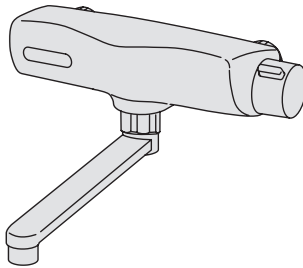




Installation and Maintenance Guide

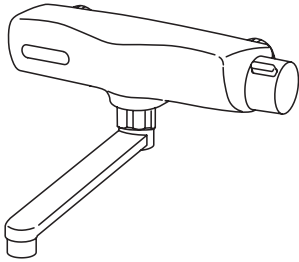
Oras Electra



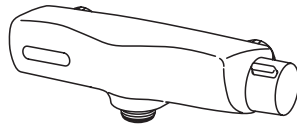
Water Is Worth Loving.

Oras Electra

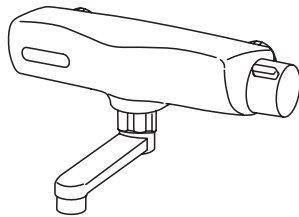
6179



6180



6172

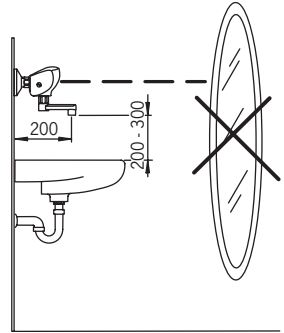
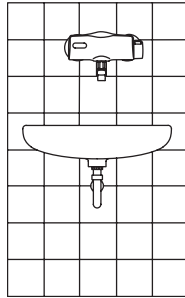
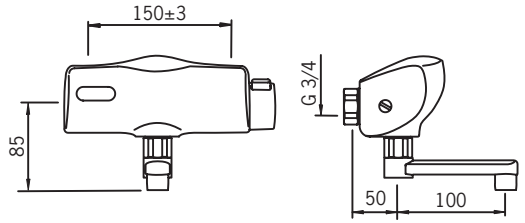


• **Technische Daten • Technical data • Tekniske data • Datos técnicos • Tehnilised andmed • Tekniset tiedot**
 • **Technische gegevens • Données techniques • Dati tecnici • Tehniskie dati • Techniniai duomenys • Teknisk informasjon**
 • **Dane techniczne • Технические данные • Teknisk information • Technické údaje • Technická data •**

<p>(DE) Sicherheitsklasse Protection class Beskyttelsesklasse Grado de protección Kaitseklass Suojausluokka Veiligheidsklasse Norme de sécurité Classe di protezione Aizsardzības klase Saugumo klasė Tethetsklasse Klasa bezpieczeństwa Степень защиты</p> <p>(SE) Kapslingsklass (SK) Trieda bezpečnosti (CZ) Třída bezpečnosti</p> <p>IP 67</p>	<p>Batterie Battery Batteri Bateria Patareid Paristo Batterij Piles Batterie Elektrobarošana Batterija Batteri Bateria Батарейка</p> <p>Batteri Monočlánok Monočlánek</p> <p>Lithium 2CR5 6V</p>	<p>Sensorreichweite Recognition range Sensor område Alcance del sensor Toimimiskaugus Tunnistusalue Sensorbereik Longueur du faisceau Raggio d'azione del sensore Atpažinamas diapazpns Atpažinamo atstumas Følsomhetsområde Zasieg dzialania Расстояние опознавания</p> <p>Känslighetsområde Rozlišovací vzdialenosť Rozlišovací rozsah</p> <p>40 cm (40/50 cm) (6179, 6172) 60 cm (60/50 cm) (6180)</p>	<p>Intelligente Nachlaufzeit Intelligent afterflow period Intelligent efterløbetid Tiempo caudal posterior Optimaalne järelvooluaja pikkus Alykäs jälkivirtaama-aika Intelligente nalooptijd Temporisatio de débit intelligente Tempo di scorrimento a posteriori Skalošanas periods Teikėjimo trukmė po prausimosi Intelligent etterrenningstid Intelligente oróznienie zamknięcia Продолжительность окончат. смыва (автоматическая настройка) Intelligent efterløstid Intelligentná doba po prútoke Cas dodatečného prútoke</p> <p>3 s ± 2 s (6179, 6172) 5 s (6180)</p>	<p>Max. Fließdauer Max. flow period Max. løbetid Período máximo de flujo Maksimaalne vee vooluaja pikkus Max. virtausaika Max. looptijd Durée max. découlement Scorrimento mass. Maksimālais plūsmas periods Maksimāli sroves tekėjimo trukmė Funksjonstid Max czas przerywu Макс. время подачи воды</p> <p>Max. flödestid Max. doba prútoke Max. doba prútoke</p> <p>2 min (6179, 6172) 5 min (6180)</p>
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6172

