



# Oras Safira

Installation and maintenance guide







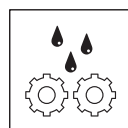
4-13



14-18



18



19-25

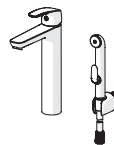
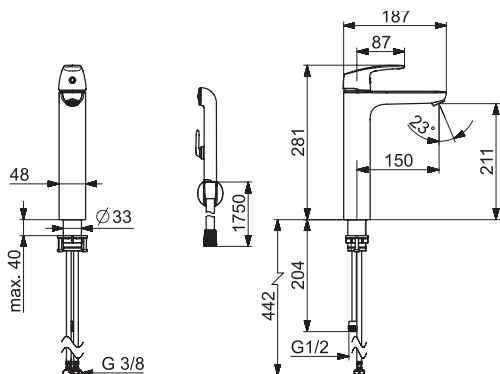


26



## 1002F, 1002F-33

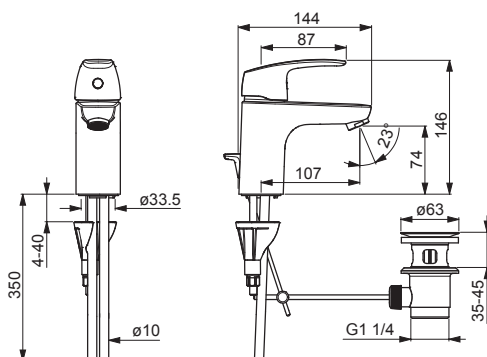
I (ISO 3822)  
EN 817  
50 - 1000 kPa  
0.2 l/s (300 kPa)  
75 kPa (0.1 l/s)  
max. +80°C



[mpi.oras.com/1002F](http://mpi.oras.com/1002F)

## 1004

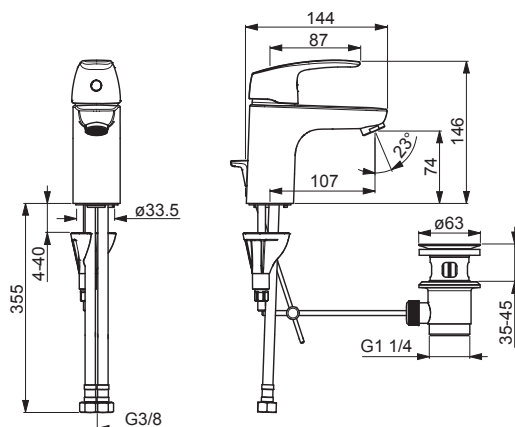
I (ISO 3822)  
EN 817  
50 - 1000 kPa  
0.2 l/s (300 kPa)  
75 kPa (0.1 l/s)  
max. +80°C



[mpi.oras.com/1004](http://mpi.oras.com/1004)

## 1004F

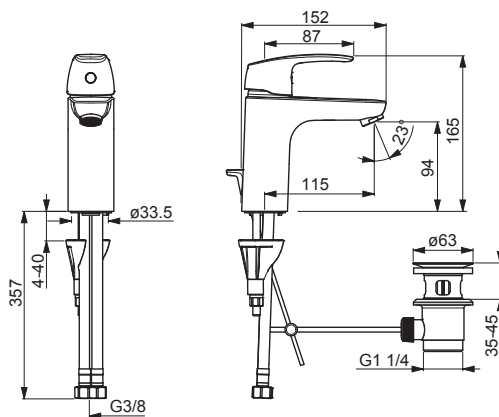
I (ISO 3822) Oras lab.  
EN 817  
50 - 1000 kPa  
0.18 l/s (300 kPa)  
95 kPa (0.1 l/s)  
max. +80°C



[mpi.oras.com/1004F](http://mpi.oras.com/1004F)

## 1005F

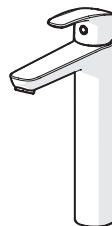
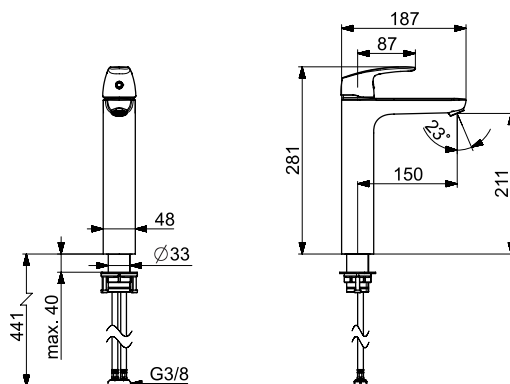
I (ISO 3822)  
 EN 817  
 50 - 1000 kPa  
 0.18 l/s (300 kPa)  
 95 kPa (0.1 l/s)  
 max. +80°C



[mpi.oras.com/1005F](http://mpi.oras.com/1005F)

## 1006F, 1006F-33

I (ISO 3822)  
 EN 817  
 50 - 1000 kPa  
 0.18 l/s (300 kPa)  
 95 kPa (0.1 l/s)  
 max. +80°C

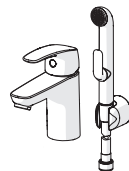
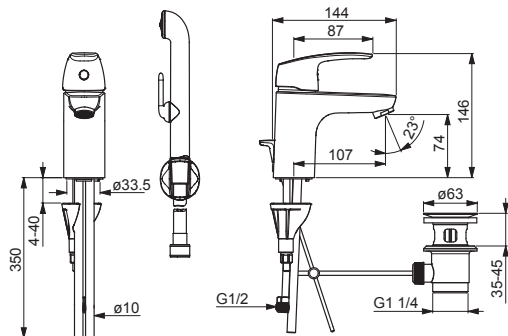


[mpi.oras.com/1006F](http://mpi.oras.com/1006F)



## 1008

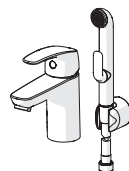
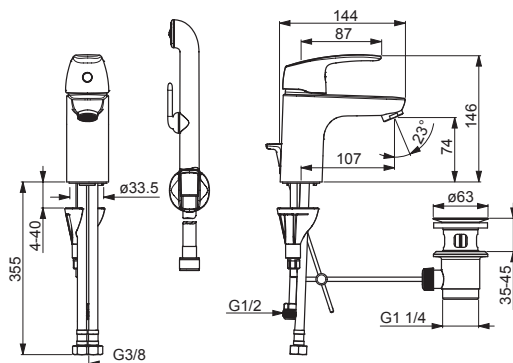
I (ISO 3822)  
EN 817  
50 - 1000 kPa  
0.15 l/s (300 kPa)  
130 kPa (0.1 l/s)  
max. +80°C



[mpi.oras.com/1008](http://mpi.oras.com/1008)

