



# Oras Saga

Installation and maintenance guide







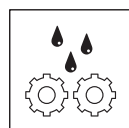
4-11



12-17



18



18-22

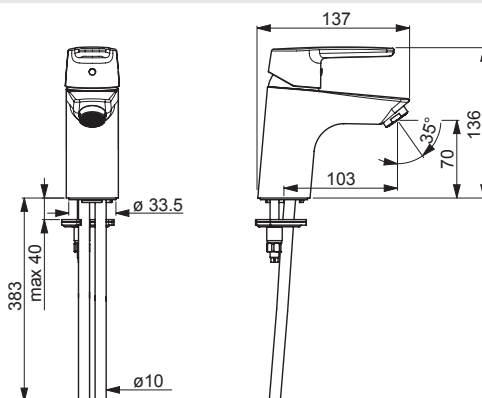


23



## 3910

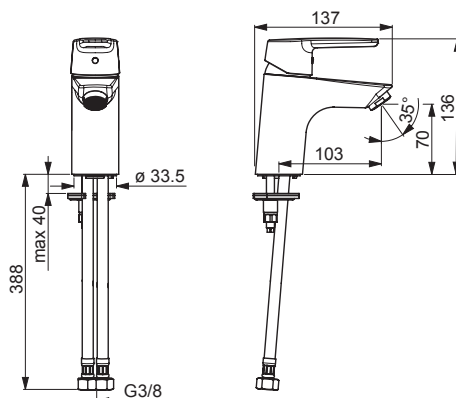
I (ISO 3822) Oras lab.  
EN 817  
50 - 1000 kPa  
0.1 l/s (300 kPa w/Controller)  
200 kPa (0.1 l/s)  
max. +80°C



[mpi.oras.com/3910](http://mpi.oras.com/3910)

## 3910F , 3910FK

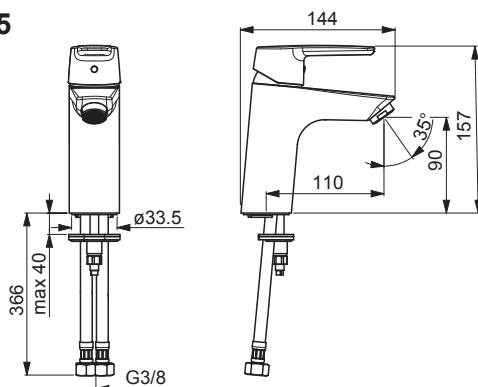
I (ISO 3822) Oras lab.  
EN 817  
50 - 1000 kPa  
0.1 l/s (300 kPa w/Controller)  
200 kPa (0.1 l/s)  
max. +70°C



[mpi.oras.com/3910F](http://mpi.oras.com/3910F)

## 3911F, 3911F-104, 3911F-105

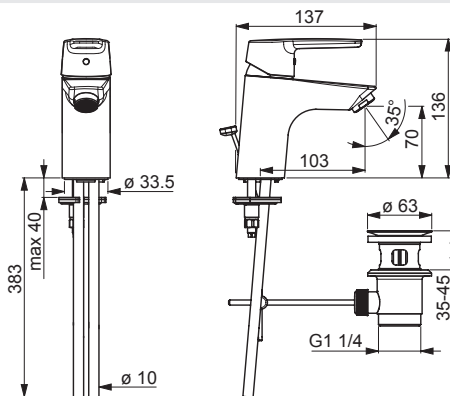
I (ISO 3822) Oras lab.  
EN 817  
50 - 1000 kPa  
0.1 l/s (300 kPa w/Controller)  
0.056 l/s (300 kPa w/Controller) (-104)  
0.07 l/s (300 kPa w/Controller) (-105)  
200 kPa (0.1 l/s)  
max. +80°C



[mpi.oras.com/3911F](http://mpi.oras.com/3911F)

## 3904

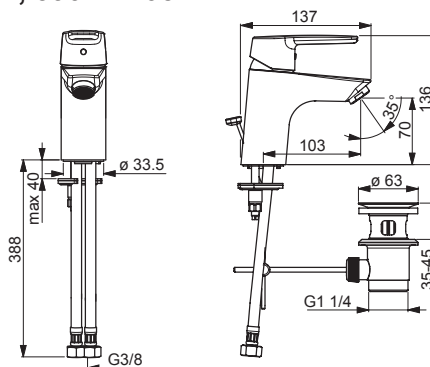
I (ISO3822) Oras lab.  
 EN 817  
 50 - 1000 kPa  
 0.1 l/s (300 kPa w/Controller)  
 200 kPa (0.1 l/s)  
 max. +80°C



[mpi.oras.com/3904](http://mpi.oras.com/3904)

## 3904F , 3904F-102 , 3904F-104 , 3904F-105

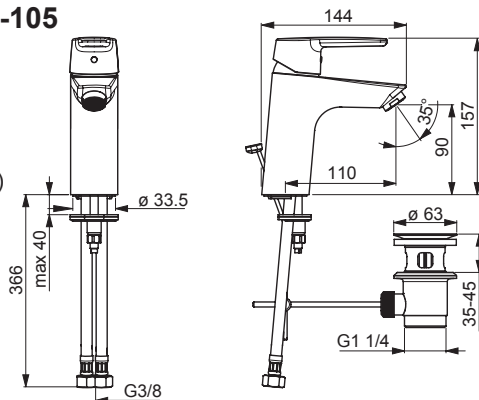
I (ISO 3822) Oras lab.  
 EN 817  
 50 - 1000 kPa  
 0.1 l/s (300 kPa w/Controller)  
 0.028 l/s (300 kPa w/Controller) (-102)  
 0.056 l/s (300 kPa w/Controller) (-104)  
 0.07 l/s (300 kPa w/Controller) (-105)  
 200 kPa (0.1 l/s)  
 max. +70°C



[mpi.oras.com/3904F](http://mpi.oras.com/3904F)