EN 15091
I (ISO 3822)
100 - 1000 kPa
0.1 l/s (300 kPa) (with flow controller)
200 kPa (0.1 l/s)
max. +70°C

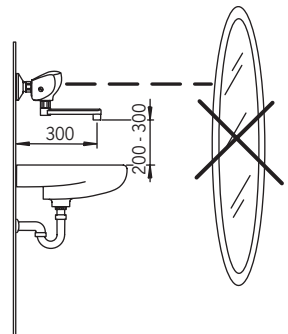
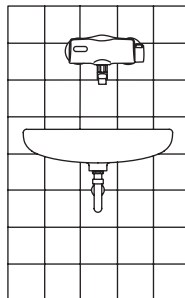
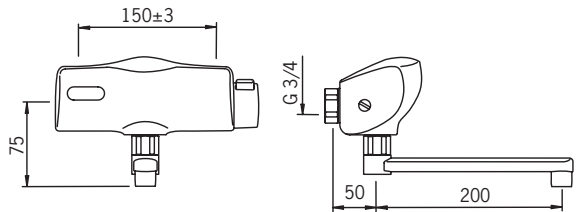


VA 1.42/17578
Sintef Nr. 0312

CE (EMC 89/336/EEC)

6179

EN 15091
I (ISO 3822)
100 - 1000 kPa
0.1 l/s (300 kPa) (with flow controller)
200 kPa (0.1 l/s)
max. +70°C

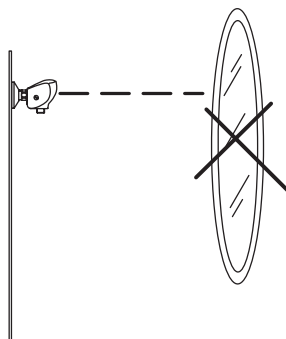
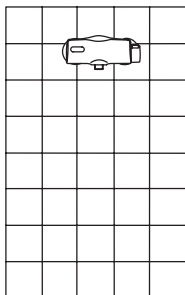
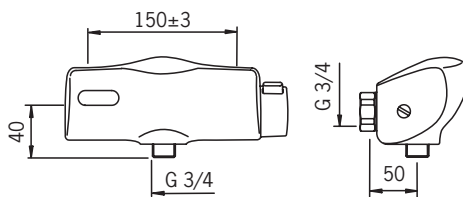


VA 1.42/17578
Sintef Nr. 0312

CE (EMC 89/336/EEC)

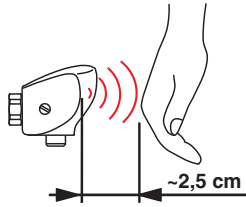
6180

EN 15091
II (ISO 3822) Oras lab.
100 - 1000 kPa
0.2 l/s (300 kPa)
300 kPa (0.2 l/s)
max. +70°C

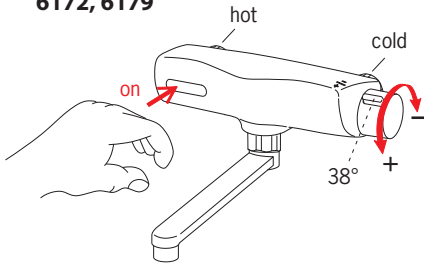


CE (EMC 89/336/EEC)

