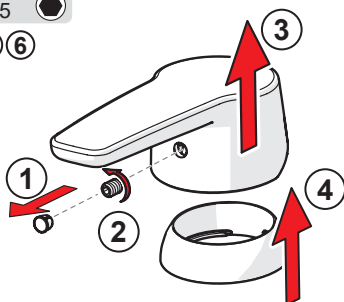


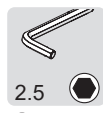
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2.5 6

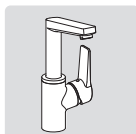




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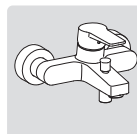
A



A



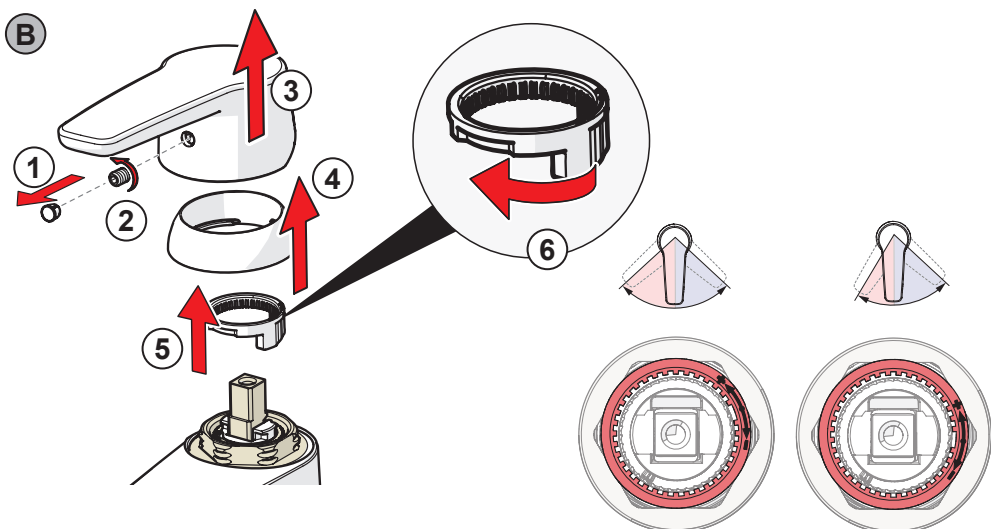
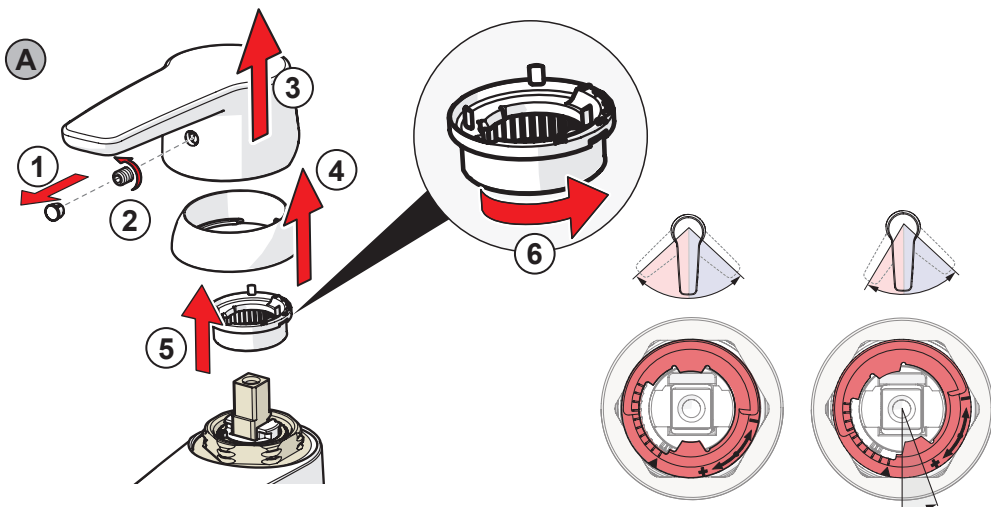
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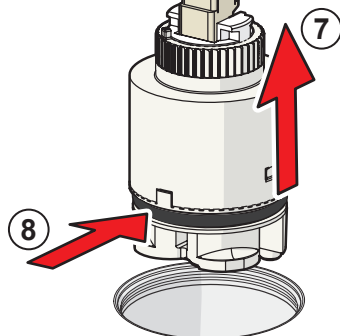
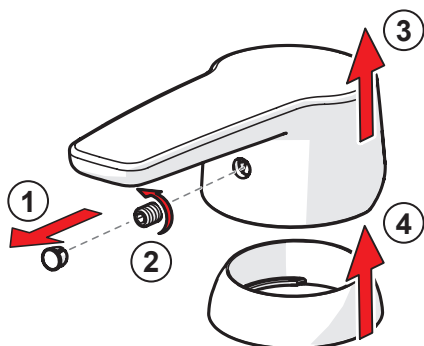
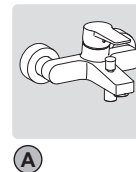
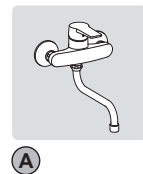
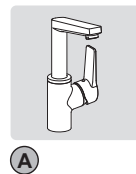
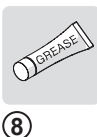
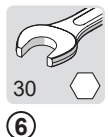
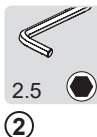
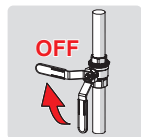


