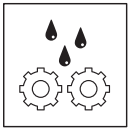
Oras

Installation and maintenance guide

 4-15

 16-24

 25

 26-33

 34

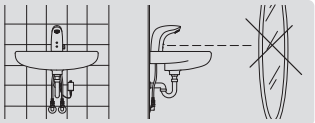


Apple and the Apple logo are trademarks of Apple Inc., registered in the U.S. and other countries. App Store is a service mark of Apple Inc., registered in the U.S. and other countries.

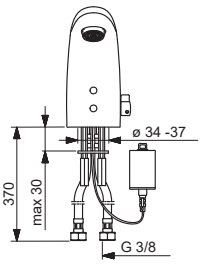
Google Play and the Google Play logo are trademarks of Google Inc.

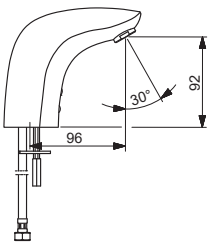
The Bluetooth® word mark and logos are registered trademarks owned by the Bluetooth SIG, Inc. and any use of such marks by Oras Group is under license. Other trademarks and trade names are those of their respective owners.

Lithium 2CR5 6 V max. +70°C
I (ISO 3822) IP 55
EN 15091
100 - 1000 kPa



6150FZ
6150F
6150FZ-080 0.07 l/s / max. 8 s
6150FZ-102 0.028 l/s
6150FZ-104 0.056 l/s
6150FZ-105 0.07 l/s

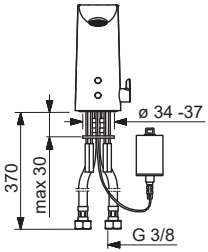


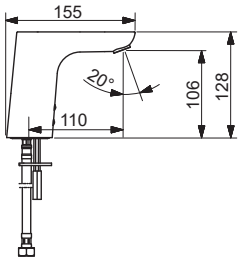




mpi.oras.com/6150FZ

6151FZ
6151FZ-33
6151FZ-104 0.056 l/s
6151FZ-105 0.07 l/s

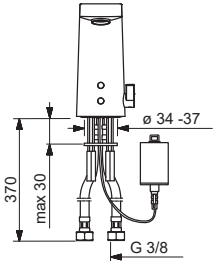


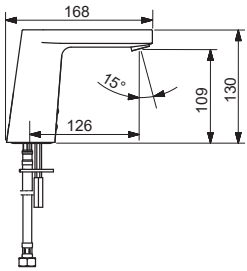


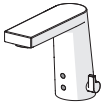


mpi.oras.com/6151FZ

6155FZ

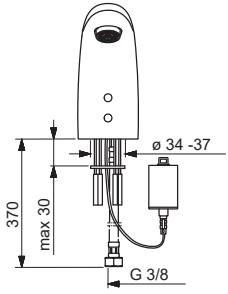


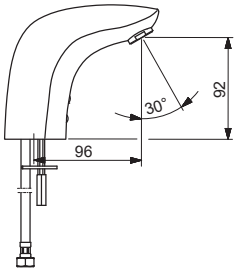




mpi.oras.com/6155FZ

6159FZ 0.09 l/s



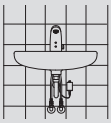


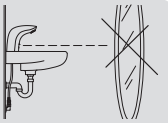


mpi.oras.com/6159FZ

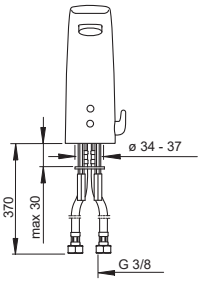
Lithium 2CR5 6 V
I (ISO 3822)
EN 15091
100 - 1000 kPa

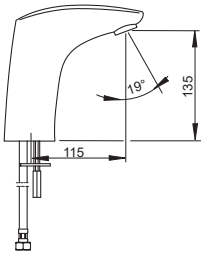
max. +70°C
IP 55





6250FZ

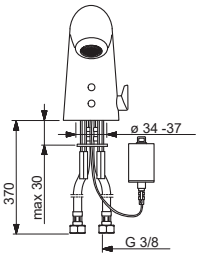


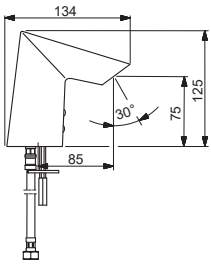




mpi.oras.com/6250FZ

1714FZ 0.08 l/s
1714F
1714FZ-102 0.028 l/s

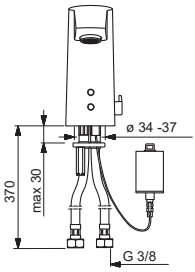


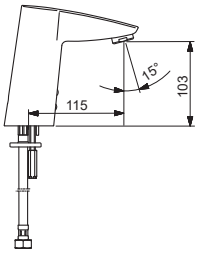


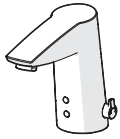


mpi.oras.com/1714FZ

2814FZ

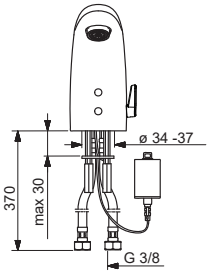


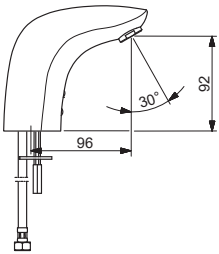




mpi.oras.com/2814FZ

6153FZ



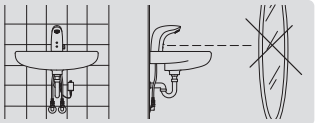




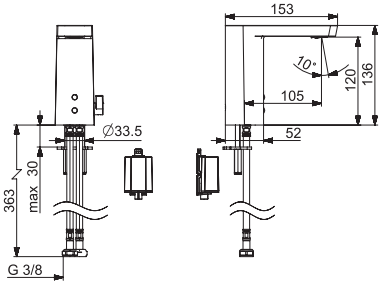
mpi.oras.com/6153FZ

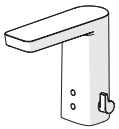
Lithium 2CR5 6 V
I (ISO 3822)
EN 15091
100 - 1000 kPa

max. +70°C
IP 55



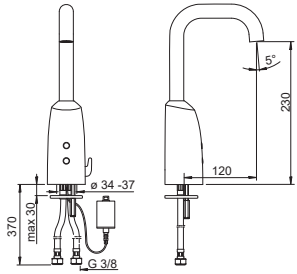
4814FZ

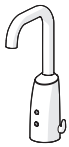




mpi.oras.com/4814FZ

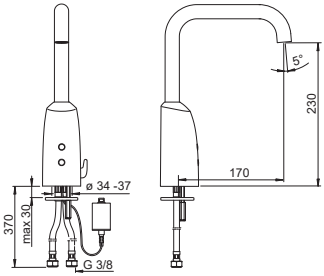
6330FZ

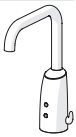




mpi.oras.com/6330FZ

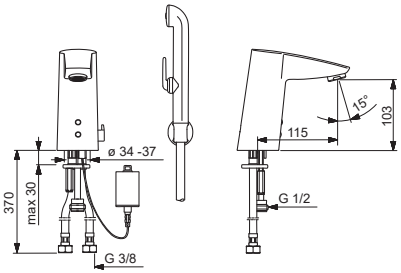
6331FZ

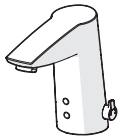




mpi.oras.com/6331FZ

2816FZ

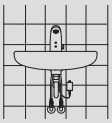


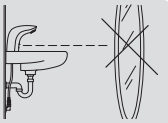


mpi.oras.com/2816FZ

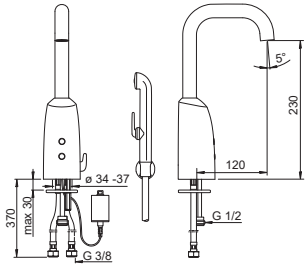
Lithium 2CR5 6 V
I (ISO 3822)
EN 15091
100 - 1000 kPa

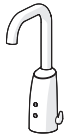
max. +70°C
IP 55





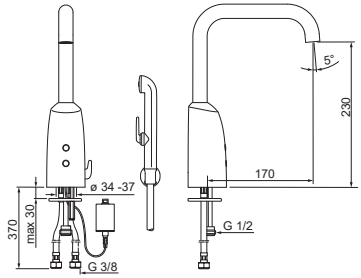
6332FZ

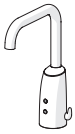




mpi.oras.com/6332FZ

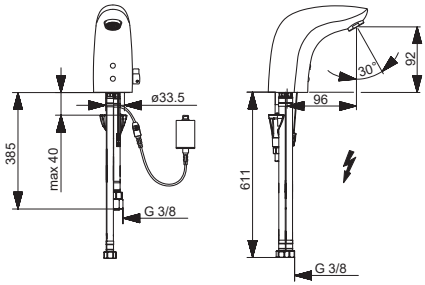
6333FZ





mpi.oras.com/6333FZ

6152FZ 100 - 500 kPa

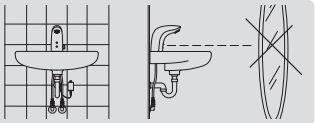




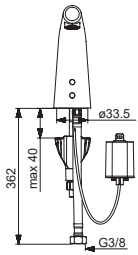
mpi.oras.com/6152FZ

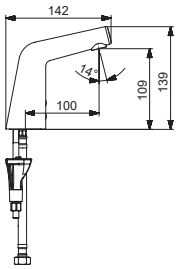
Lithium 2CR5 6 V
I (ISO 3822)
EN 15091
100 - 1000 kPa

max. +70°C
IP 55



3014F

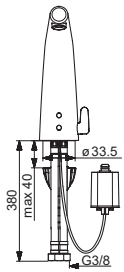


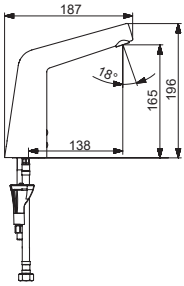




mpi.oras.com/3014F

3016F

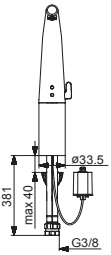


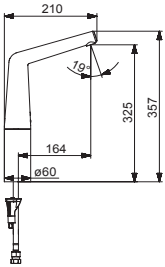


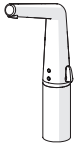


mpi.oras.com/3016F

3017F



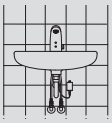


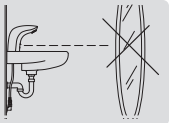


mpi.oras.com/3017F

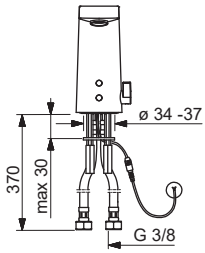
9 / 12 V
I (ISO 3822)
EN 15091
100 - 1000 kPa