## 1008F

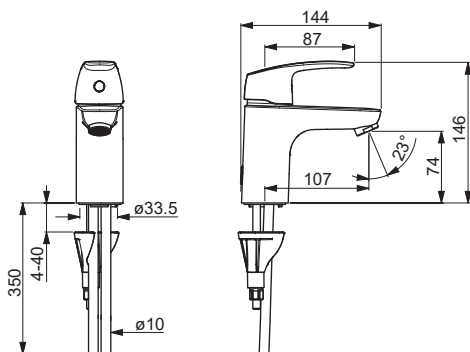
I (ISO 3822) Oras lab.  
EN 817  
50 - 1000 kPa  
0.13 l/s (300 kPa)  
160 kPa (0.1 l/s)  
max. +80°C



[mpi.oras.com/1008F](http://mpi.oras.com/1008F)

## 1010

I (ISO 3822)  
EN 817  
50 - 1000 kPa  
0.2 l/s (300 kPa)  
75 kPa (0.1 l/s)  
max. +80°C



[mpi.oras.com/1010](http://mpi.oras.com/1010)

## 1010F , 1010F-104 , 1010F-105

I (ISO 3822) Oras lab.

EN 817

50 - 1000 kPa

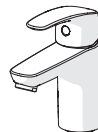
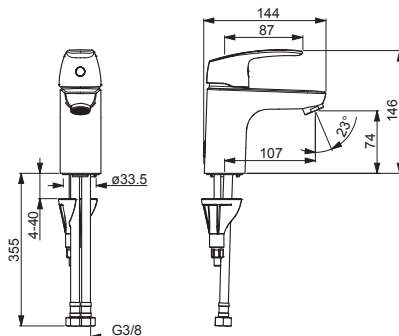
0.18 l/s (300 kPa)

0.056 l/s (300 kPa w/Controller) 1010F-104

0.07 l/s (300 kPa w/Controller) 1010F-105

95 kPa (0.1 l/s)

max. +80°C



[mpi.oras.com/1010F](http://mpi.oras.com/1010F)

## 1011F

I (ISO 3822)

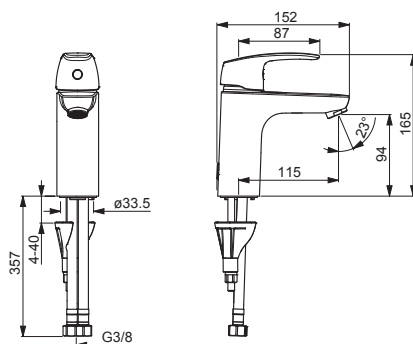
EN 817

50 - 1000 kPa

0.18 l/s (300 kPa)

95 kPa (0.1 l/s)

max. +80°C



[mpi.oras.com/1011F](http://mpi.oras.com/1011F)

## 1001F

I (ISO 3822) Oras lab.

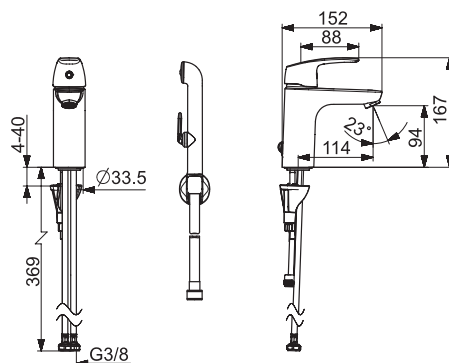
EN 817

50 - 1000 kPa

0.13 l/s (300 kPa)

160 kPa (0.1 l/s)

max. +80°C

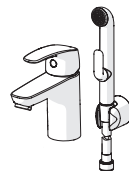
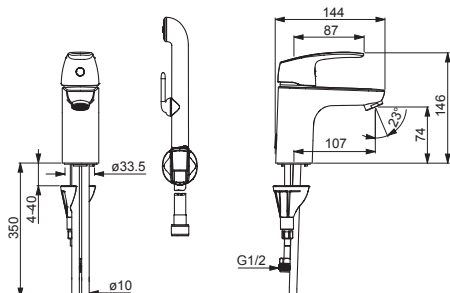


[mpi.oras.com/1001F](http://mpi.oras.com/1001F)



## 1012

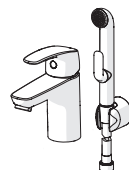
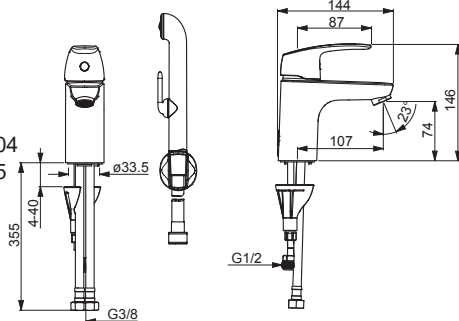
I (ISO 3822)  
EN 817  
50 - 1000 kPa  
0.15 l/s (300 kPa)  
130 kPa (0.1 l/s)  
max. +80°C



[mpi.oras.com/1012](http://mpi.oras.com/1012)

## 1012F , 1012F-104 , 1012F-105

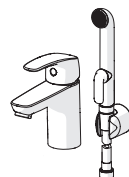
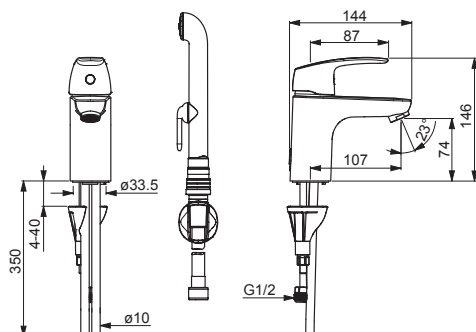
I (ISO 3822) Oras lab.  
EN 817  
50 - 1000 kPa  
0.13 l/s (300 kPa)  
0.056 l/s (300 kPa w/Controller) 1012F-104  
0.07 l/s (300 kPa w/Controller) 1012F-105  
160 kPa (0.1 l/s)  
max. +80°C



[mpi.oras.com/1012F](http://mpi.oras.com/1012F)

## 1012M

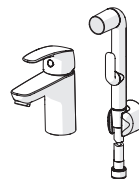
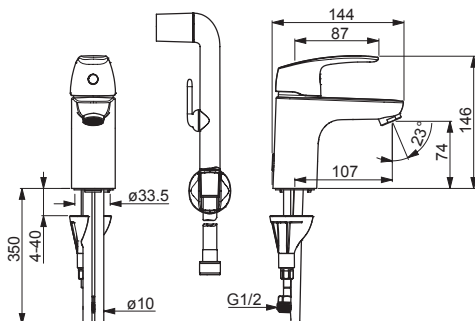
I (ISO 3822) Oras lab.  
EN 817  
50 - 1000 kPa  
0.15 l/s (300 kPa)  
130 kPa (0.1 l/s)  
max. +80°C