## 3914F , 3914F-104 , 3914F-105

I (ISO 3822) Oras lab.  
 EN 817  
 50 - 1000 kPa  
 0.1 l/s (300 kPa w/Controller)  
 0.056 l/s (300 kPa w/Controller) (-104)  
 0.07 l/s (300 kPa w/Controller) (-105)  
 200 kPa (0.1 l/s)  
 max. +70°C

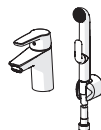
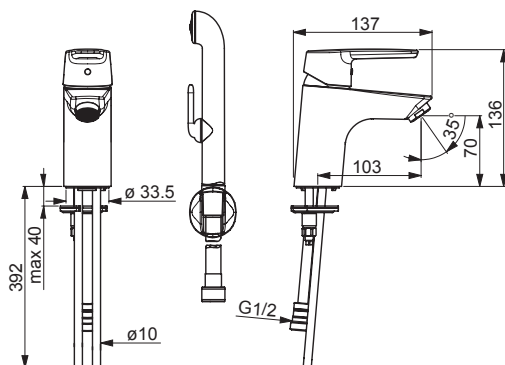


[mpi.oras.com/3914F](http://mpi.oras.com/3914F)



## 3912

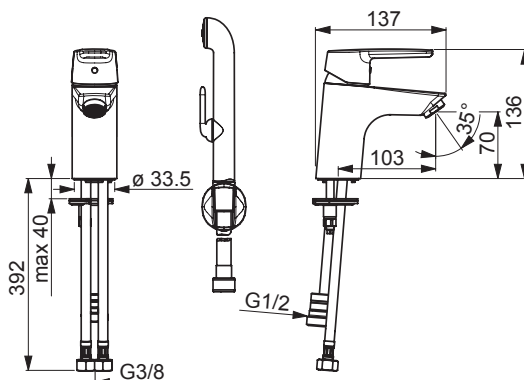
I (ISO 3822) Oras lab.  
EN 817, EN 1113  
50 - 1000 kPa  
0.1 l/s (300 kPa w/Controller)  
200 kPa (0.1 l/s)  
max. +80°C



[mpi.oras.com/3912](http://mpi.oras.com/3912)

## 3912F

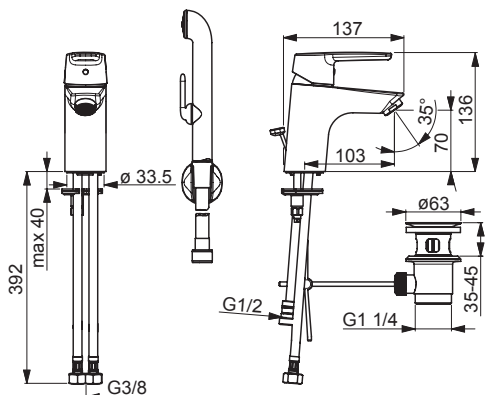
I (ISO 3811) Oras lab.  
EN 817, EN 1113  
50 - 1000 kPa  
0.1 l/s (300 kPa w/Controller)  
200 kPa (0.1 l/s)  
max. +70°C



[mpi.oras.com/3912F](http://mpi.oras.com/3912F)

## 3908F

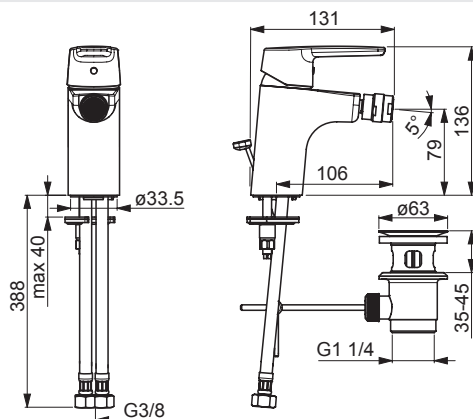
I (ISO 3822) Oras lab.  
EN 817, EN 1113  
50 - 1000 kPa  
0.1 l/s (300 kPa w/Controller)  
200 kPa (0.1 l/s)  
max. +70°C



[mpi.oras.com/3908F](http://mpi.oras.com/3908F)

## 3918F

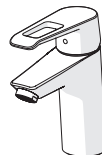
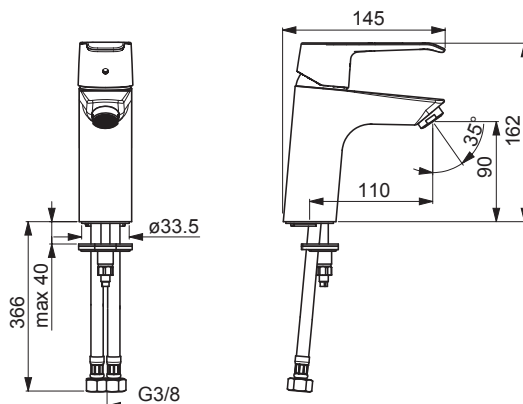
I (ISO 3822) Oras lab.  
EN 817  
50 - 1000 kPa  
0.1 l/s (300 kPa w/Controller)  
200 kPa (0.1 l/s)  
max. +70°C



[mpi.oras.com/3918F](http://mpi.oras.com/3918F)

## 3991F

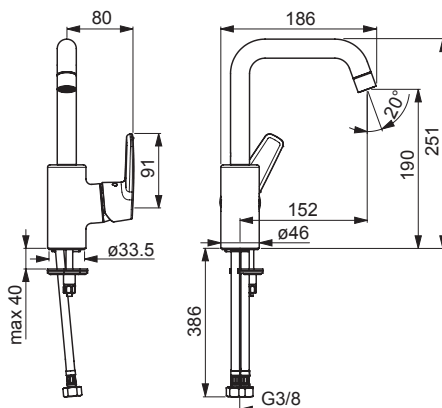
I (ISO 3822) Oras lab.  
EN 817  
50 - 1000 kPa  
0.1 l/s (300 kPa w/Controller)  
200 kPa (0.1 l/s)  
max. +70°C