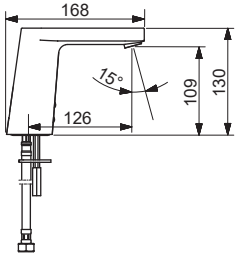
max. +70°C
IP 55

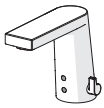




6125FZ

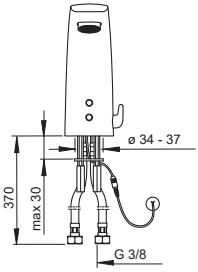


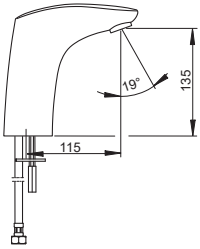




mpi.oras.com/6125FZ

6222FZ

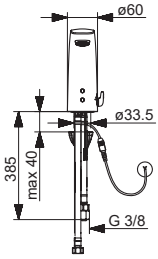


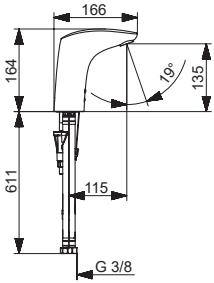




mpi.oras.com/6222FZ

6221FZ 100 - 500 kPa

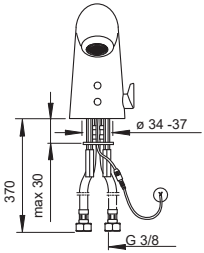


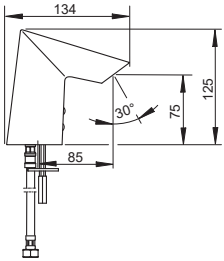




mpi.oras.com/6221FZ

1724FZ



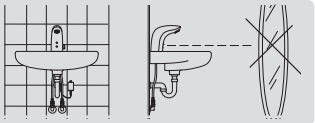




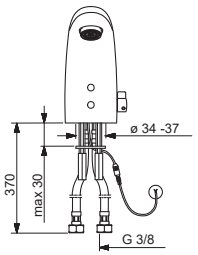
mpi.oras.com/1724FZ

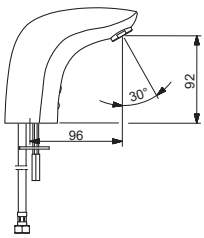
9 / 12 V
I (ISO 3822)
EN 15091
100 - 1000 kPa

max. +70°C
IP 55



6120FZ
6120FZ-080 0.07 l/s max. 8 s
6120FZ-102 0.028 l/s
6120FZ-104 0.056 l/s

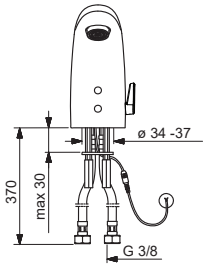


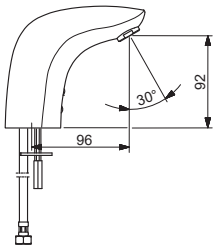




mpi.oras.com/6120FZ

6123FZ

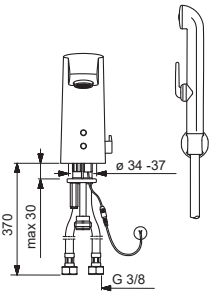


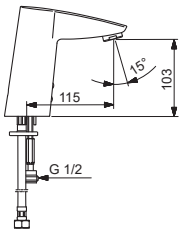


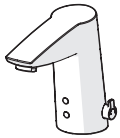


mpi.oras.com/6123FZ

2826FZ
2816FZ

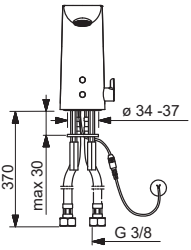


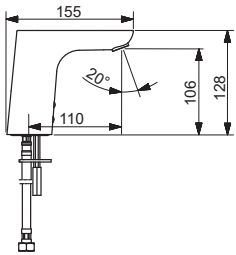




mpi.oras.com/2826FZ

6121FZ



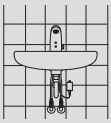


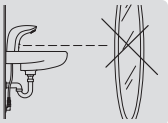


mpi.oras.com/6121FZ

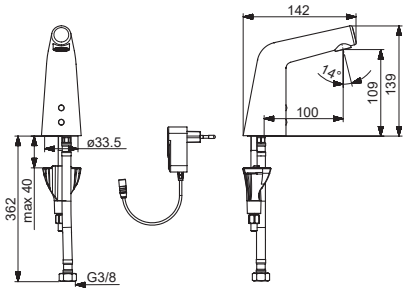
9 / 12 V
I (ISO 3822)
EN 15091
100 - 1000 kPa

max. +70°C
IP 55





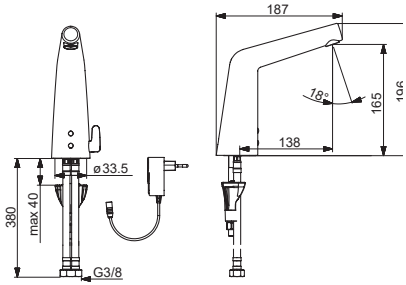
3014FT

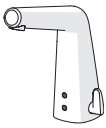




mpi.oras.com/3014FT

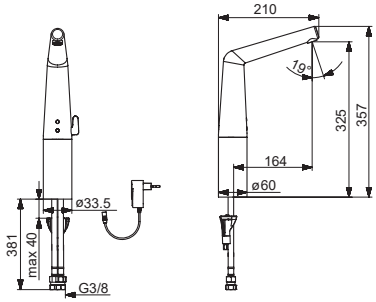
3016FT

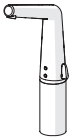




mpi.oras.com/3016FT

3017FT

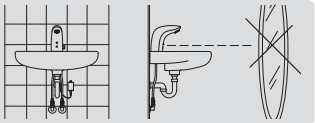




mpi.oras.com/3017FT

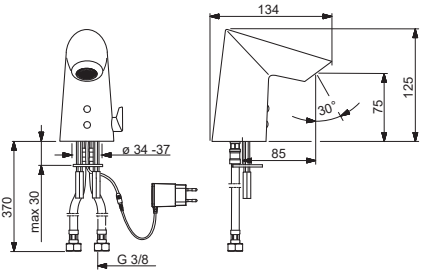
230 / 9 V
I (ISO 3822)
EN 15091
100 - 1000 kPa

max. +70°C
IP 55 / transformer IP 20



1724FTZ

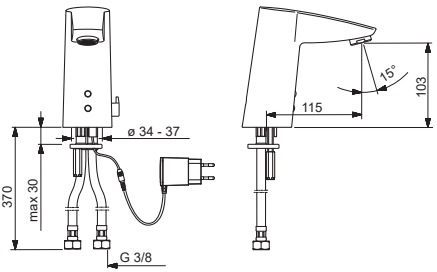
0.08 l/s

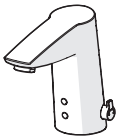




mpi.oras.com/1724FTZ

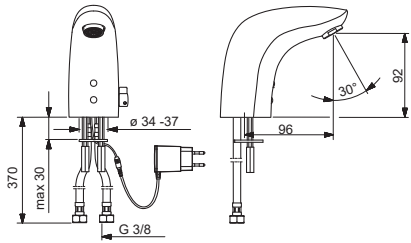
2824FTZ





mpi.oras.com/2824FTZ

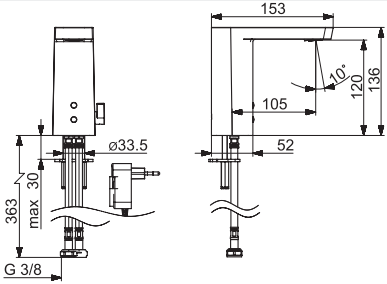
6120FTZ

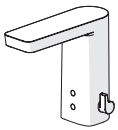




mpi.oras.com/6120FTZ

4824FTZ

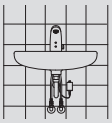


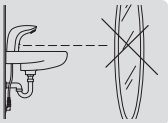


mpi.oras.com/4824FTZ

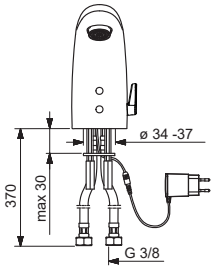
230 / 9 V
I (ISO 3822)
EN 15091
100 - 1000 kPa