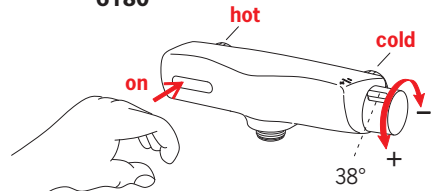
- Ⓧ DE **Funktion**
- Ⓧ GB **Operation**
- Ⓧ DK **Betjening**
- Ⓧ ES **Servicio**
- Ⓧ EE **Toimimine**
- Ⓧ FI **Toiminta**
- Ⓧ NL **Bediening**
- Ⓧ FR **Utilisation**
- Ⓧ IT **Funzionamento**
- Ⓧ LV **Darbības princips**
- Ⓧ LT **Veikimo principas**
- Ⓧ NO **Funksjon**
- Ⓧ PL **Działanie**
- Ⓧ RU **Принцип действия**
- Ⓧ SE **Funktion**
- Ⓧ SK **Funkcie**
- Ⓧ CZ **Funkce**



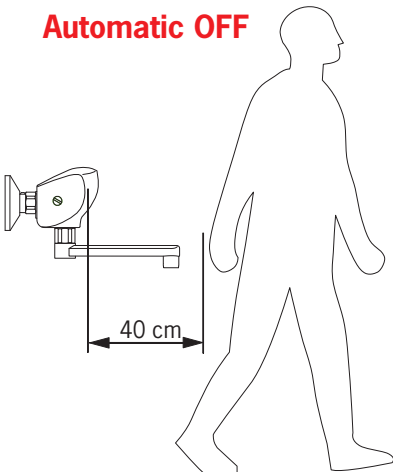
6172, 6179



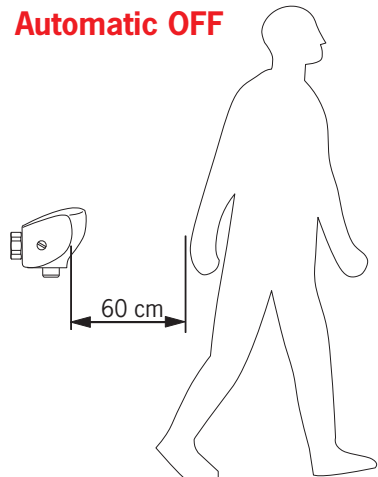
6180



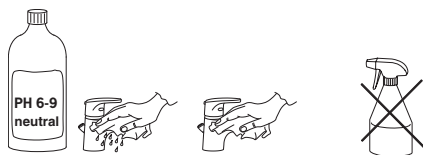
Automatic OFF



Automatic OFF

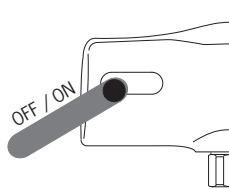


- ⒹE Reinigung der Armatur
- ⒼB Cleaning the faucet
- ⒹK Rengøring af armaturet
- ⒺS Limpieza de la grifería
- ⒺE Puhastamine
- ⒻI Puhdistus
- ⒼL Reinigen van de kraan
- ⒻR Nettoyage du robinet
- ⒻT Pulizia della rubinetteria
- ⒼV Krāna tīrīšana
- ⒻT Ventilio valymas
- ⒼO Rengjøring av kranen
- ⒼL Czyszczenie baterii
- ⒻR Чистка смесителя
- ⒺE Rengöring av kranarna
- ⒺK Čistenie vodovodnej batérie
- ⒸZ Čištění baterie



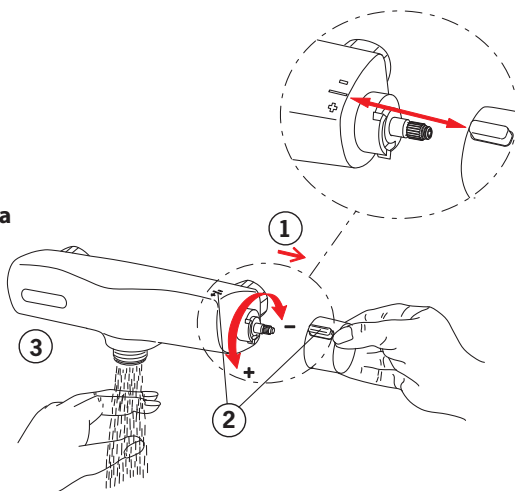
① OFF "BEP" (0 - 5 min) → ② ON "BEEP"