[mpi.oras.com/3991F](http://mpi.oras.com/3991F)

## 3907F

I (ISO 3822) Oras lab.  
EN 817  
50 - 1000 kPa  
0.1 l/s (300 kPa w/Controller)  
200 kPa (0.1 l/s)  
max. +70°C

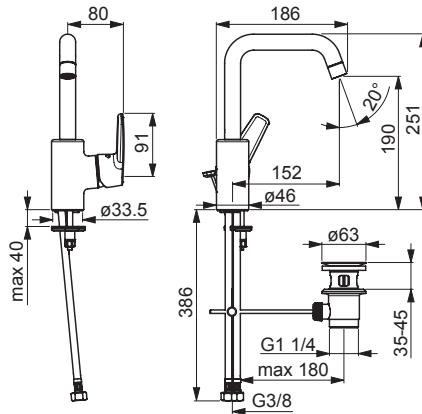


[mpi.oras.com/3907F](http://mpi.oras.com/3907F)



## 3909F

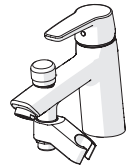
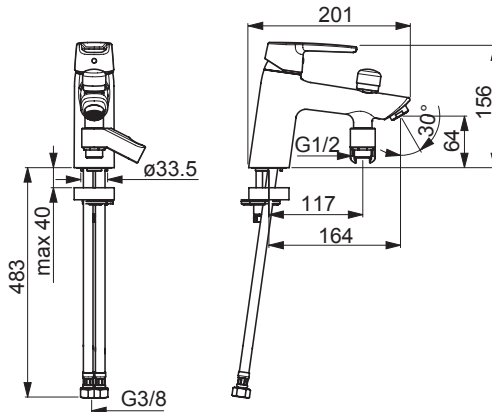
I (ISO 3822) Oras lab.  
EN 817  
50 - 1000 kPa  
0.1 l/s (300 kPa w/Controller)  
200 kPa (0.1 l/s)  
max. +70°C



[mpi.oras.com/3909F](http://mpi.oras.com/3909F)

## 3946F

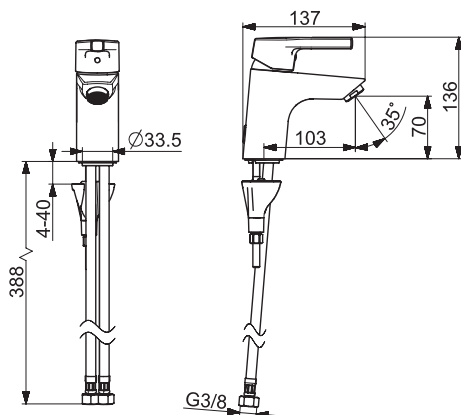
II (ISO 3822)  
EN 817  
50 - 1000 kPa  
0.34 / 0.32 l/s (300 kPa)  
250 kPa (0.3 l/s)  
max. +70°C



[mpi.oras.com/3946F](http://mpi.oras.com/3946F)

## 3910FH , 3910FHK

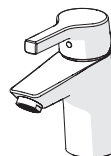
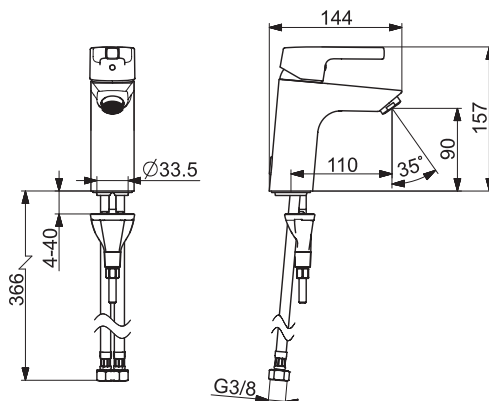
I (ISO3822)  
EN 817  
50 - 1000 kPa  
0.1 l/s (300 kPa w/Controller)  
max. +70°C



[mpi.oras.com/3910FH](http://mpi.oras.com/3910FH)

## 3911FH

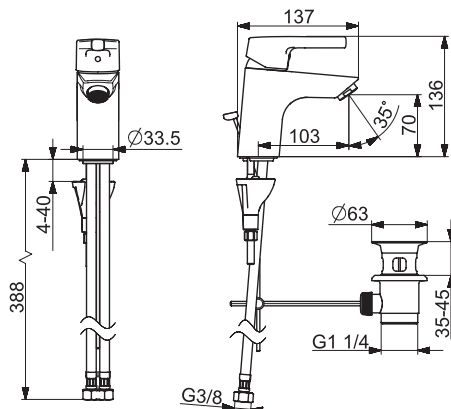
I (ISO3822)  
EN 817  
50 - 1000 kPa  
0.1 l/s (300 kPa w/Controller)  
max. +70°C



[mpi.oras.com/3911FH](http://mpi.oras.com/3911FH)

## 3904FH

I (ISO3822)  
EN 817  
50 - 1000 kPa  
0.1 l/s (300 kPa w/Controller)  
max. +70°C

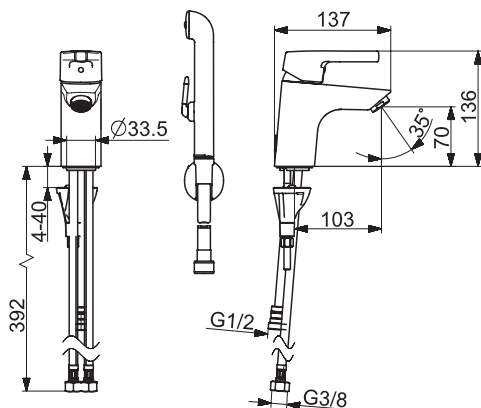


[mpi.oras.com/3904FH](http://mpi.oras.com/3904FH)