max. +70°C
IP 55 / transformer IP 20





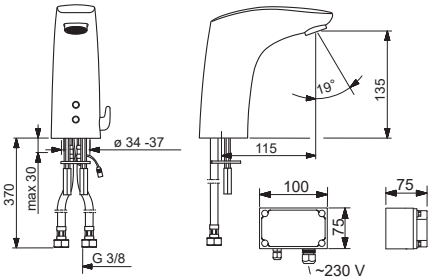
6123FTZ





mpi.oras.com/6123FTZ

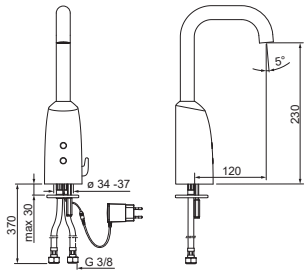
6223FTZ

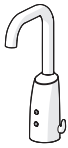




mpi.oras.com/6223FTZ

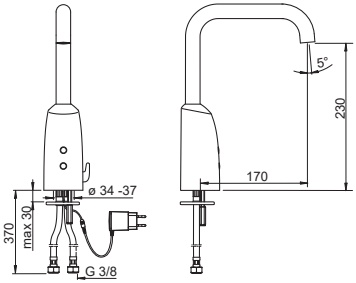
6334FTZ

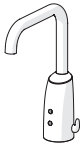




mpi.oras.com/6334FTZ

6335FTZ

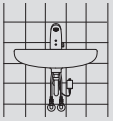


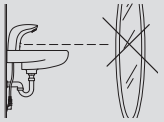


mpi.oras.com/6335FTZ

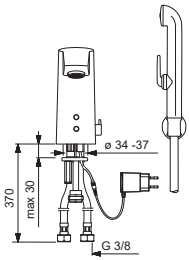
230 / 9 V
I (ISO 3822)
EN 15091
100 - 1000 kPa

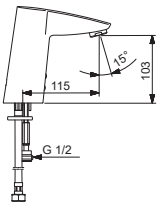
max. +70°C
IP 55 / transformer IP 20

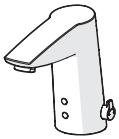




2826FTZ



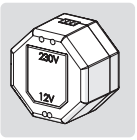


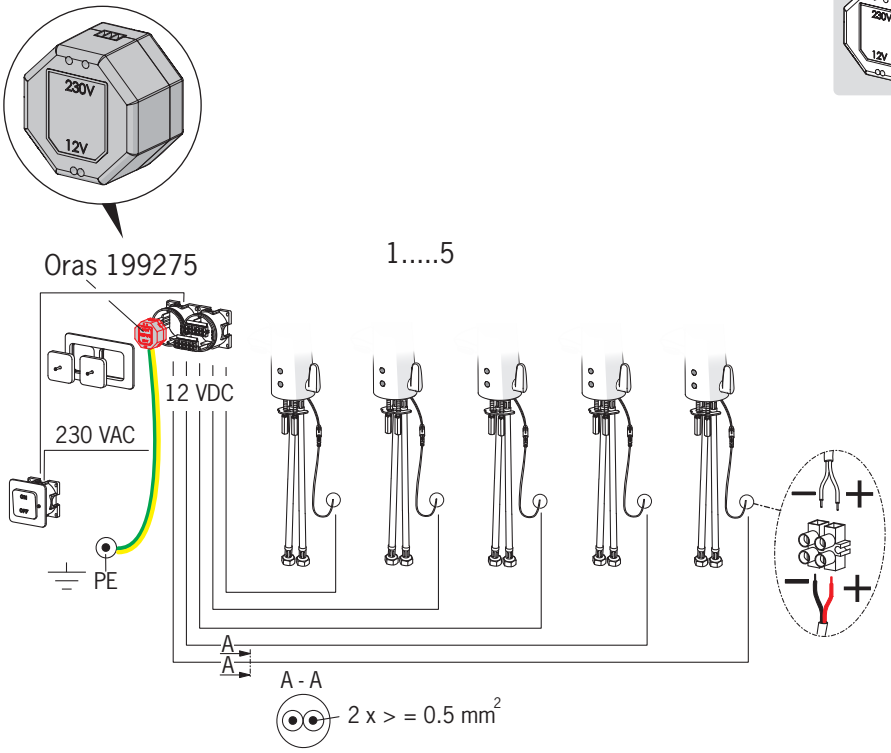


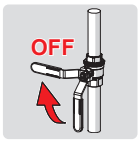
mpi.oras.com/2826FTZ

GB Power supply requirement: Power supply output must be short circuit protected
CZ Požadavky týkající se napájecího zdroje: Výstup napájecího zdroje musí být chráněn proti zkratu
DE Stromversorgungsvoraussetzungen: Stromversorgungsspannung muss kurzschlussgeschützt sein.
DK Krav til strømforsyning: Strømforsyningsudgang skal være kortslutningsbeskyttet
EE Nõuded vooluallikale: Vooluallika väljund peab olema kaitstud lühise eest
ES Requisitos del suministro eléctrico: el suministro eléctrico debe estar protegido contra cortocircuitos
FI Vaatimukset virtalähteelle: Virtalähteen ulostulon tulee olla oikosulkusuojattu
FR Unité d'alimentation électrique: La sortie de l'unité d'alimentation oit être protégée contre le court-circuit
IT Requisiti dell'alimentazione: L'uscita deve essere protetta da cortocircuiti
LT Reikalavimai maitinimo šaltiniui: turi būti apsauga nuo trumpo jungimo
LV Prasības attiecībā uz barošanas ierīci: ierīces izvadam jābūt aizsargātam pret īsslēgumiem
NL Vereisten voor de voeding: De uitgang van de voeding moet beschermd zijn tegen kortsluitingen
NO Krav til strømforsyning: Strømforsyningsspenning må være kortslutningssikret
PL Wymagania w stosunku do zasilacza: Zasilacz musi być wyposażony w zabezpieczenie przeciwzwarciowe
RO Pentru alimentarea cu putere: borna de putere trebuie să fie protejată la scurtcircuit
RU Требования к источнику тока: Выход источника тока защищен от короткого замыкания
SE Krav på matningsdon: Utspänningen skall vara kortslutningssäker
SK Požiadavka na napájanie: Výstup napájania musí byť chránený voči skratu.
UA Вимоги до джерела струму: Вихід джерела струму захищений від короткого замикання.
PT Requisitos de alimentação eléctrica: a alimentação eléctrica deve estar protegida contra curto-circuito.
GR Προϋποθέσεις για αδιάλειπτη παροχή ρεύματος: Τάση εξόδου ασφαλισμένη έναντι βραχυκυκλώματος
SI Zahteva za napajanje: Izhod za napajanje mora biti zaščiten s kratkim stikom
HU Áramellátás: A tápegység kimeneténél fontos az érintésvédelmet biztosítani.