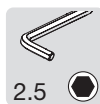
A



B







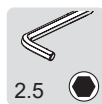
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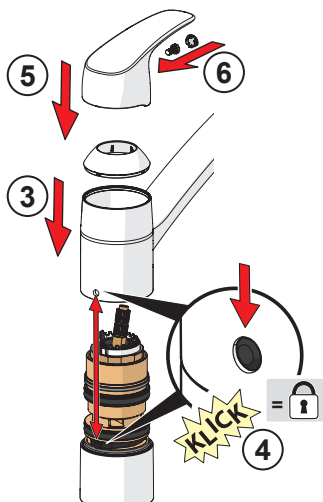
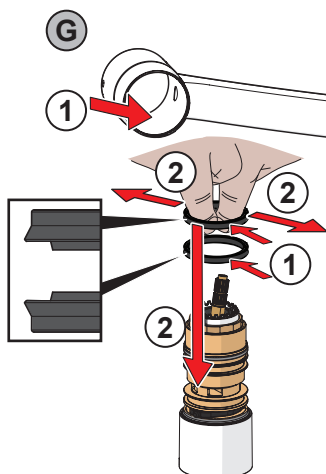
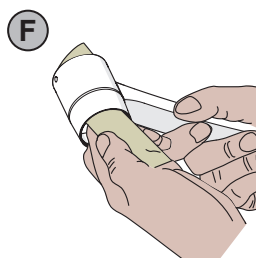
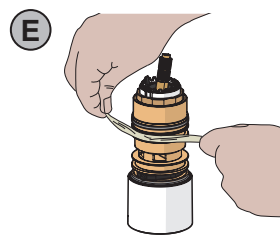
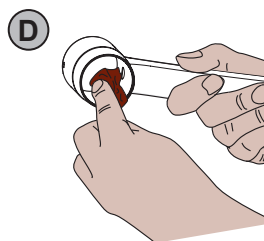
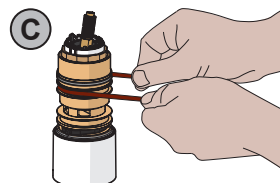
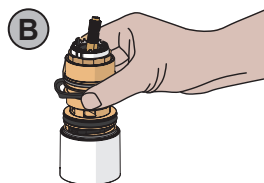
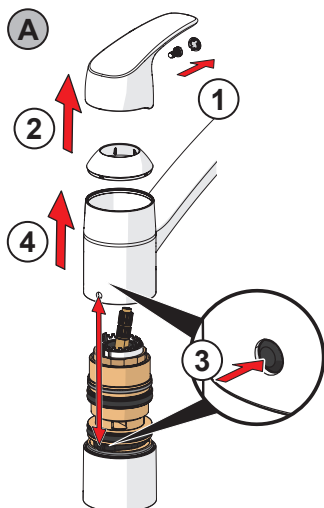
G1