(5 min)

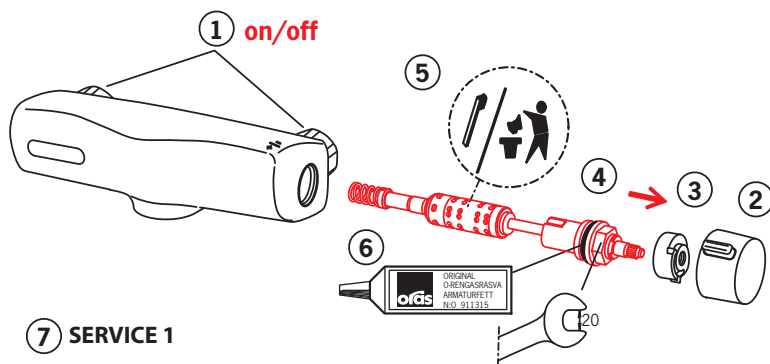


SERVICE 1

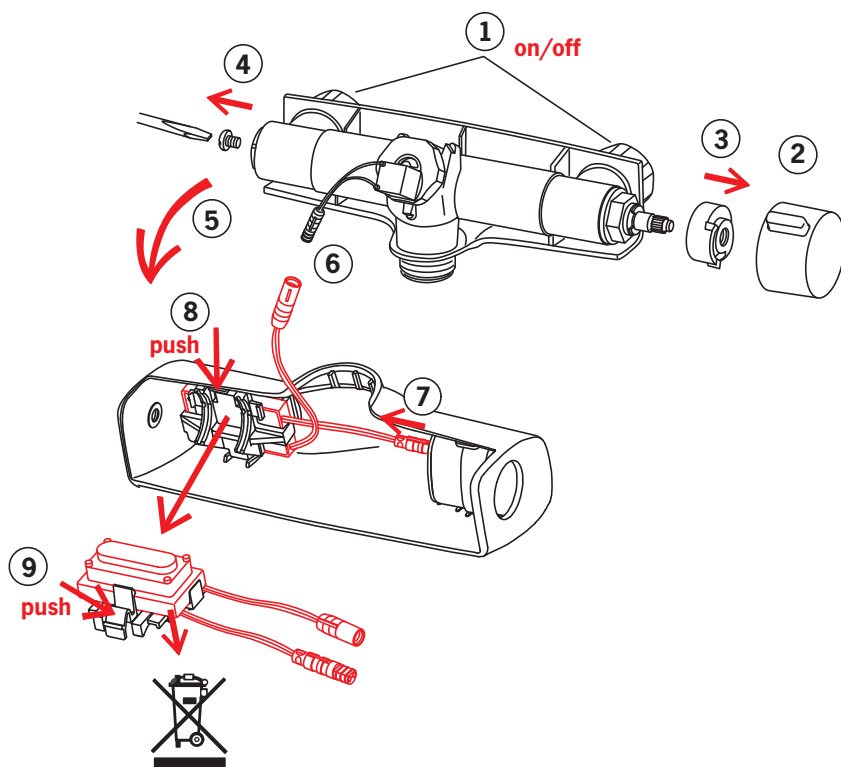
- ⒹE Temperatureinstellung
- ⒼB Temperature adjustment
- ⒹK Justering af temperaturen
- ⒺS Ajuste de la temperatura
- ⒺE Temperatuuri seadmine
- ⒻI Lämpötilan säätö
- ⒼL Temperatuursinstelling
- ⒻR Limitation de la température
- ⒻT Regolazione della temperatura
- ⒼV Temperatūras regulēšana
- ⒻT Temperatūros nustatymas
- ⒼO Justering av temperaturen
- ⒼL Regulacja temperatury
- ⒻR Регулировка температуры
- ⒺE Justering av blandnings-temperatur
- ⒺK Nastavenie teploty
- ⒸZ Nastavení teploty