[mpi.oras.com/1012M](http://mpi.oras.com/1012M)

## 1017

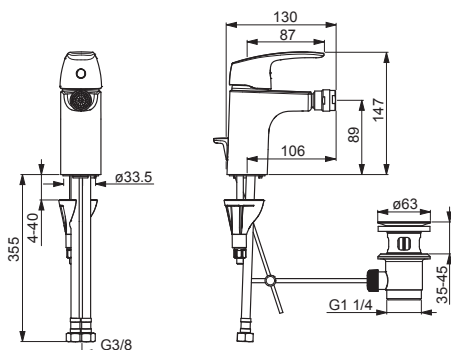
I (ISO 3822)  
EN 817  
50 - 1000 kPa  
0.15 l/s (300 kPa)  
130 kPa (0.1 l/s)  
max. +80°C



[mpi.oras.com/1017](http://mpi.oras.com/1017)

## 1018F

I (ISO 3822) Oras lab.  
EN 817  
50 - 1000 kPa  
0.17 l/s (300 kPa)  
100 kPa (0.1 l/s)  
max. +80°C

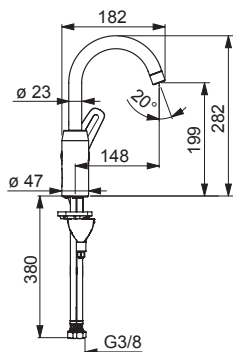
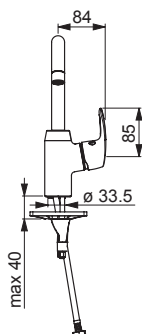


[mpi.oras.com/1018F](http://mpi.oras.com/1018F)



## 1007F

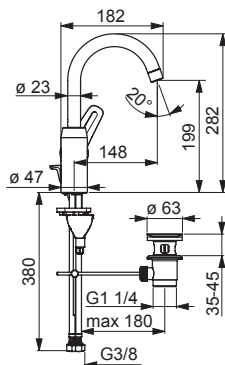
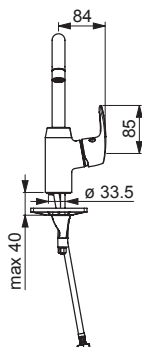
I (ISO 3822)  
EN 817  
50 - 1000 kPa  
0.17 l/s (300 kPa)  
100 kPa (0.1 l/s)  
max. +80°C



[mpi.oras.com/1007F](http://mpi.oras.com/1007F)

## 1009F

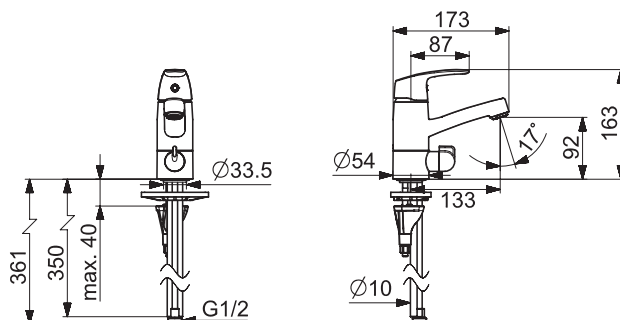
I (ISO 3822) Oras lab.  
EN 817  
50 - 1000 kPa  
0.17 l/s (300 kPa)  
100 kPa (0.1 l/s)  
max. +80°C



[mpi.oras.com/1009F](http://mpi.oras.com/1009F)

## 1013

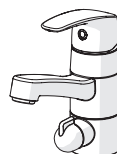
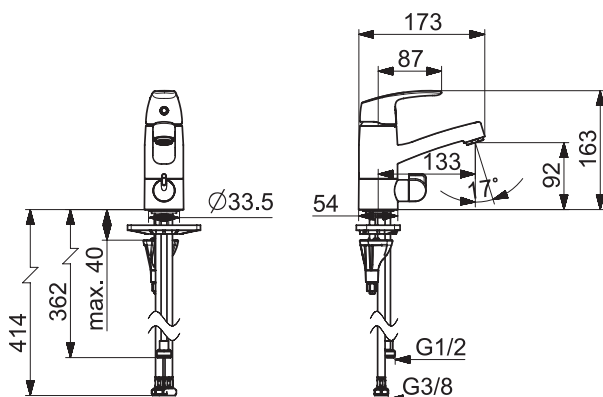
I (ISO 3822)  
EN 817  
50 - 1000 kPa  
0.2 l/s (300 kPa)  
75 kPa (0.1 l/s)  
max. +80°C



[mpi.oras.com/1013](http://mpi.oras.com/1013)

## 1013F

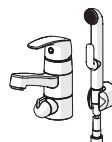
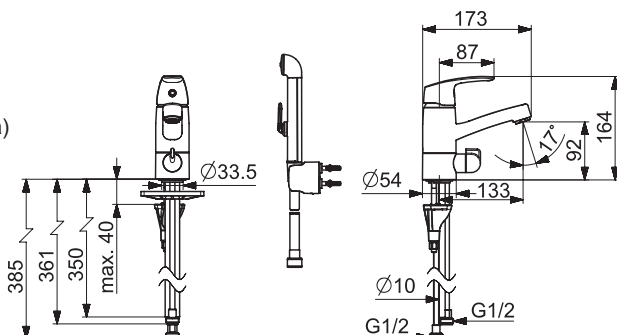
I (ISO 3822)  
EN 817  
50 - 1000 kPa  
0.19 l/s (300 kPa)  
90 kPa (0.2 l/s)  
max. +80°C



[mpi.oras.com/1013F](http://mpi.oras.com/1013F)

## 1014

I (ISO 3822)  
EN 817  
50 - 1000 kPa  
0.15 l/s (300 kPa)  
130 kPa (0.1 l/s)  
max. +80°C

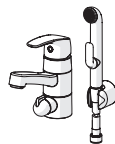
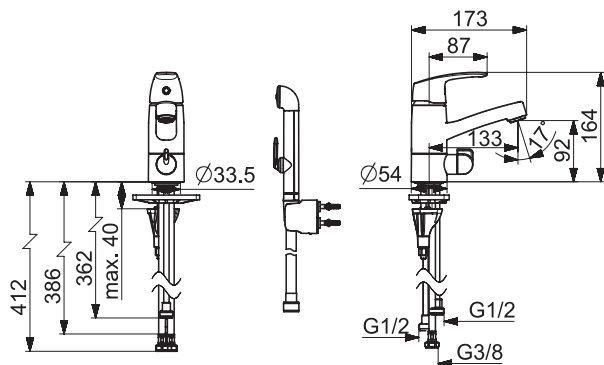


[mpi.oras.com/1014](http://mpi.oras.com/1014)