G2

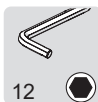


G6





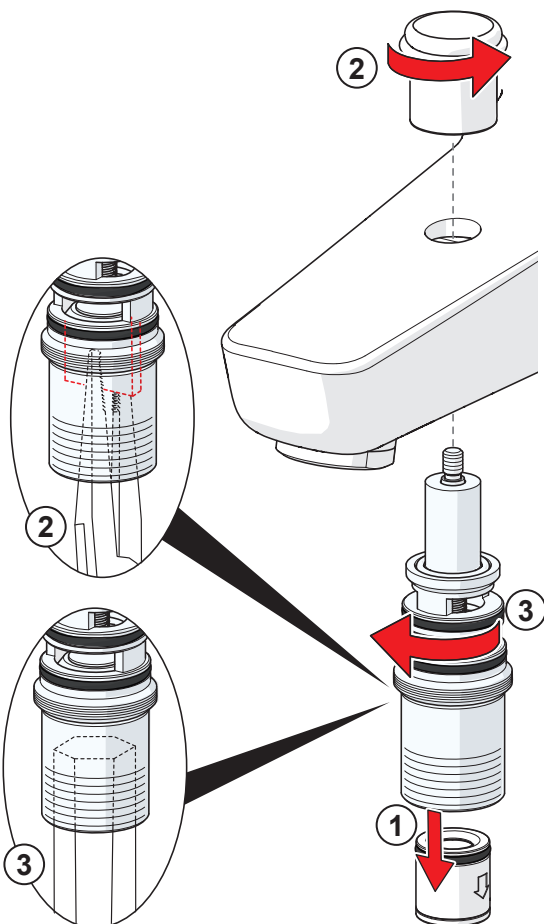
① ②

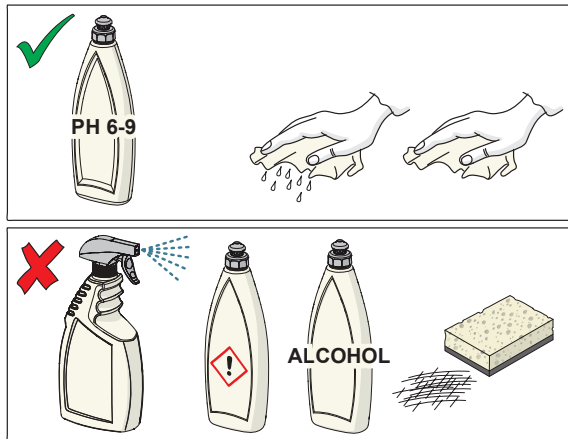
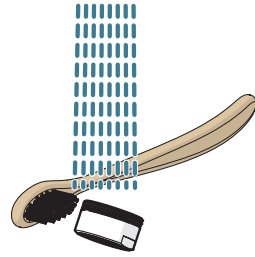
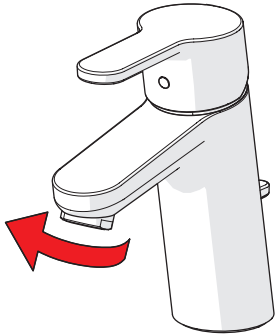


③



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 three manufacturing sites: Kralovice (Czech Republic), 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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