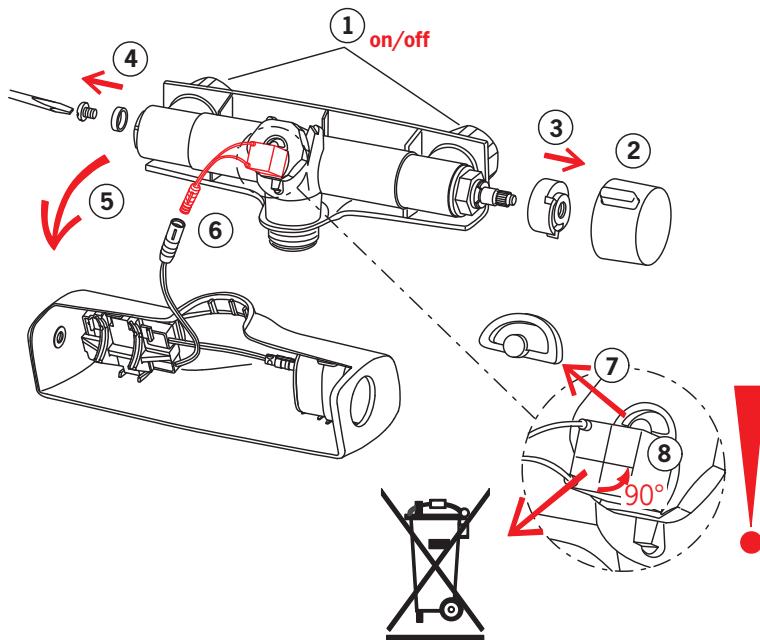
- ⓁⒹ **Wartung der Kartusche**
- ⓁⒸ **Servicing the cartridge**
- ⓁⒻ **Service på termostatdelen**
- ⓁⒺ **Mantenimiento del cartucho**
- ⓁⒺ **Seadeosa hooldus**
- ⓁⒾ **Säätöosan huolto**
- ⓁⒽ **Onderhoud ven het membraan**
- ⓁⒿ **Entretien de l'élément thermostatique**
- ⓁⒿ **Manutenzione della cartuccia**
- ⓁⒿ **Temperatūras regulēšanas kasetnes tīrīšana/maiņa**
- ⓁⒿ **Valdanciosios kasetės pakeitimas**
- ⓁⓃ **Service på termostatdelen**
- ⓁⓃ **Wymiana głowicy termostatycznej**
- ⓁⓃ **Техобслуживание узла регулировки**
- ⓁⓃ **Service av reglerinsats i blandaren**
- ⓁⓃ **Servis kartuše**
- ⓁⓃ **Servis kartuše**



- ⓁⒹ **Austausch des Sensors**
- ⓁⒸ **Changing the sensor**
- ⓁⒶ **Udskiftning af sensoren**
- ⓁⒺ **Cambiar el sensor**
- ⓁⒺ **Sensori vahetamine**
- ⓁⒾ **Sensorin vaihto**
- ⓁⒹ **Vervangen van de sensor**
- ⓁⒼ **Changement de la cellule**
- ⓁⒿ **Sostituzione del sensore**
- Ⓛ⒱ **Sensora maiņa**
- ⓁⒿ **Sensorius pakeitimas**
- ⓁⒽ **Byte av sensor**
- ⓁⓁ **Wymiana sensora**
- ⓁⓁ **Замена датчика, модели**
- ⓁⒺ **Byte av sensor**
- ⓁⓀ **Výmena senzora**
- ⓁⒿ **Výměna senzoru**