## 3912FH

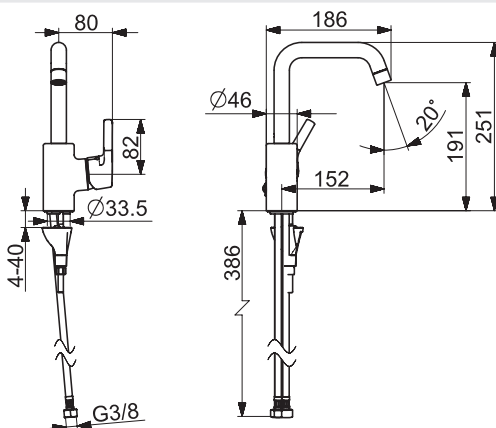
I (ISO3822)  
EN 817, EN 1113  
50 - 1000 kPa  
0.1 l/s (300 kPa w/Controller)  
max. +70°C



[mpi.oras.com/3912FH](http://mpi.oras.com/3912FH)

## 3907FH

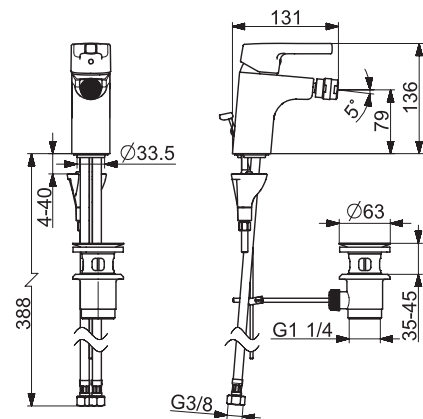
I (ISO3822)  
EN 817  
50 - 1000 kPa  
0.1 l/s (300 kPa w/Controller)  
max. +70°C



[mpi.oras.com/3907FH](http://mpi.oras.com/3907FH)

## 3918FH

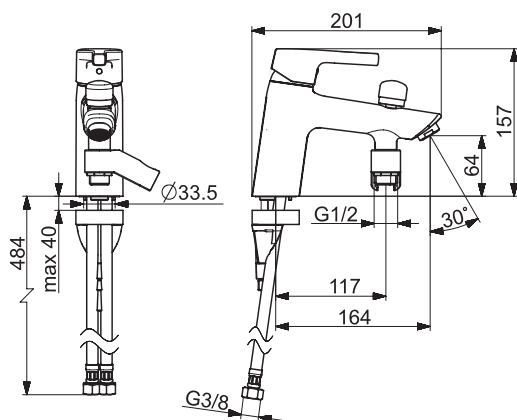
I (ISO3822)  
EN 817  
50 - 1000 kPa  
0.1 l/s (300 kPa w/Controller)  
max. +70°C



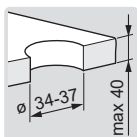
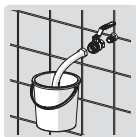
[mpi.oras.com/3918FH](http://mpi.oras.com/3918FH)

## 3946FH

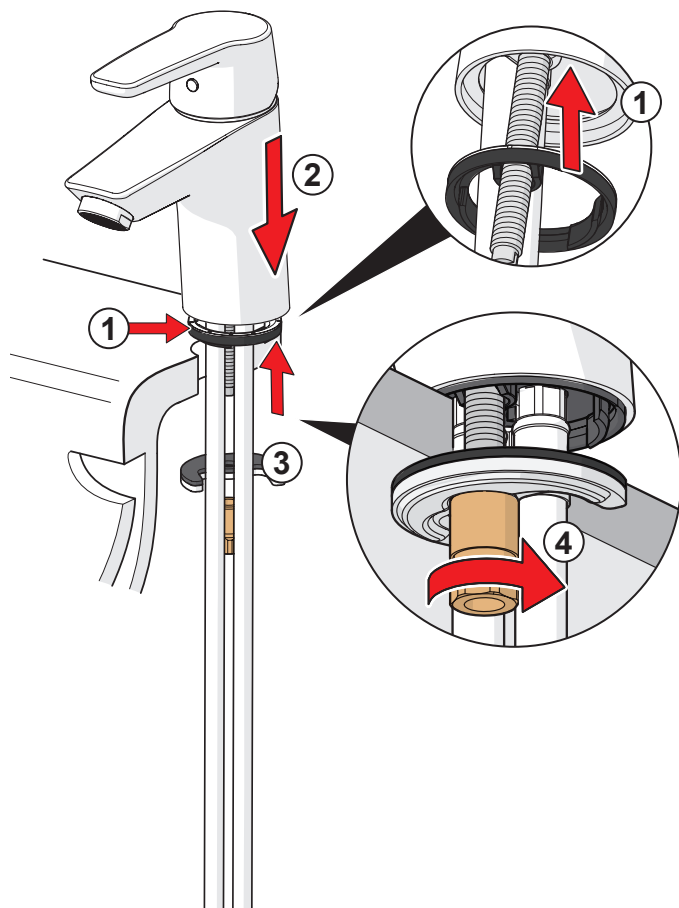
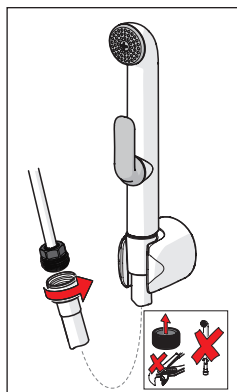
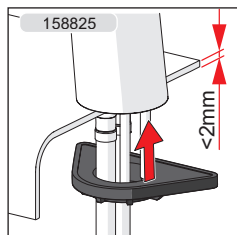
II (ISO 3822)  
EN 817  
50 - 1000 kPa  
0.34 / 0.22 l/s (300 kPa)  
max. +80°C

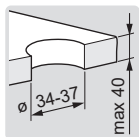
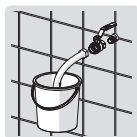


[mpi.oras.com/3946FH](http://mpi.oras.com/3946FH)