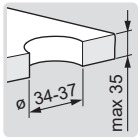
Oras 199275







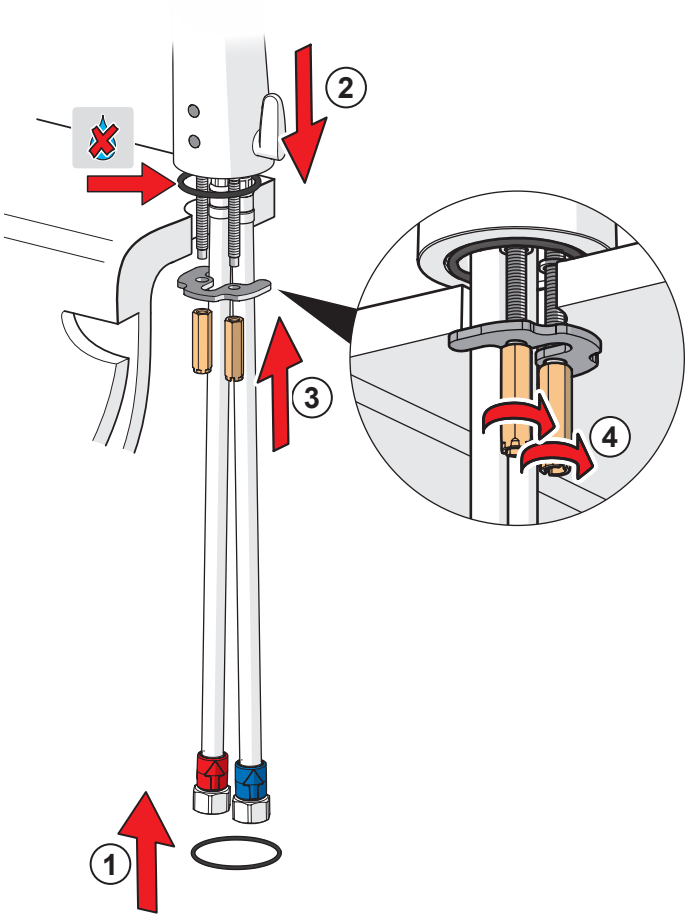


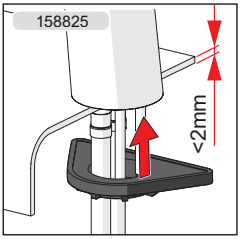


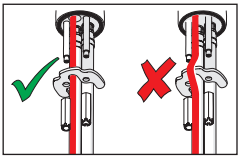


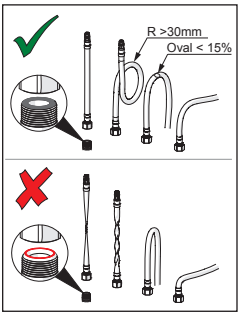
④

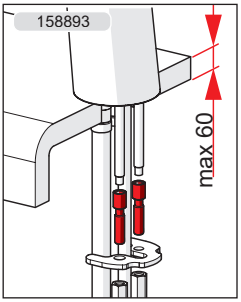
1 A

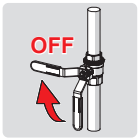




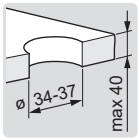




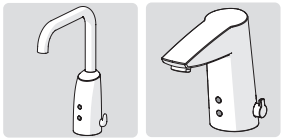




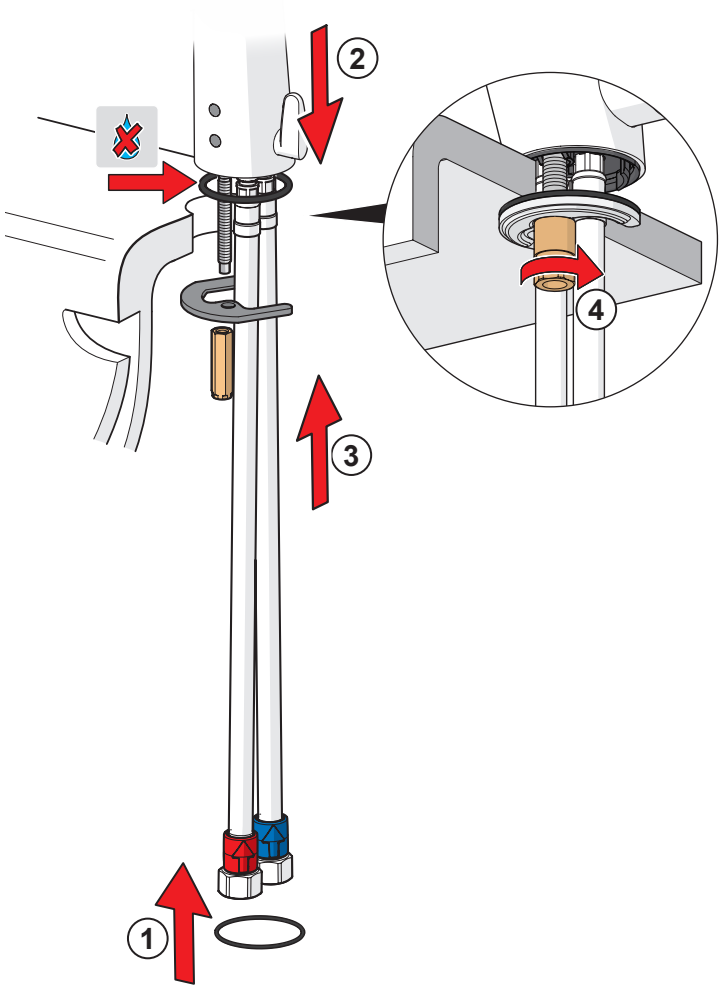


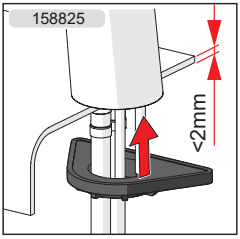


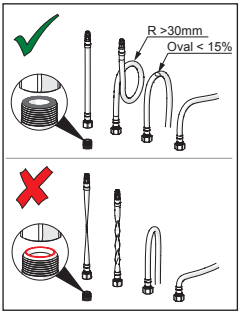


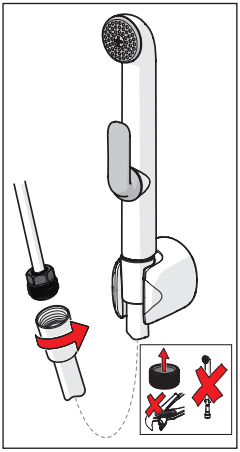


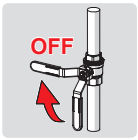
1 B

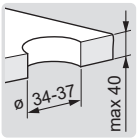










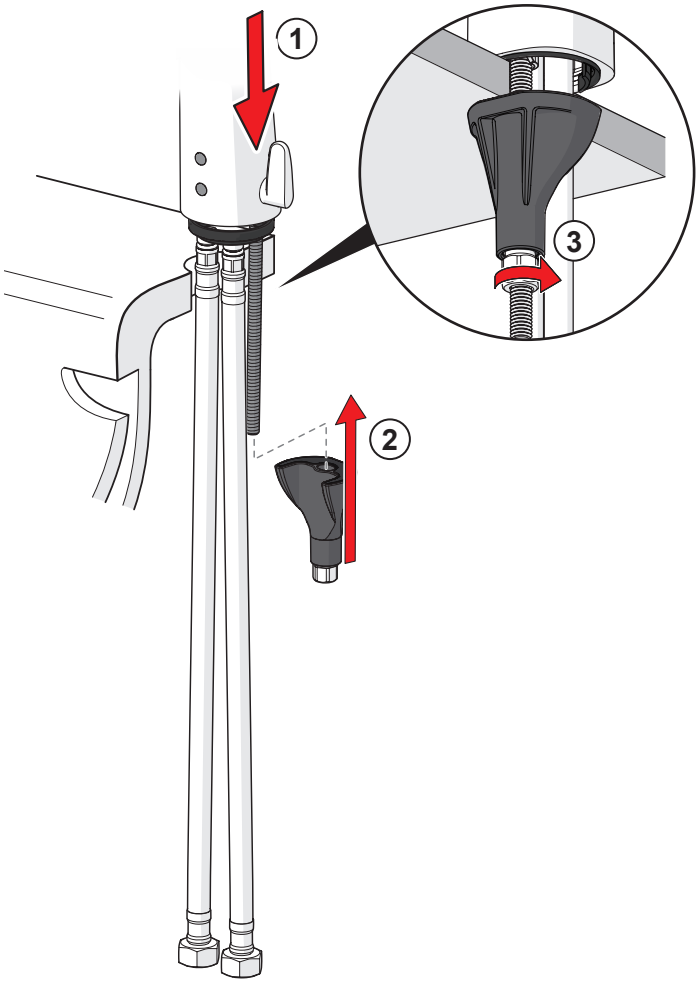



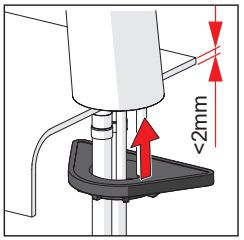


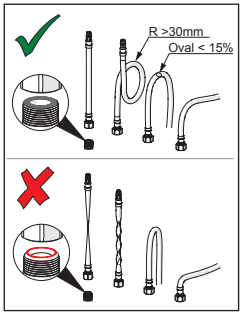


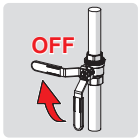


1 C

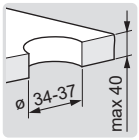