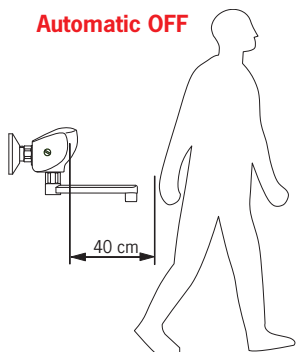
- ⒹE **Wartung der Magnetventil**
- ⒼB **Servicing the solenoid valve**
- ⒹK **Rensning/udskiftning af magnetventilens**
- ⒺS **Cambiar la válvula magnética**
- ⒺE **Magnetventiili vahetamine**
- ⒻI **Magneettiventtiilin vaihto**
- ⒼL **Vervanging van de magneetventiel**
- ⒻR **Changement de l'électrovanne**
- ⒻT **Sostituzione della valvola magnetica**
- ⒼV **Elektromagnētiskā vārsta maiņa**
- ⒻT **Elektromagnetinio vožtuvo pakeitimas**
- ⒼO **Bytting av magnetventil**
- ⒼL **Wymiana zaworu solenoidowego**
- ⒻU **Замена электромагнитного клапана**
- ⒺE **Byte av magnetventil**
- ⒺK **Výmena elektromagnetického ventilu**
- ⒸZ **Servis solenoidového ventilu**



- ⒹE **Änderung der Werkseinstellungen**
- ⒼB **Changing the factory settings**
- ⒹK **Ændring af fabriksindstillinger**
- ⒺS **Cambio de los ajustes de fábrica**
- ⒺE **Tehaseseadete muutmine**
- ⒻI **Tehdasasetusten muuttaminen**
- ⒼL **Wijziging factory settings**
- ⒻR **Changement du réglage d'usine**
- ⒻT **Modifiche delle regolazioni di fabbrica**
- ⒻV **Rūpnīcas iestatījumu maiņa**
- ⒻT **Gamyklinių nustatymų pakeitimas**
- ⒼO **Forandring av fabrikkens forhåndsinnstillinger**
- ⒻL **Zmiana nastaw fabrycznych**
- ⒻU **Изменение заводских значений**
- ⒺE **Justering av fabriksinställda styrparametrar**
- ⒺK **Zmena továrenských nastavení**
- ⒻZ **Změna hodnot předem nastavených výrobcem**

6172, 6179

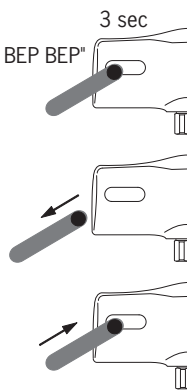
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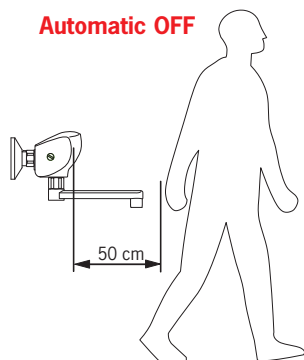
- ① "BEP" -> 3 sec -> "BEP BEP BEP BEP"
40 cm -> 50 cm