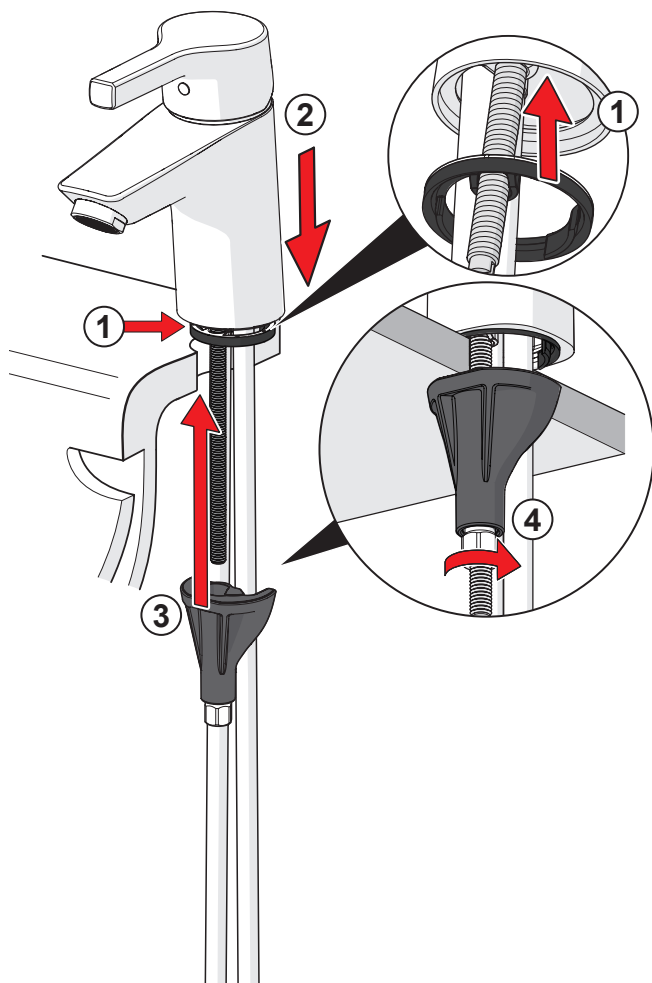
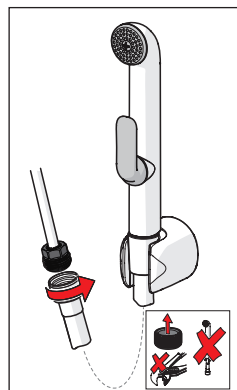
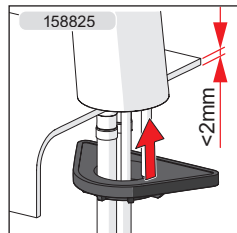


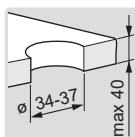
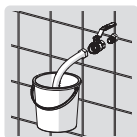
max.  
1600 kPa



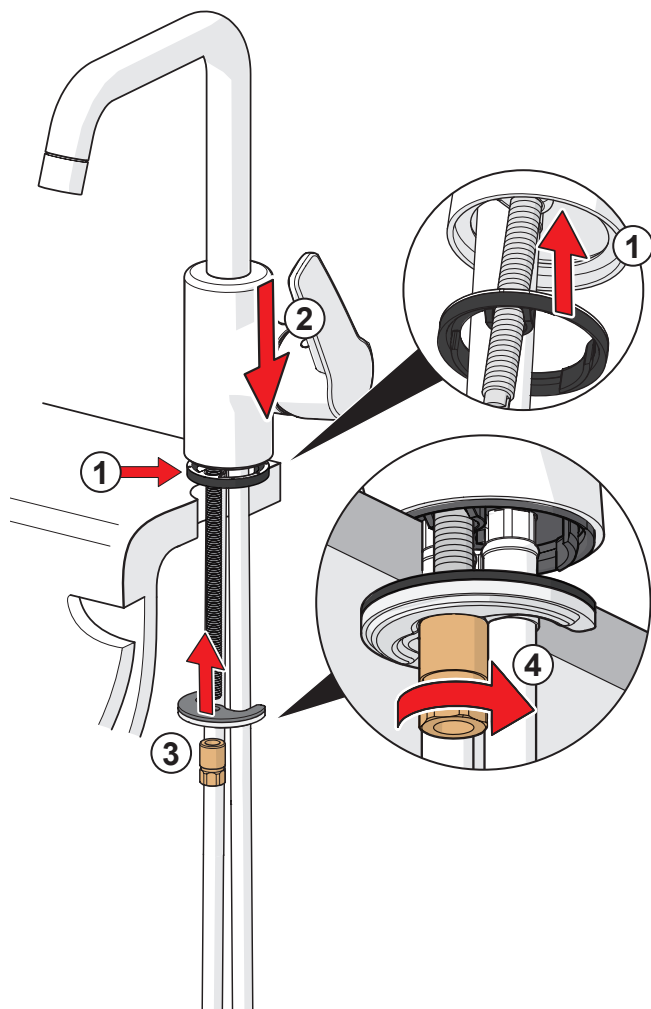
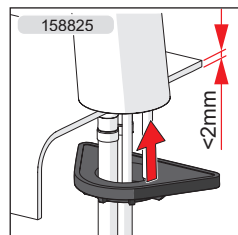