## 1014F

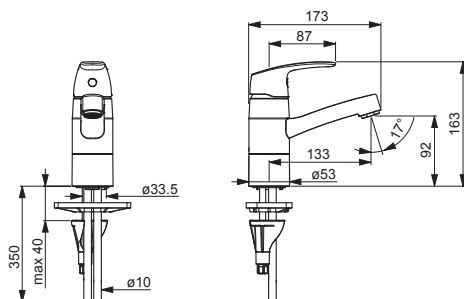
I (ISO 3822)  
EN 817  
50 - 1000 kPa  
0.14 l/s (300 kPa)  
160 kPa (0.2 l/s)  
max. +80°C



[mpi.oras.com/1014F](http://mpi.oras.com/1014F)

## 1015

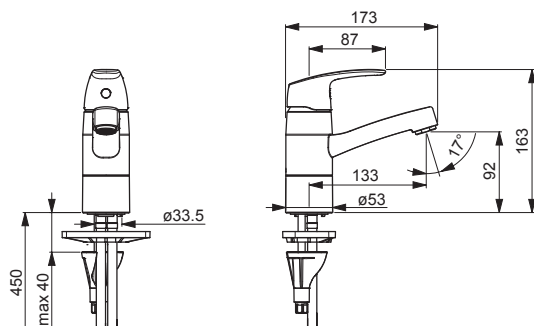
I (ISO 3822)  
EN 817  
50 - 1000 kPa  
0.2 l/s (300 kPa)  
75 kPa (0.1 l/s)  
max. +80°C



[mpi.oras.com/1015](http://mpi.oras.com/1015)

## 1015F

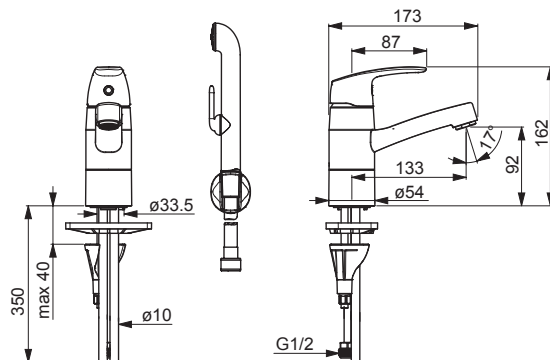
I (ISO 3822) Oras lab.  
EN 817  
50 - 1000 kPa  
0.18 l/s (300 kPa)  
95 kPa (0.1 l/s)  
max. +80°C



[mpi.oras.com/1015F](http://mpi.oras.com/1015F)

## 1021

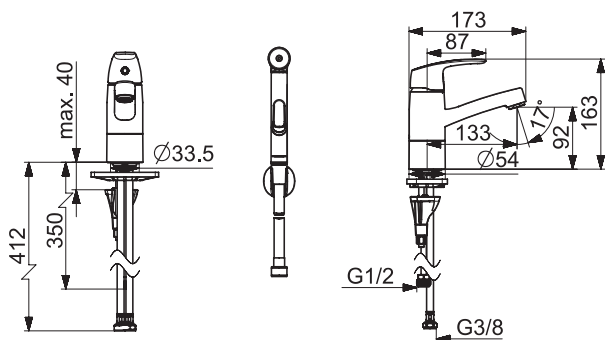
I (ISO 3822)  
EN 817  
50 - 1000 kPa  
0.15 l/s (300 kPa)  
130 kPa (0.1 l/s)  
max. +80°C



[mpi.oras.com/1021](http://mpi.oras.com/1021)

## 1021F

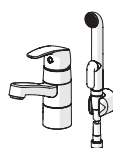
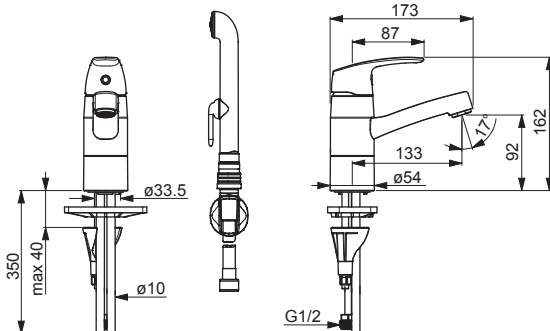
I (ISO 3822)  
EN 817  
50 - 1000 kPa  
0.14 l/s (300 kPa)  
160 kPa (0.2 l/s)  
max. +80°C



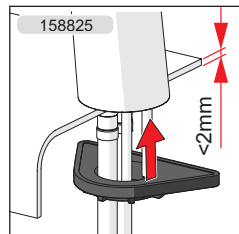
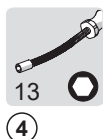
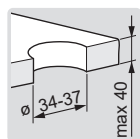
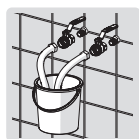
[mpi.oras.com/1021F](http://mpi.oras.com/1021F)

## 1021M

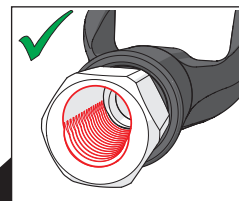
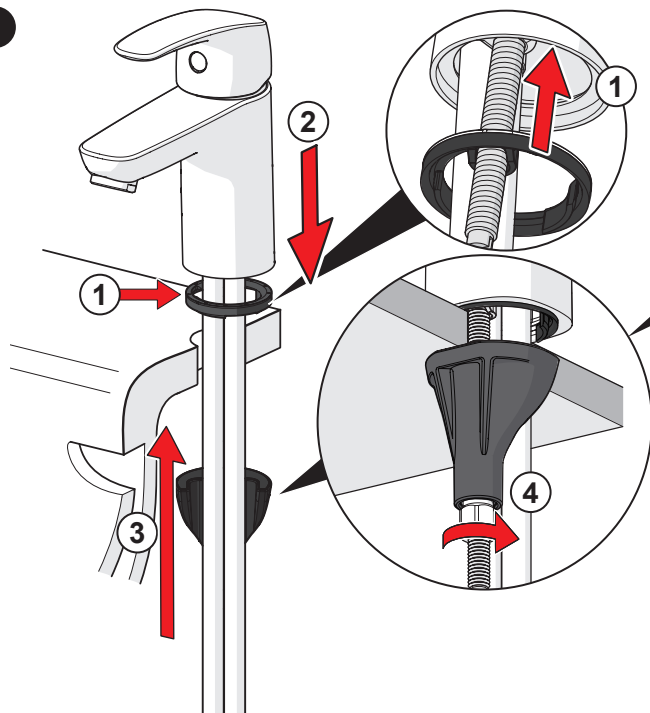
I (ISO 3822)  
EN 817  
50 - 1000 kPa  
0.15 l/s (300 kPa)  
130 kPa (0.1 l/s)  
max. +80°C