②

- ③ "BEEEEP" -> OK



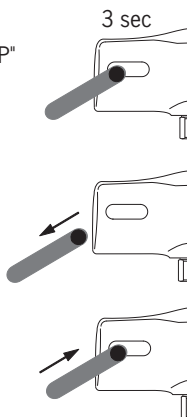
Automatic OFF



- ① "BEP" -> 3 sec -> "BEP BEP"
50 cm -> 40 cm

②

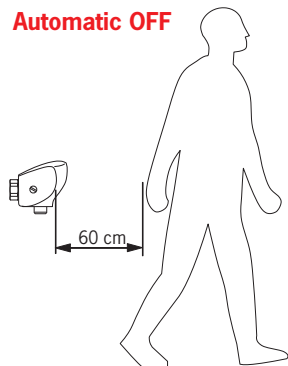
- ③ "BEEEEP" -> OK



- Ⓓ Änderung der Werkseinstellungen
- Ⓖᐁ Changing the factory settings
- Ⓓ᐀ Ændring af fabriksindstillinger
- Ⓔ᐀ Cambio de los ajustes de fábrica
- Ⓔ᐀ Tehaseseadete muutmine
- Ⓕ᐀ Tehdasasetusten muuttaminen
- Ⓖ᐀ Wijziging factory settings
- Ⓕ᐀ Changement du réglage d'usine
- Ⓕ᐀ Modifiche delle regolazioni di fabbrica
- Ⓕ᐀ Rūpnīcas iestatījumu maiņa
- Ⓕ᐀ Gamyklinių nustatymų pakeitimas
- Ⓖ᐀ Forandring av fabrikkens forhåndsinnstillinger
- Ⓕ᐀ Zmiana nastaw fabrycznych
- Ⓕ᐀ Изменение заводских значений
- Ⓔ᐀ Justering av fabriksinställda styrparametrar
- Ⓕ᐀ Zmena továrenských nastavení
- Ⓕ᐀ Změna hodnot předem nastavených výrobcem

6180

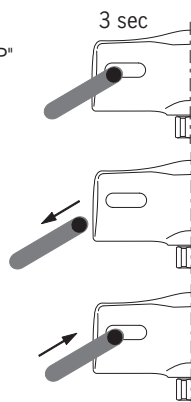
Automatic OFF



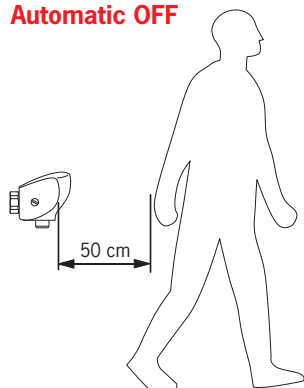
- ① "BEP" -> 3 sec -> "BEP BEP"
60 cm -> 50 cm

②

- ③ "BEEEEP" -> OK



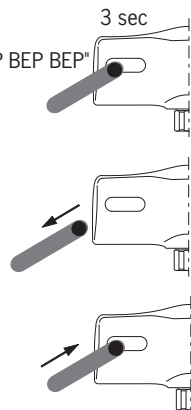
Automatic OFF



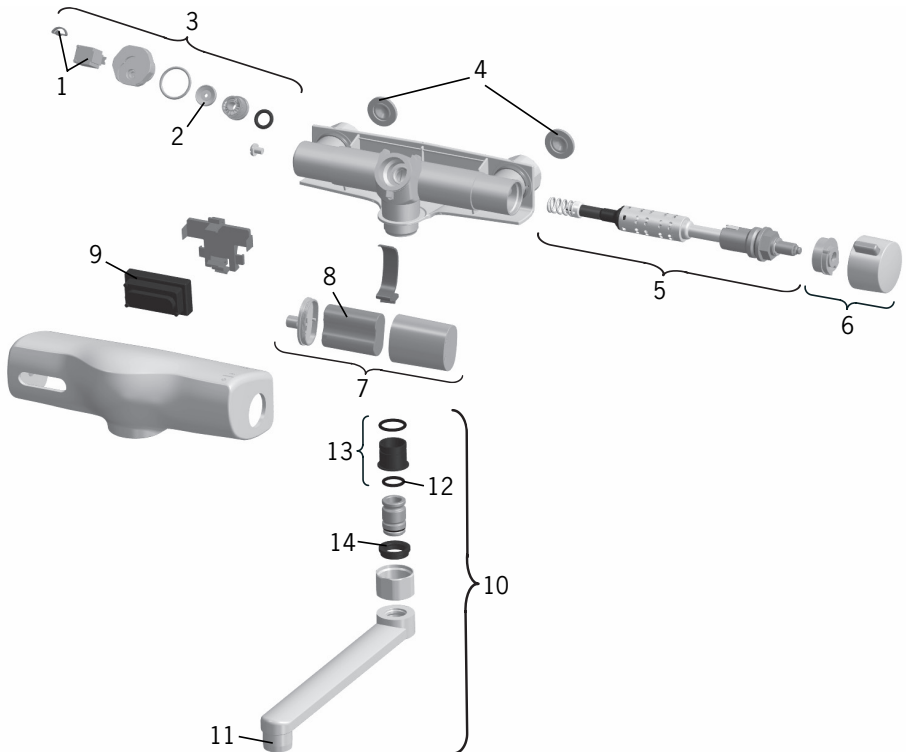
- ① "BEP" -> 3 sec -> "BEP BEP BEP BEP"
50 cm -> 60 cm