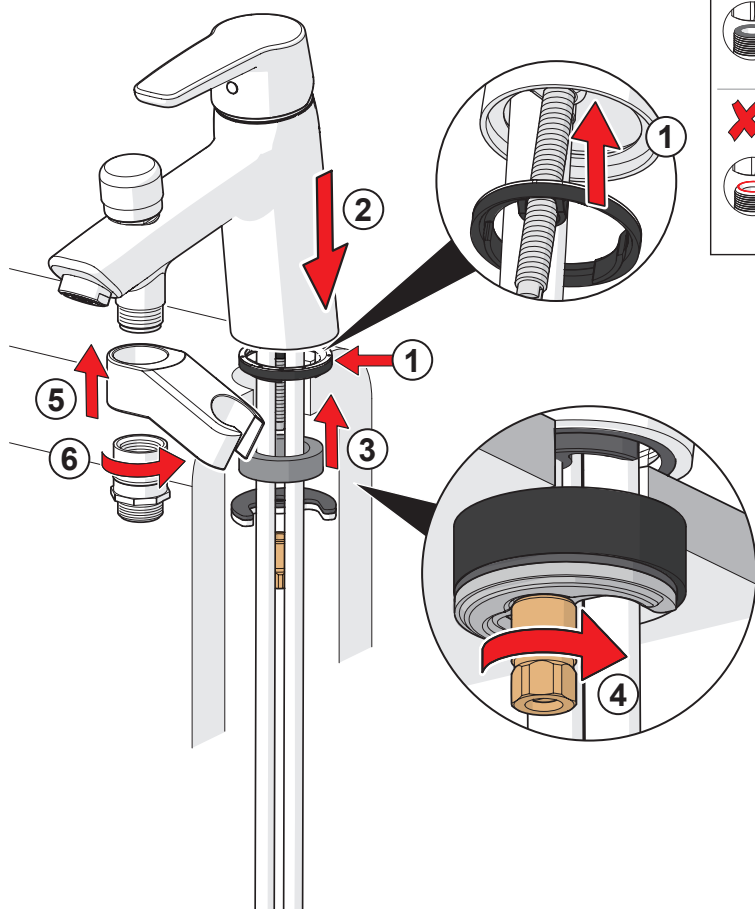
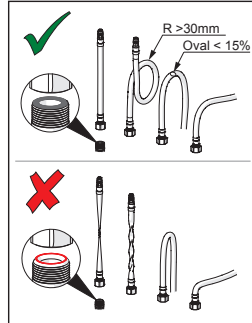
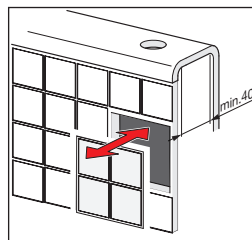
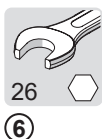
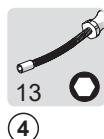
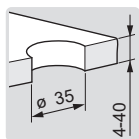
max.  
1600 kPa

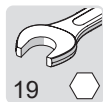




max.  
1600 kPa

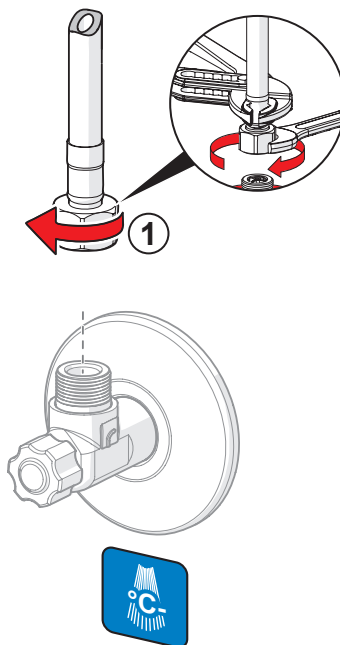
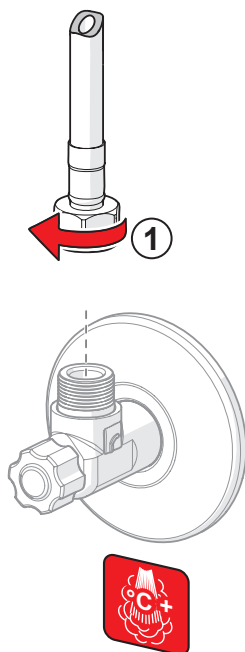
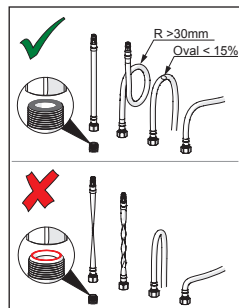






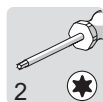
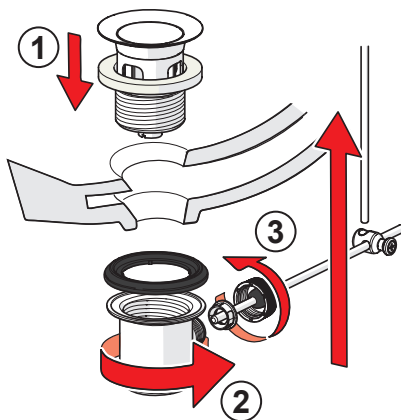
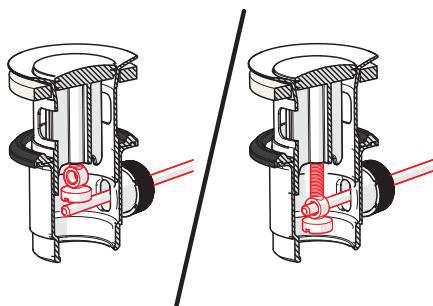
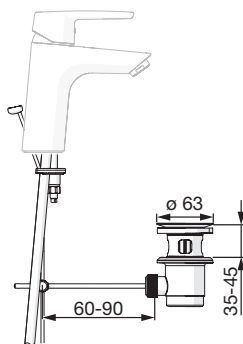
19