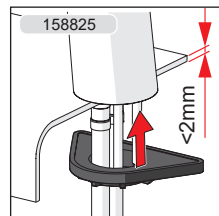
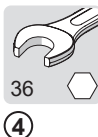
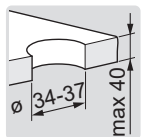
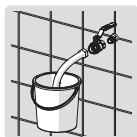
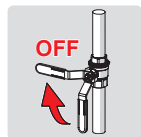


[mpi.oras.com/1021M](http://mpi.oras.com/1021M)

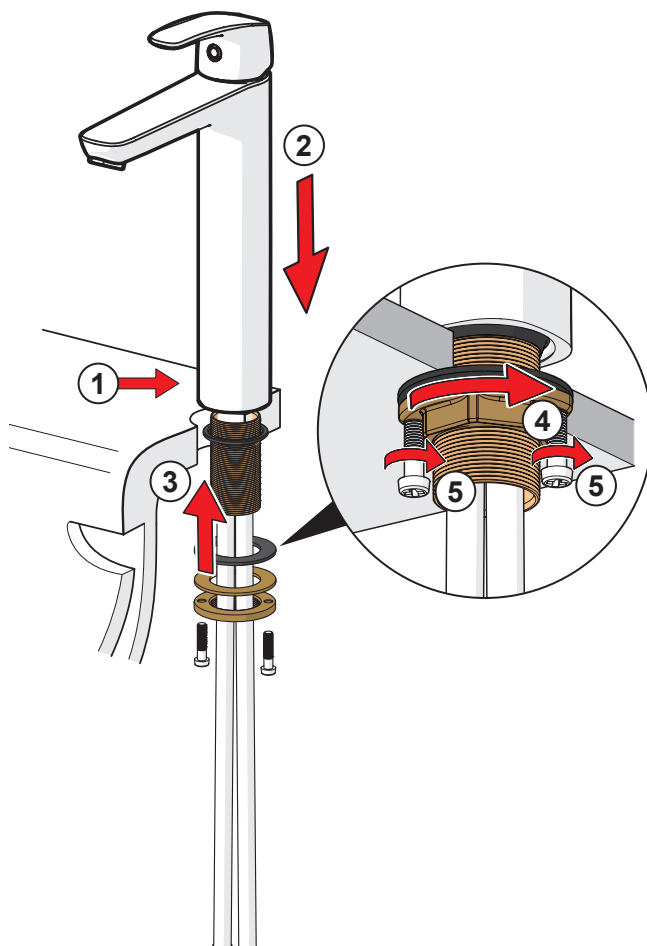


1





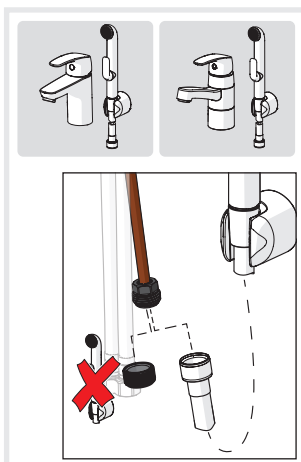
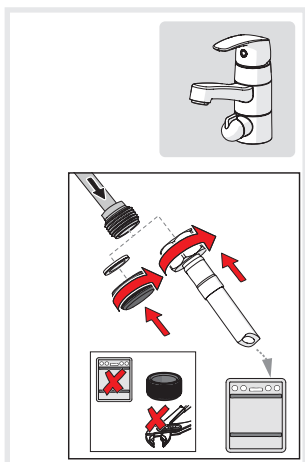
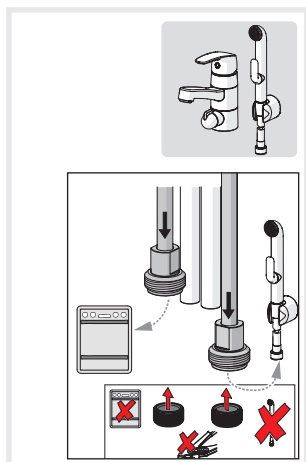
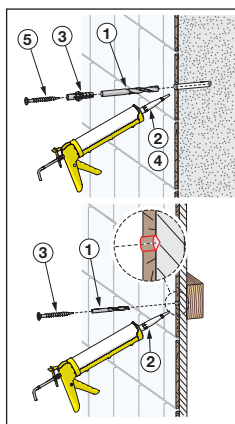
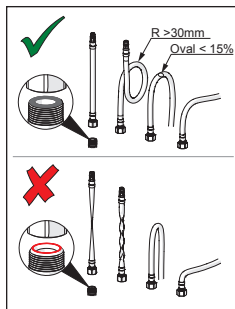
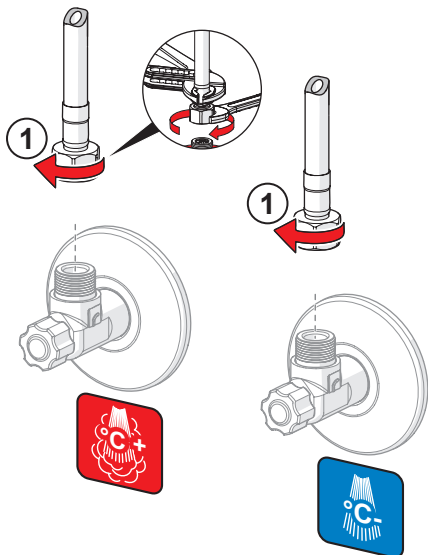
1





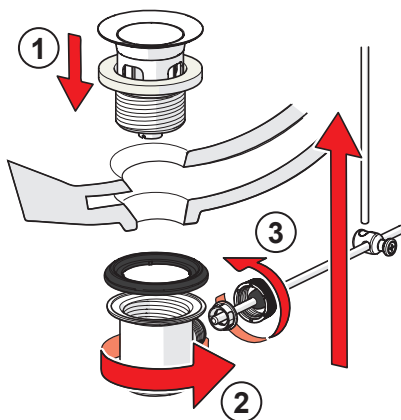
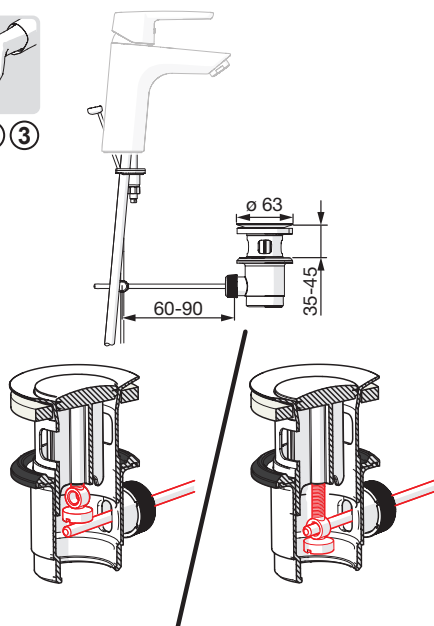
①