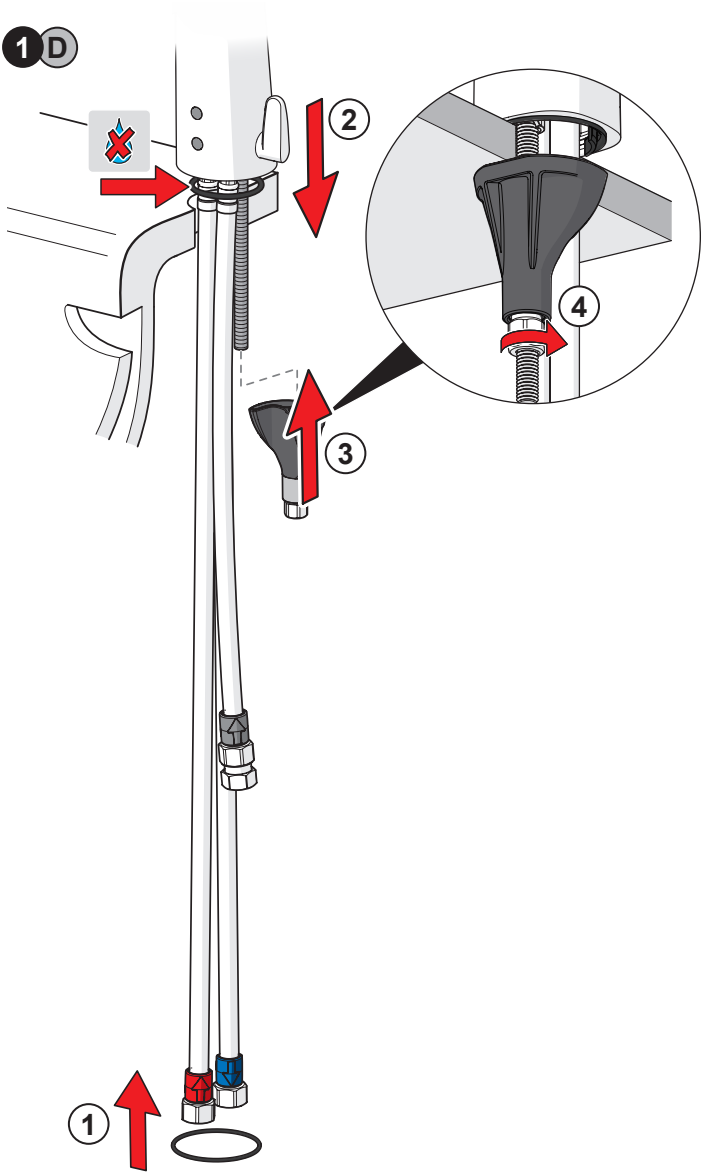


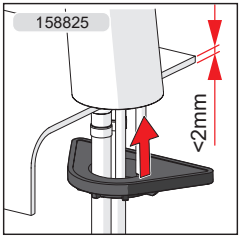


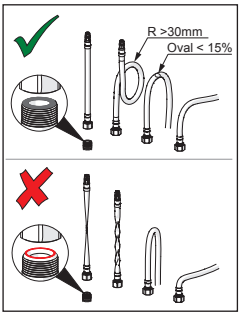


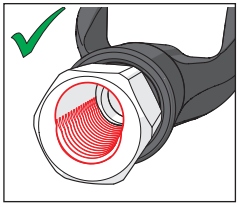


1 D









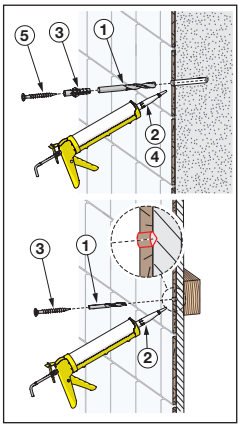




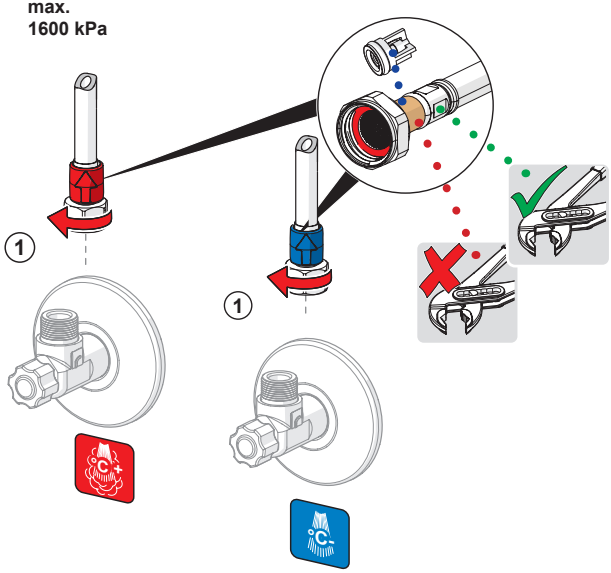


①②

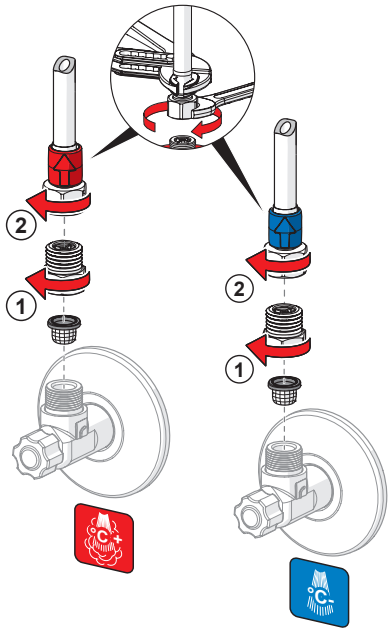
max.
1600 kPa



2A



2B



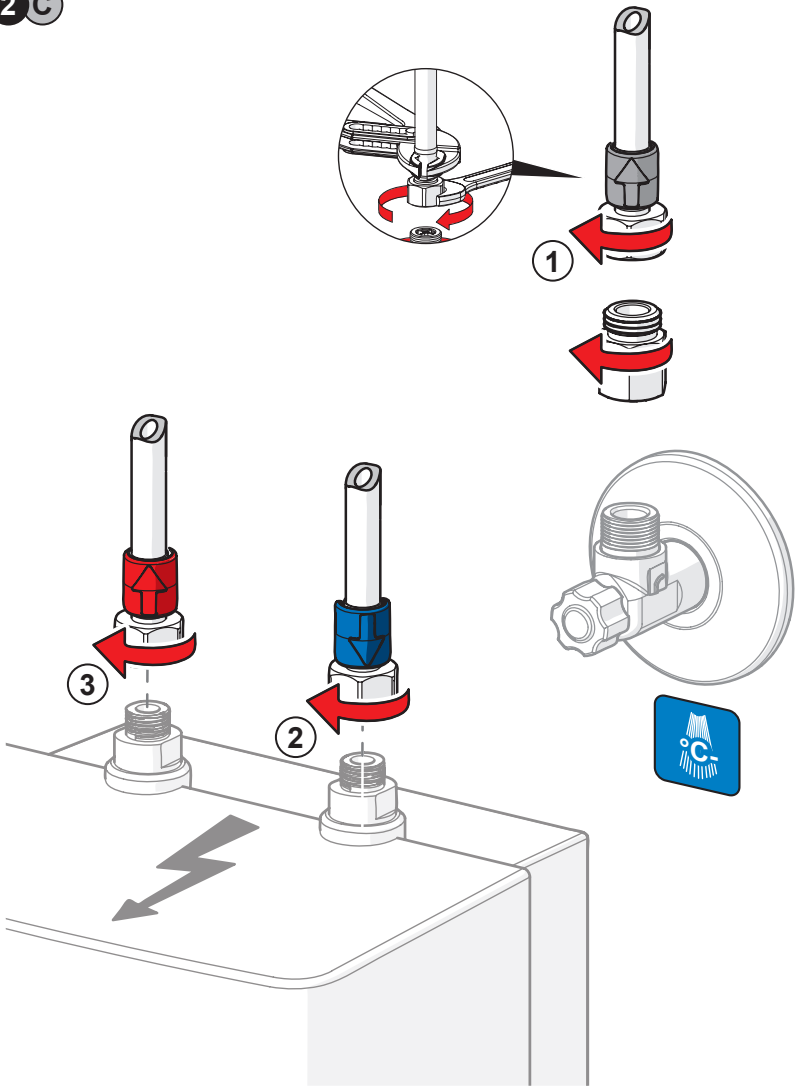


19
①②③④

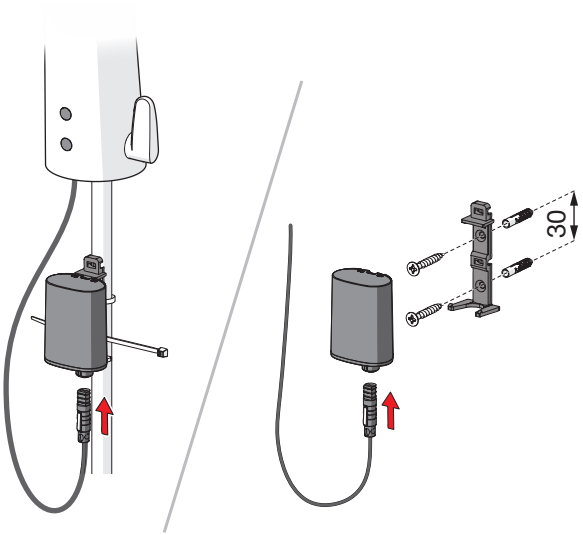
TEST

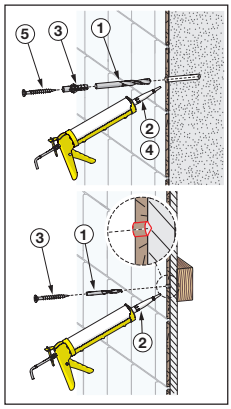
max.
1600 kPa

2 C

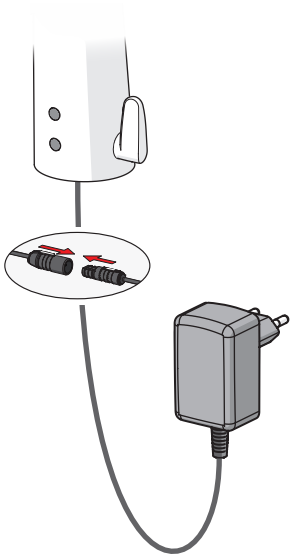


3A





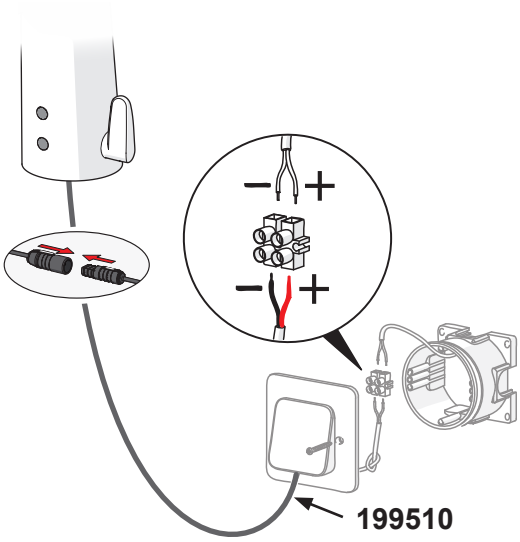
3B

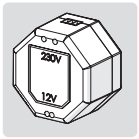




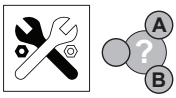
199550

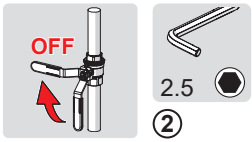
3C

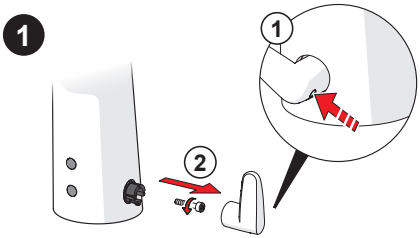


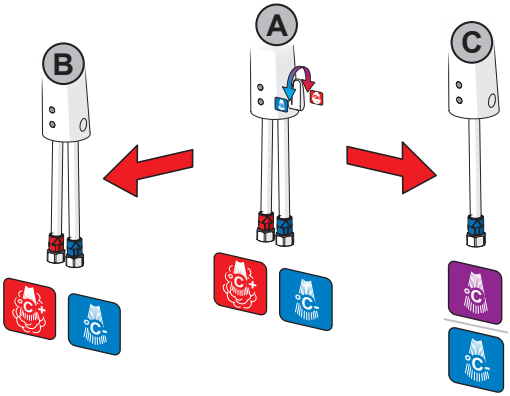


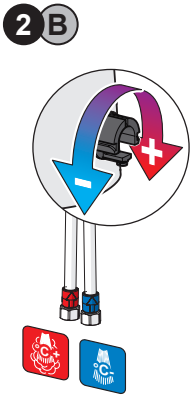
199275

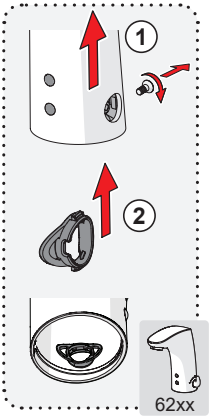

A
B

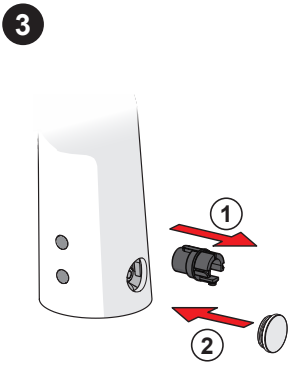