①

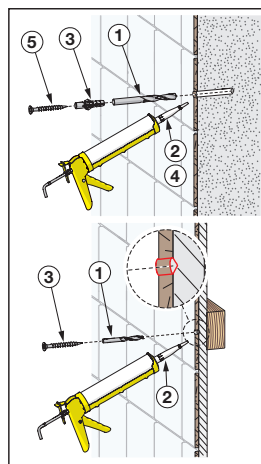
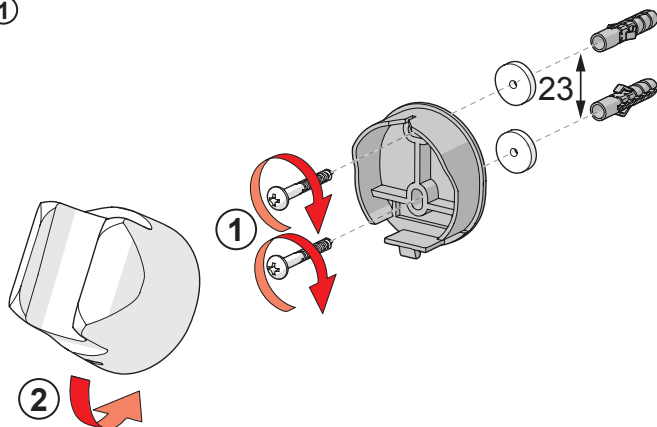


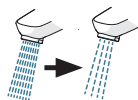


① ② ③

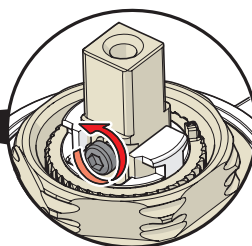
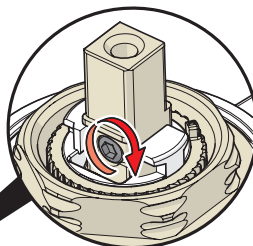
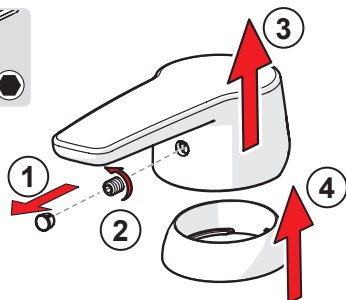


①





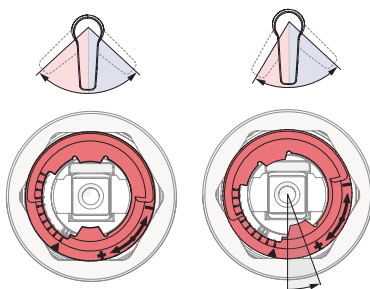
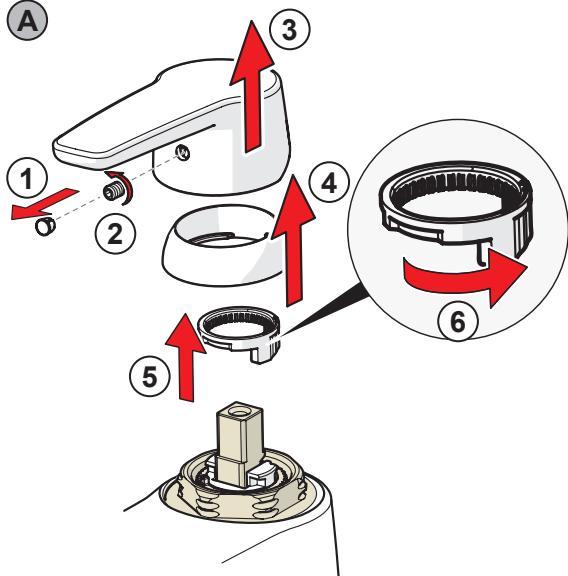
2.5  
② ⑥



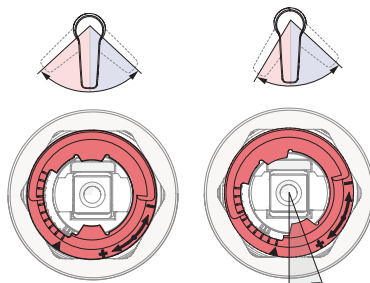
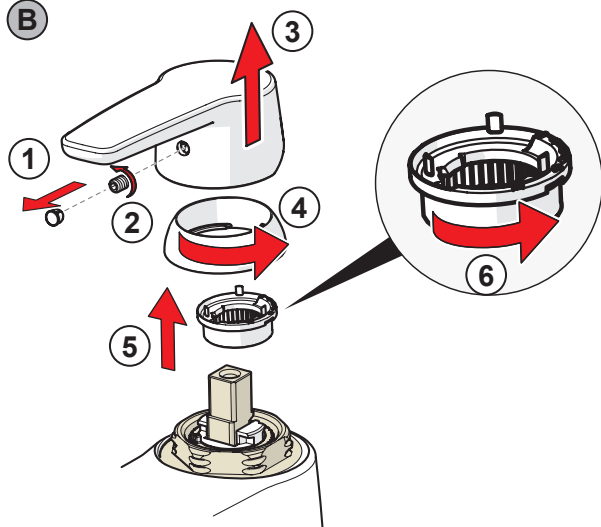


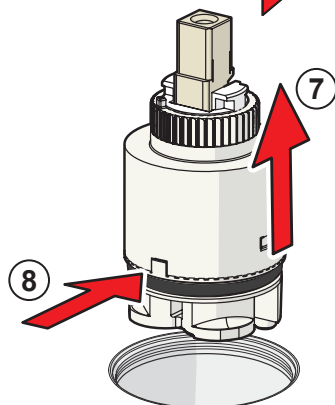
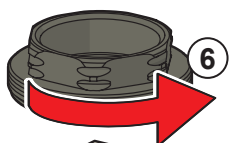
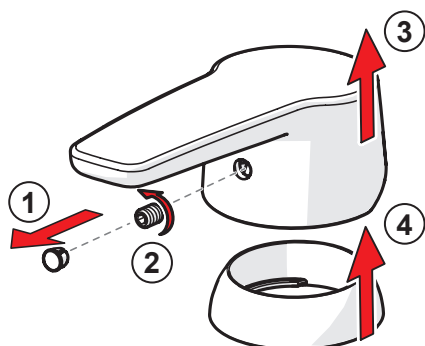
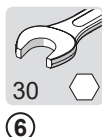
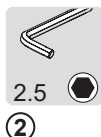
②