max.  
1600 kPa



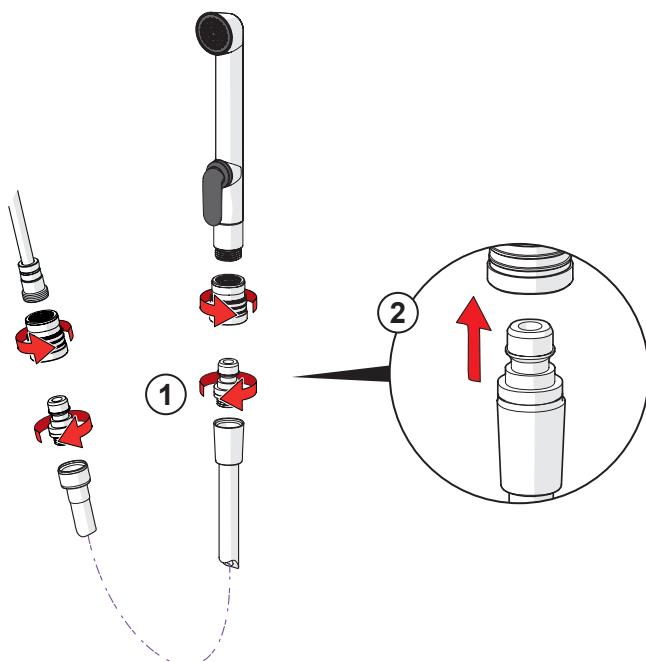


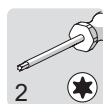
① ② ③



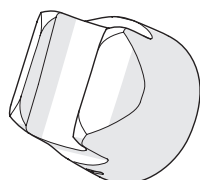
① ②

② 1012M, 1021M

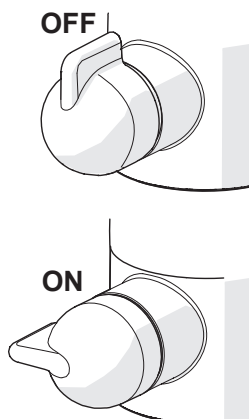
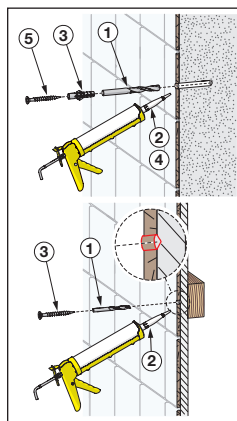
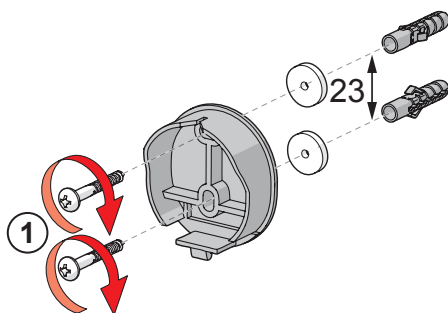




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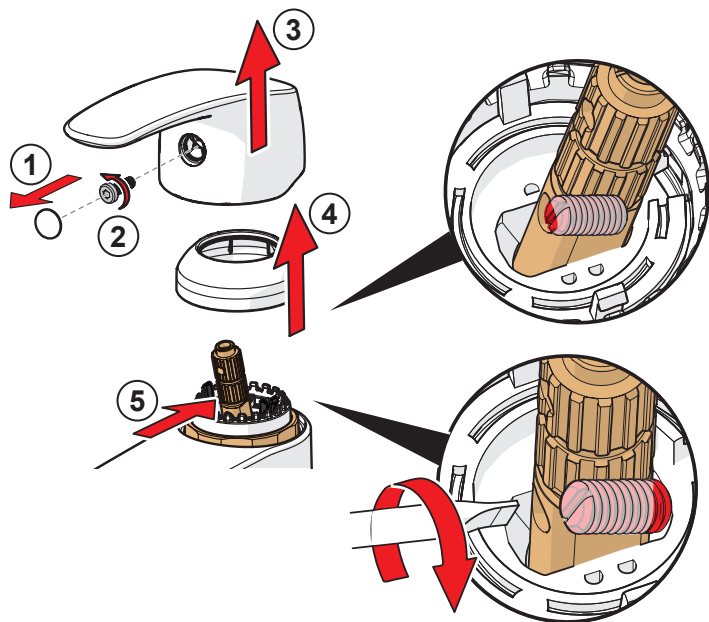
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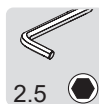




②

⑤

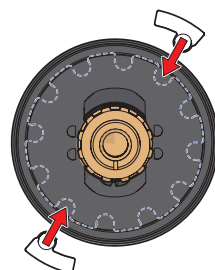
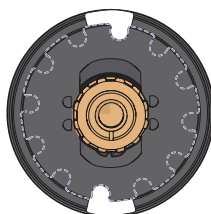
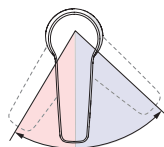
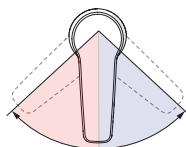
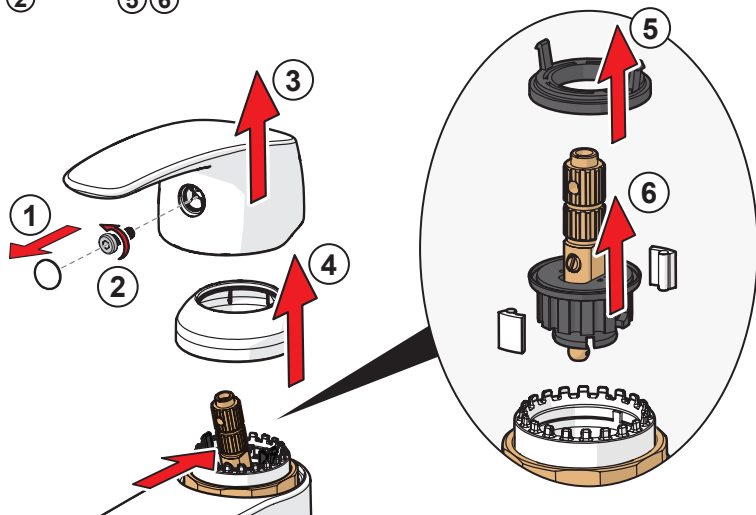