②

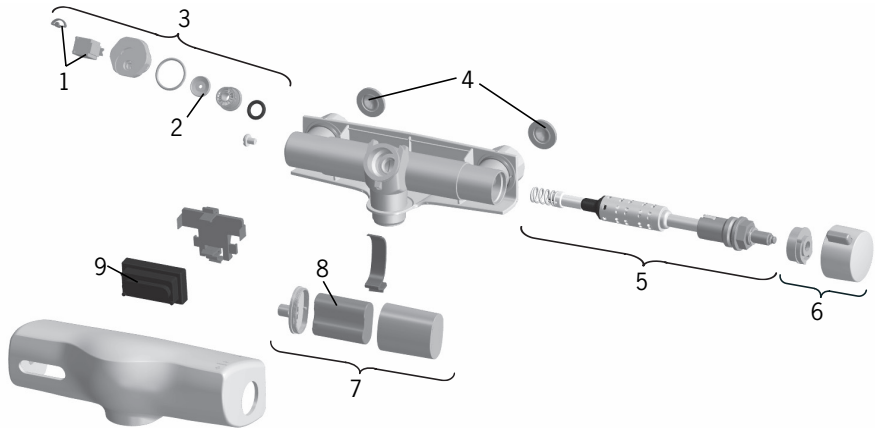
- ③ "BEEEEP" -> OK



(DE) Ersatzteile	6172, 6179
(GB) Spare parts	1 199426V
(DK) Reservedele	2 199240V
(ES) Piezas de recambio	3 199423V
(EE) Varuosad	4 178375V
(FI) Varaosat	5 199434V
(NL) Reserve-onderdelen	6 169945V
(FR) Pièces détachées	7 199438V
(IT) Pezzi di ricambio	8 198330
(LV) Rezerves daļas	9 600201V
(LT) Atsarginės dalys	10 211212 L=100
(NO) Reservedeler	10 211222 L=200
(PL) Części zamienne	11 199435V
(RU) Запасные части	12 469360/10
(SE) Reservdelar	13 219595/10
(SK) Náhradné diely	14 219563/10
(CZ) Náhradní díly	



DE	Ersatzteile	6180	
GB	Spare parts	1	199426V
DK	Reserve dele	2	199240V
ES	Piezas de recambio	3	199423V
EE	Varuosad	4	178375V
FI	Varaosat	5	169940V
NL	Reserve-onderdelen	6	169945V
FR	Pièces détachées	7	199438V
IT	Pezzi di ricambio	8	198330
LV	Rezerves daļas	9	600259V
LT	Atsarginės dalys		
NO	Reservdeler		
PL	Części zamienne		
RU	Запасные части		
SE	Reservdelar		
SK	Náhradné diely		
CZ	Náhradní díly		



Oras is a significant developer, manufacturer and marketer of kitchen and bathroom faucets. Ever since the company's founding in 1945 in Rauma, Finland, Oras has been dedicated to bring products of high quality and design with user-friendly technological solutions to the markets. Each technological improvement is designed to contribute to water and energy savings. As early as in the 1990s, Oras presented the touchless, electronic faucets to the European HVAC markets. Oras' vision is to become the true owner of the electronic faucet markets in Europe.

Oras is entirely owned by a family company Oras Invest. All Oras faucets are produced in Europe, in the company's three factories located in Rauma, Finland, in Olesno, Poland and in Leksvik, Norway. Likewise the raw material and the components used in production are sourced from European suppliers. For more information, visit www.oras.com

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The TÜV CERT Certification Body of TÜV NORD Zertifizierungs- und Umweltgutachter Gesellschaft mbH certifies that the Quality Management System of Oras Olesno Sp. z o.o. in Olesno Poland, conforms to the ISO 9001, the Environmental Management System to the ISO 14001 standard and the Occupational Health and Safety System to the OHSAS 18001 standard. The certificates are valid for manufacture, storage, marketing, sales and after sales services of faucets, valves and accessories.



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