OFF
2.5
2

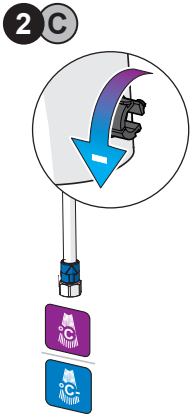

1
1
2

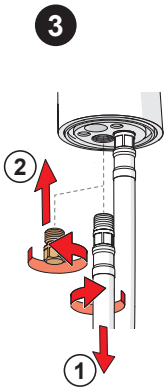

B
A
C

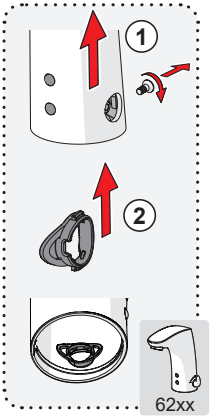

2 B

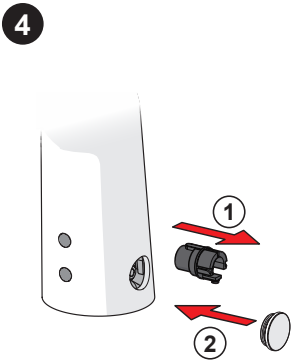

1
2
62xx


3
1
2


2 C


3
2
1


1
2
62xx

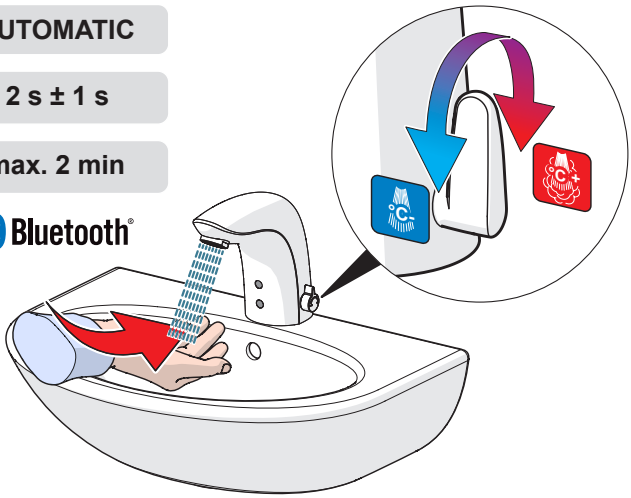

4
1
2

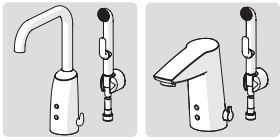
AUTOMATIC

2 s ± 1 s

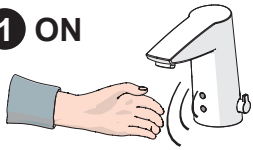
max. 2 min

Bluetooth®





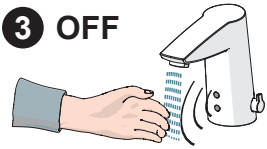
1 ON



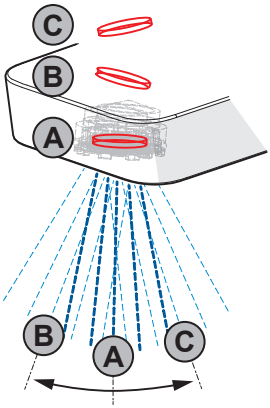
2



3 OFF











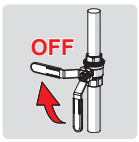
Oras App

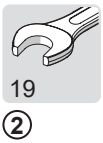
Download on the App Store

GET IT ON Google Play

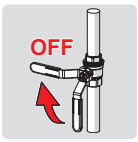
apps.oras.com

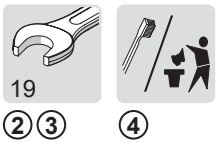



OFF

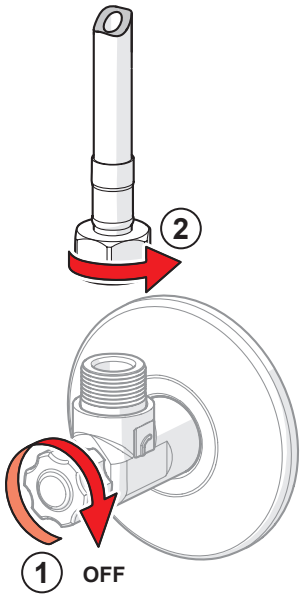

19
②

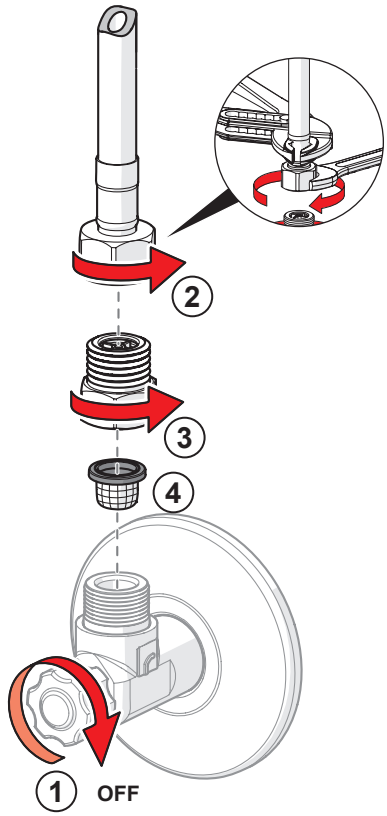

③

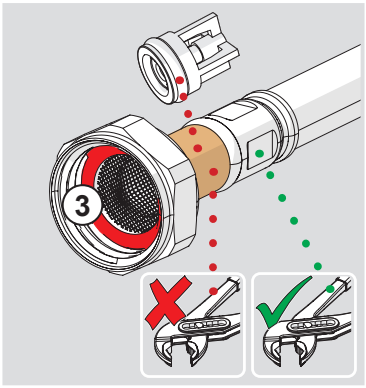