A



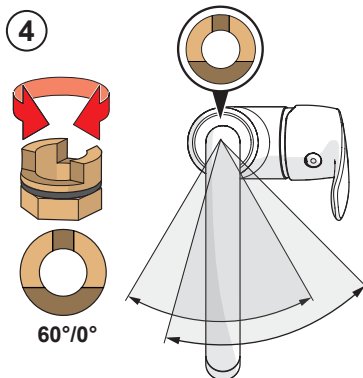
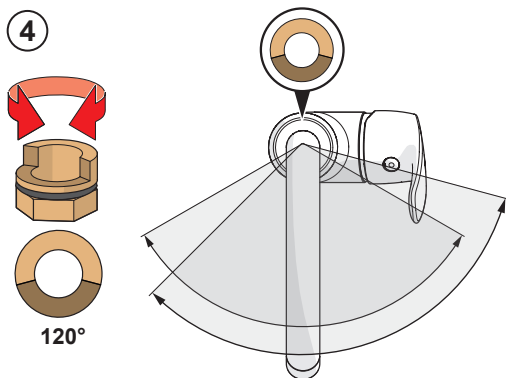
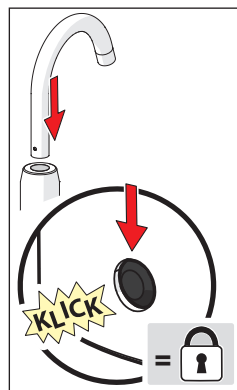
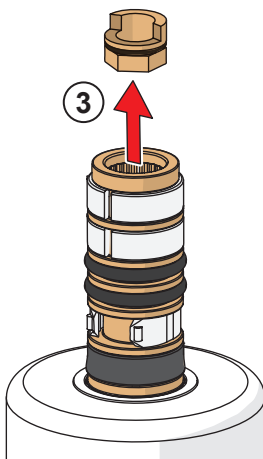
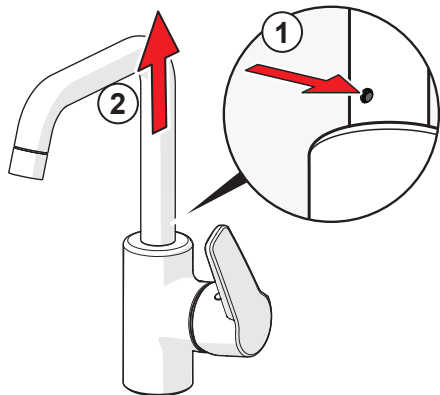
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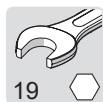


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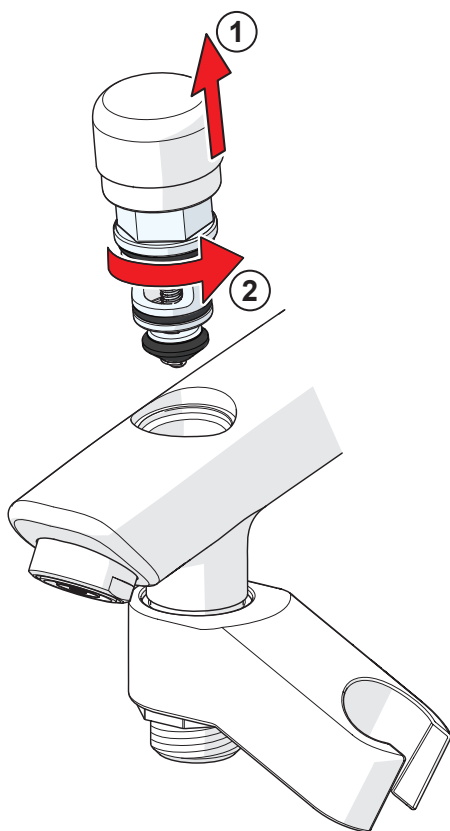


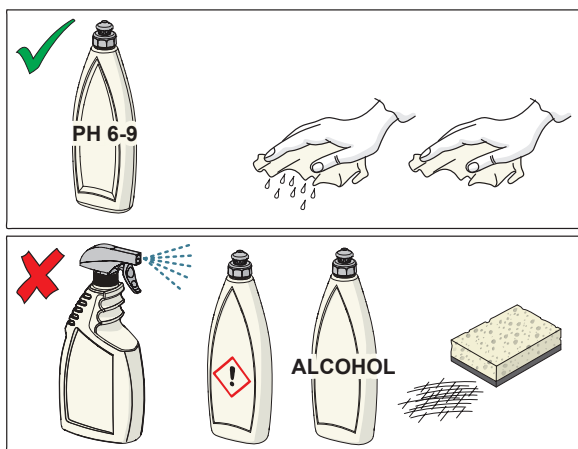
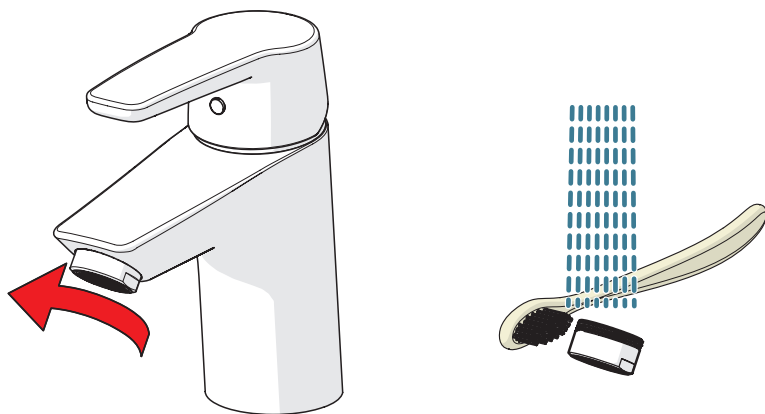
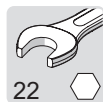
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