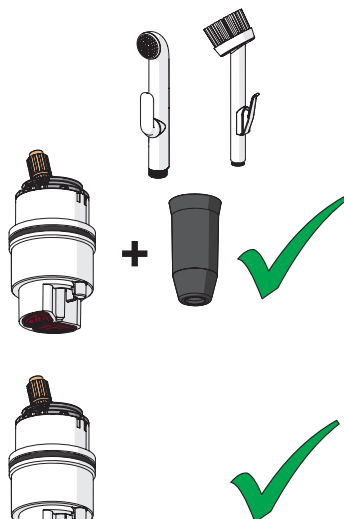
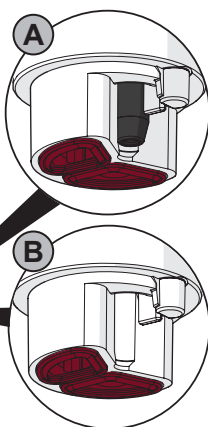
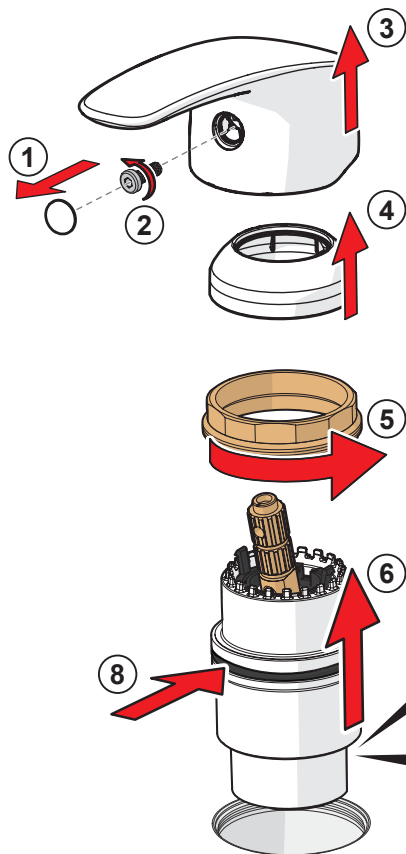
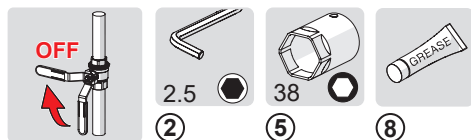


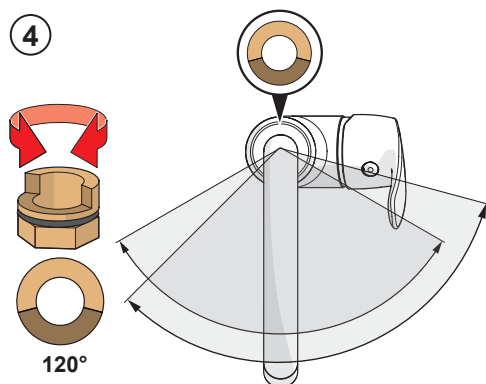
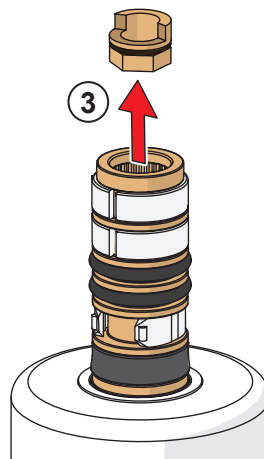
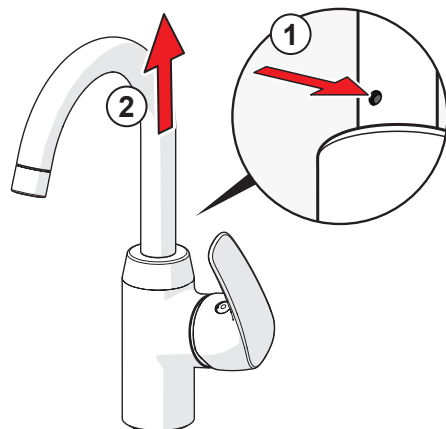
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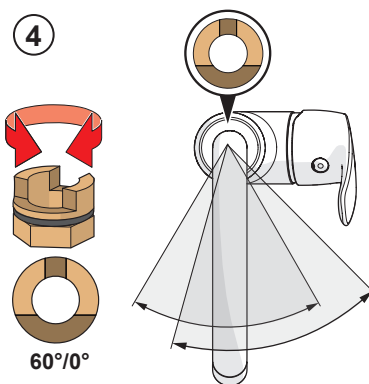
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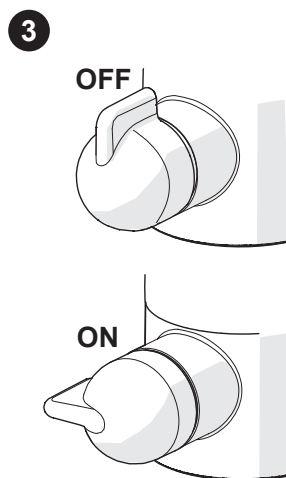
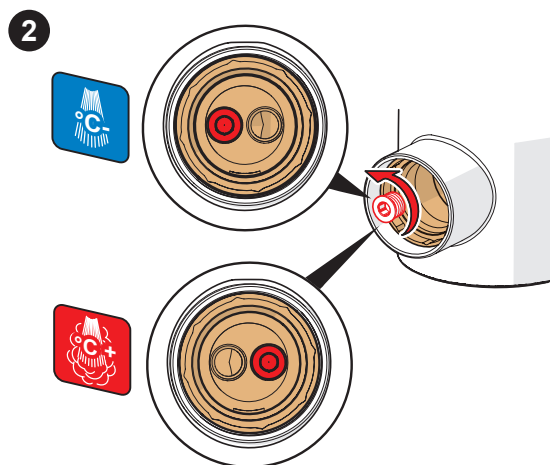
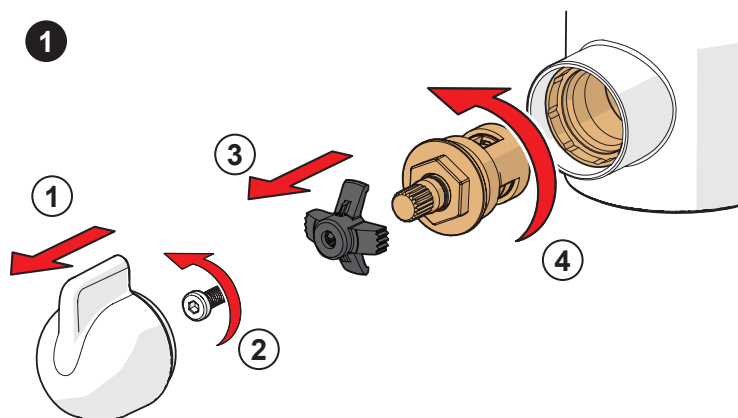
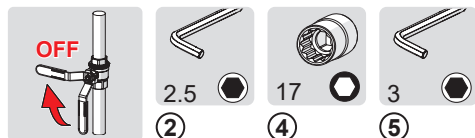