OFF


19
②③
④



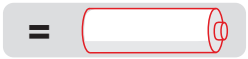

②
①
OFF

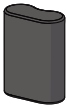

②
③
④
①
OFF


③

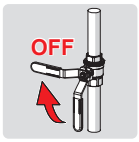


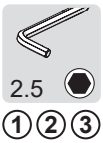


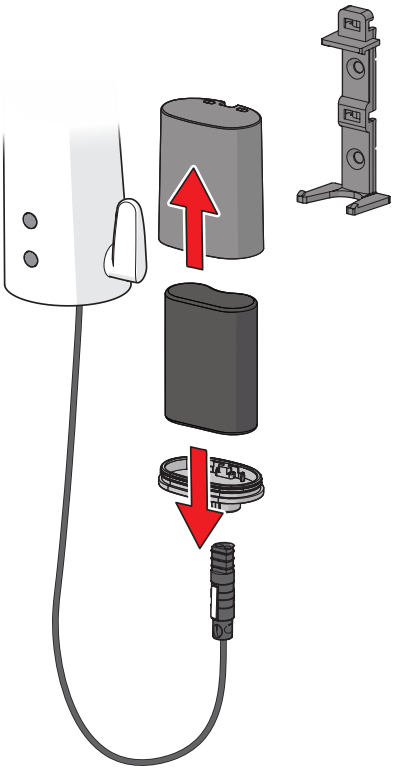


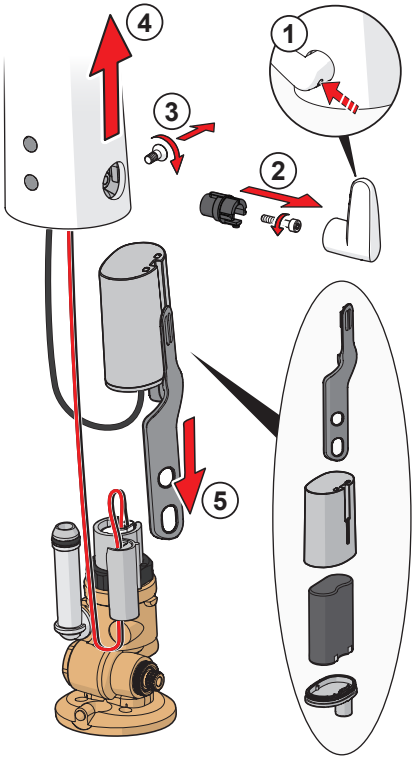


Lithium 2CR5 6V





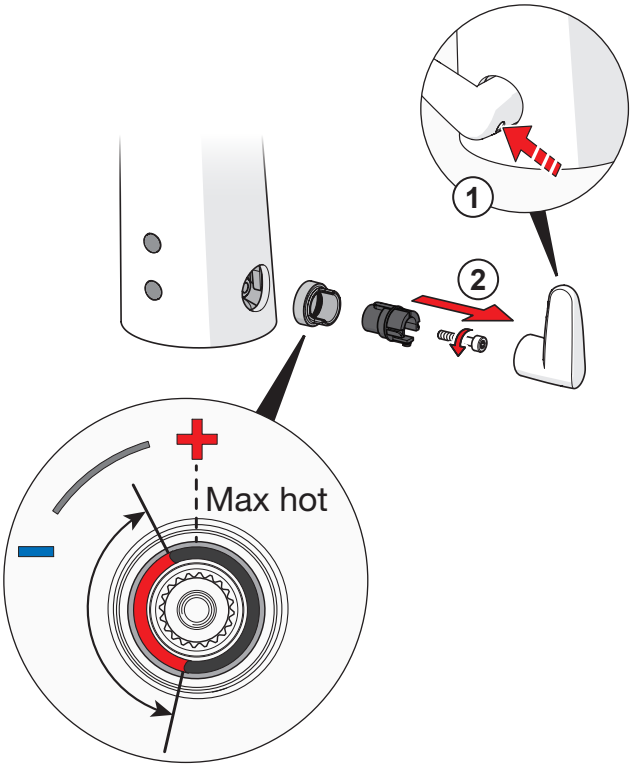


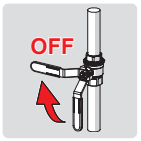




①②









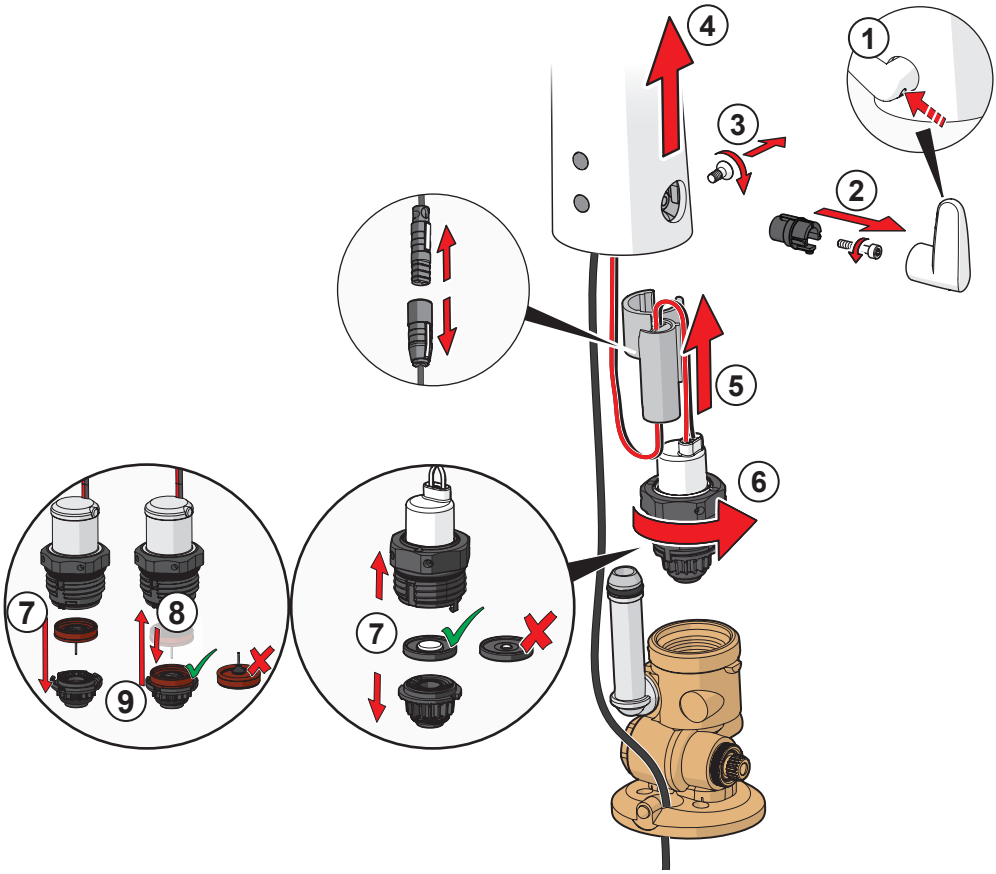
①②③



⑥



⑦





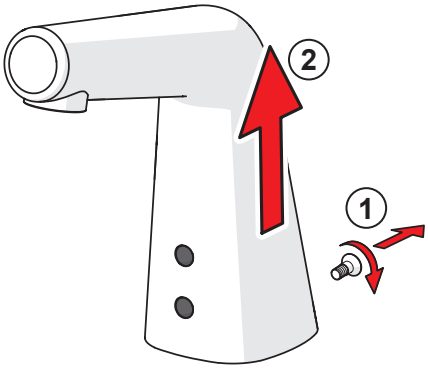


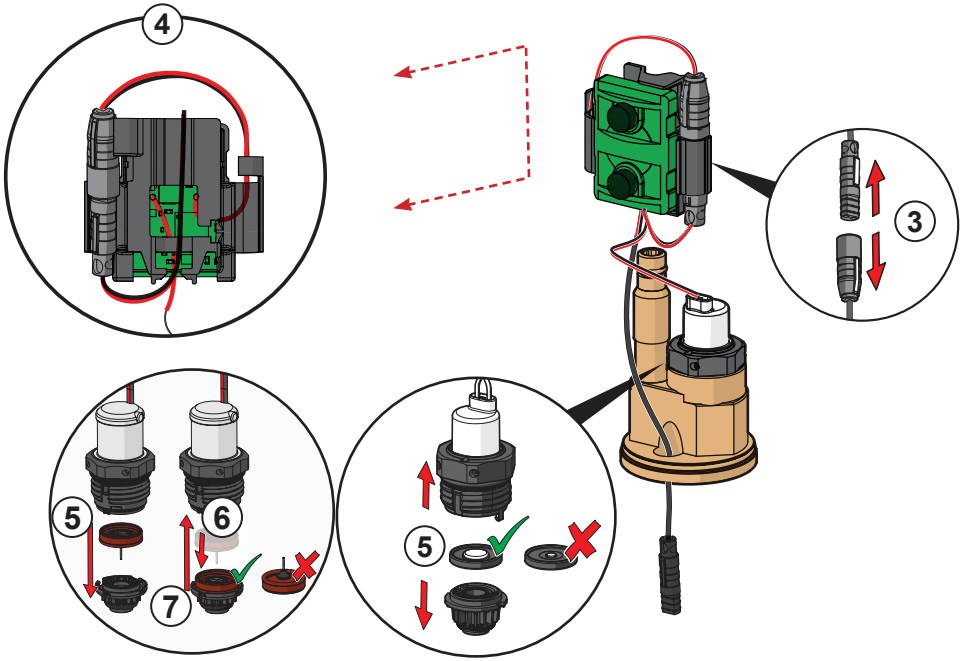

OFF

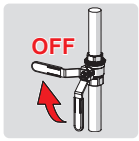

2.5
1

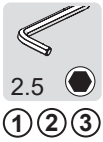

5

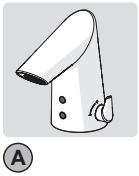


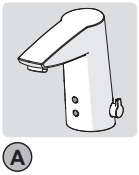

2
1

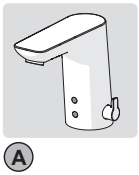

4
3
5
6
7
5

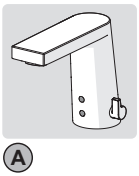

OFF


2.5
1 2 3

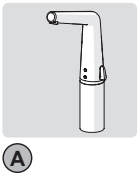

A