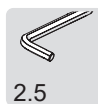


159670/10



159667/10





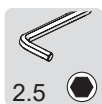
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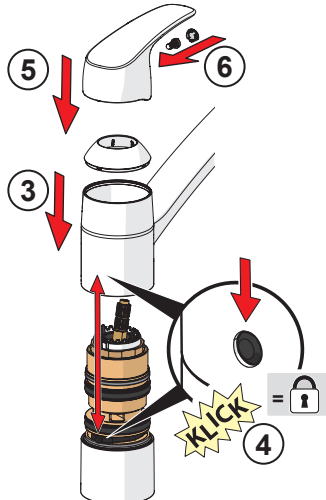
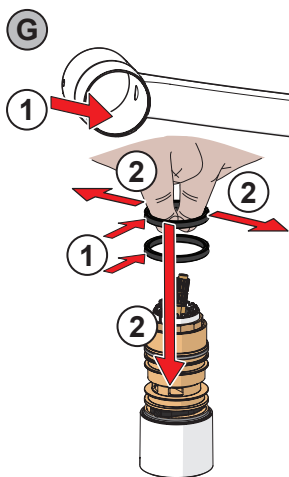
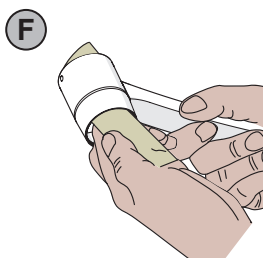
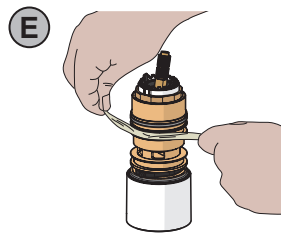
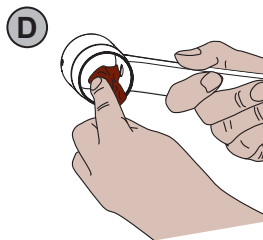
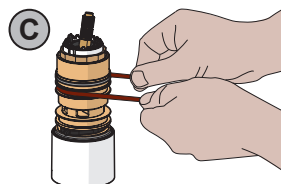
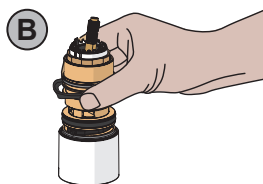
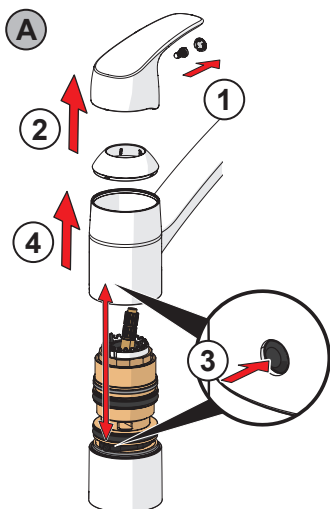
G1

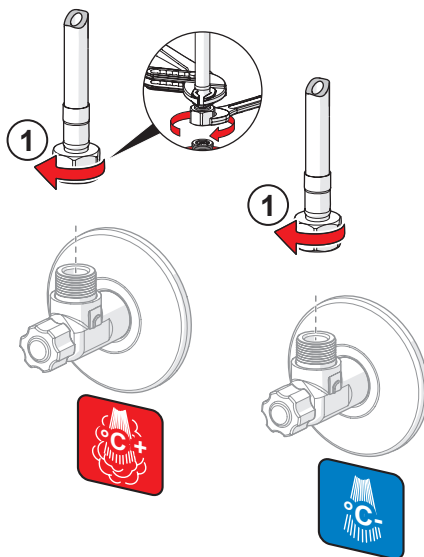
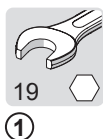


G2

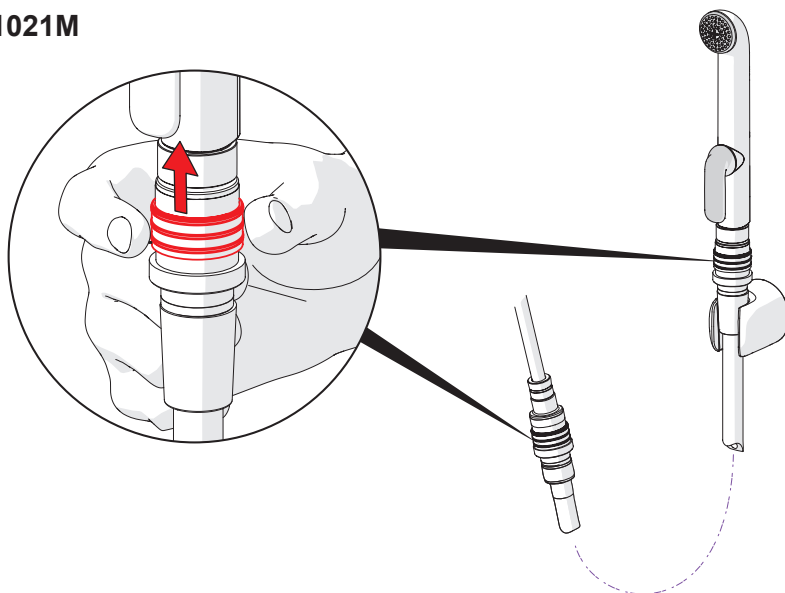


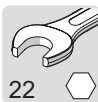
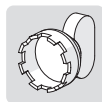
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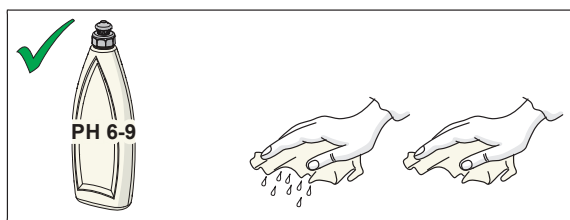
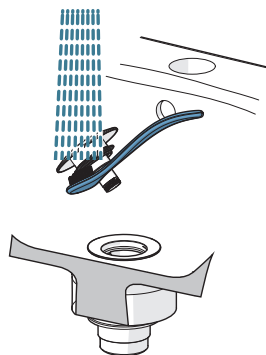
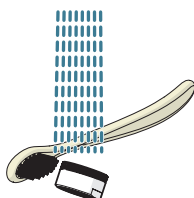
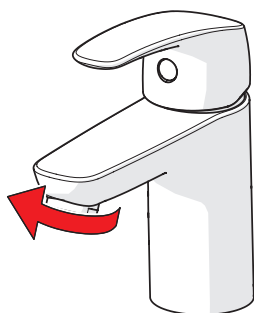


1012M, 1021M





22



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