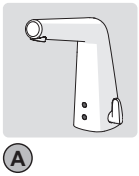

A


A

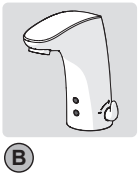

A

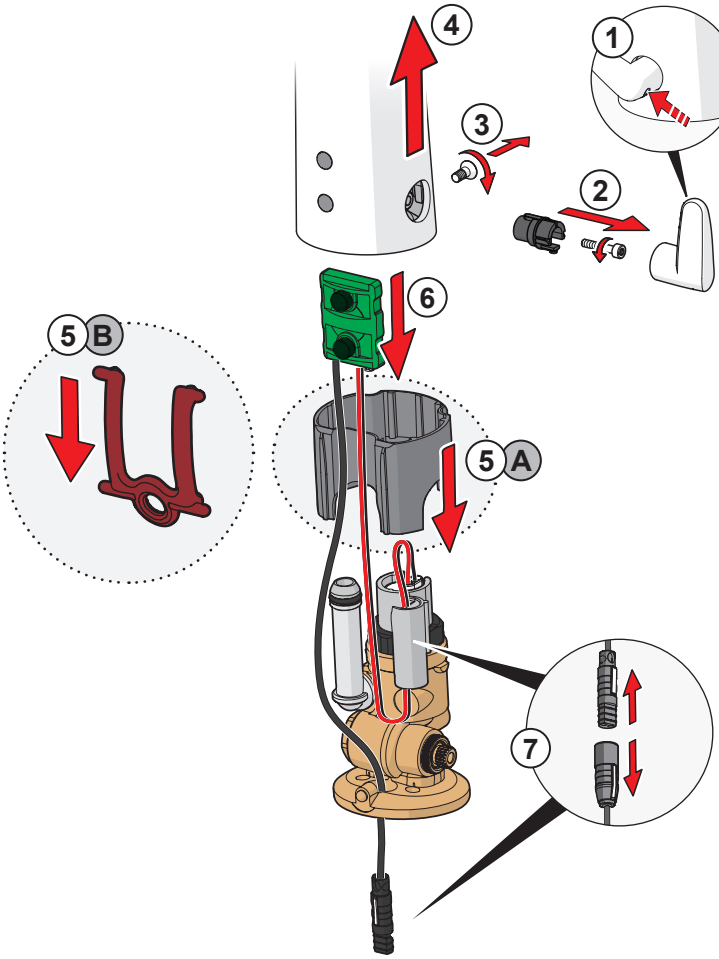

A

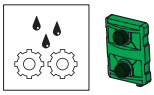

A


A

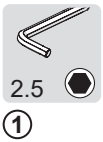

A


B

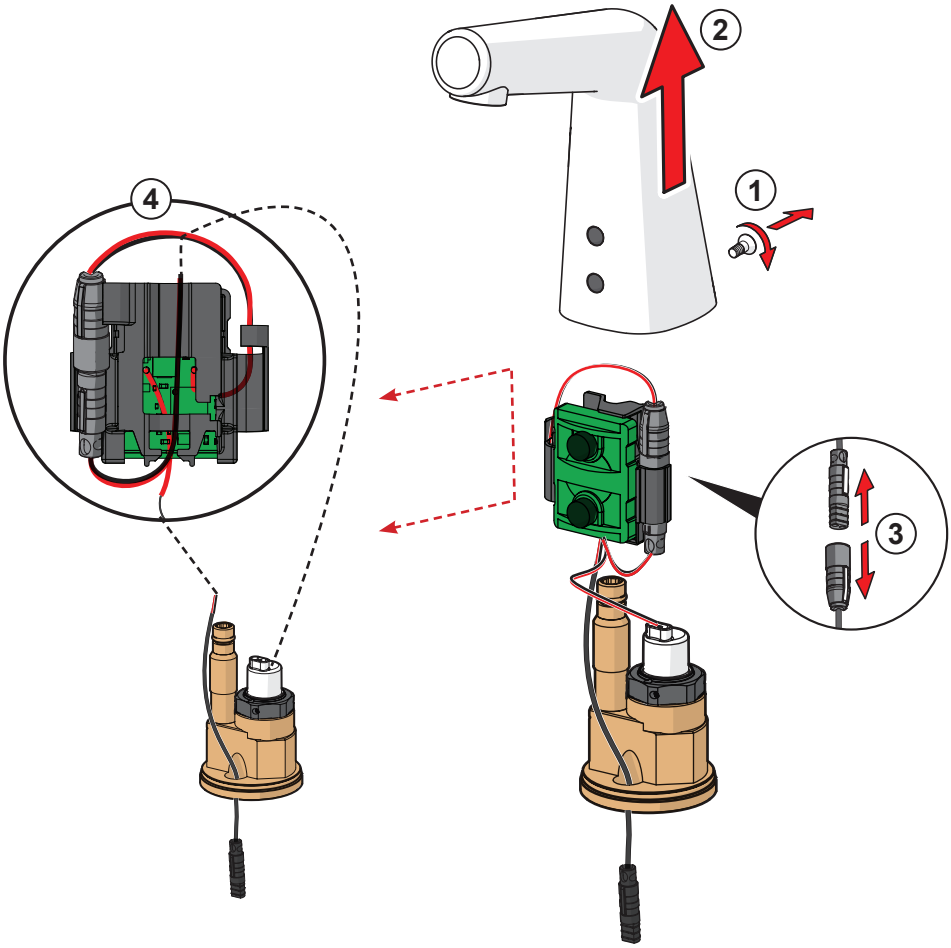

4
1
3
2
6
5 B
5 A
7

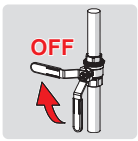



OFF


2.5
1



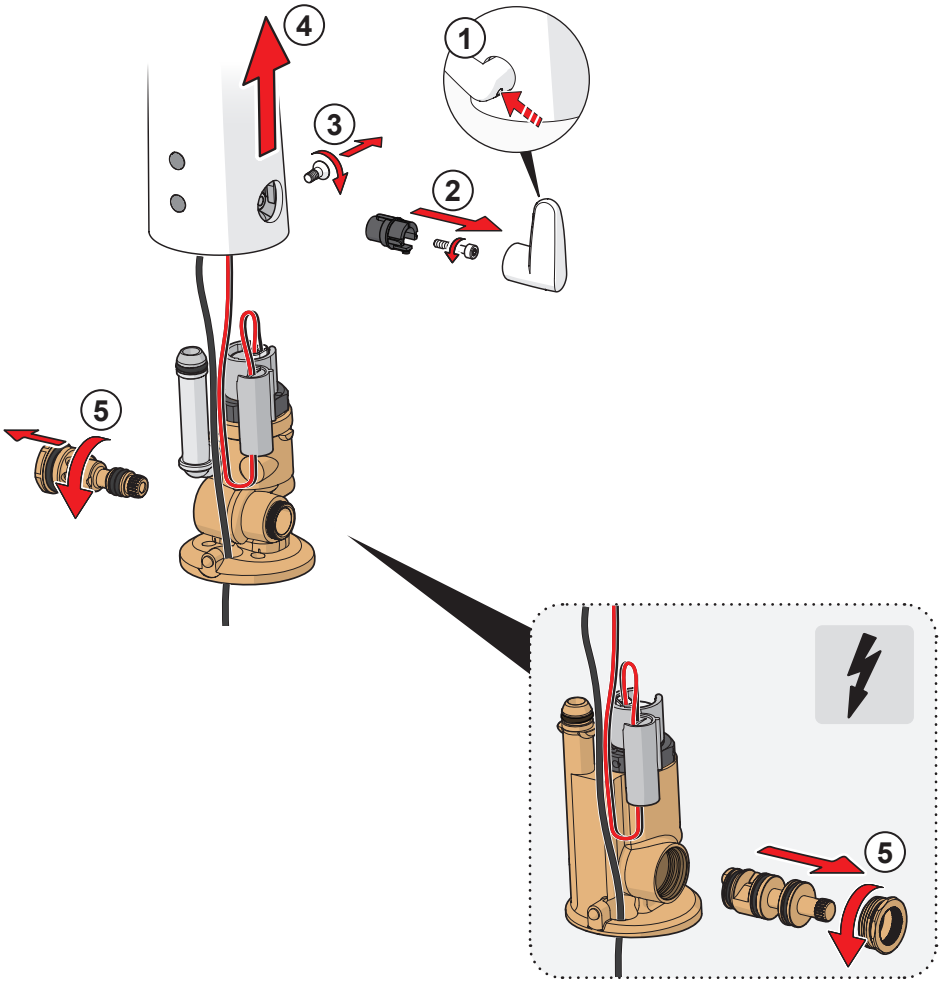

2
1
4
3

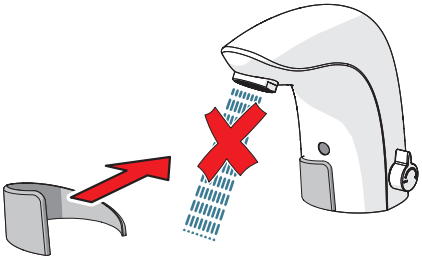


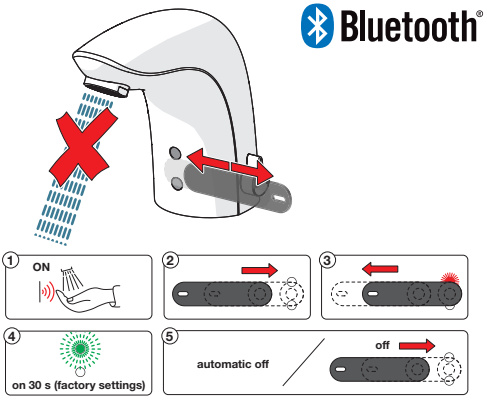


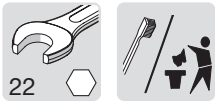


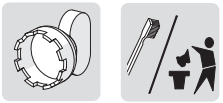
① ② ③ ⑤

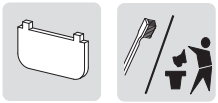


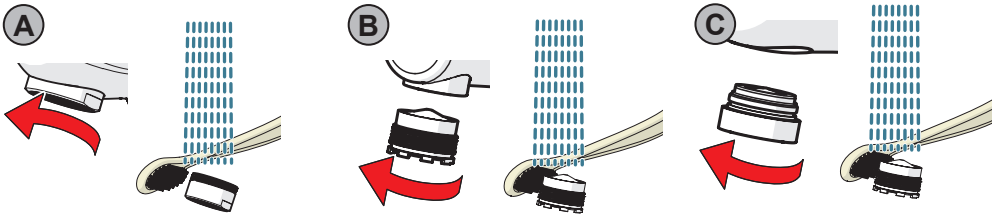


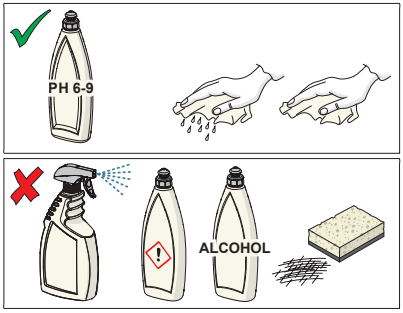












cleaning.oras.com

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.

943421-12-22

ORAS Ltd
Isometsäntie 2, P.O. Box 40
FI-26101 Rauma
Tel. +358 2 83 161
Fax +358 2 831 6300
info.finland@oras.com
www.oras.com