Užívateľský manuál

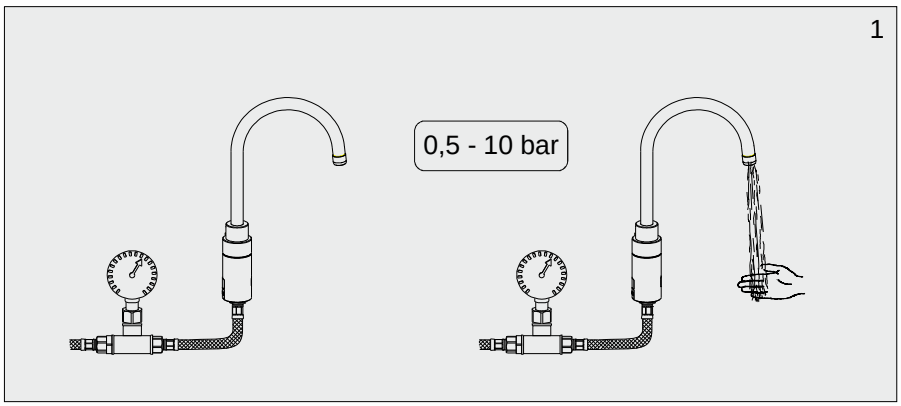
automatická výtoková armatúra

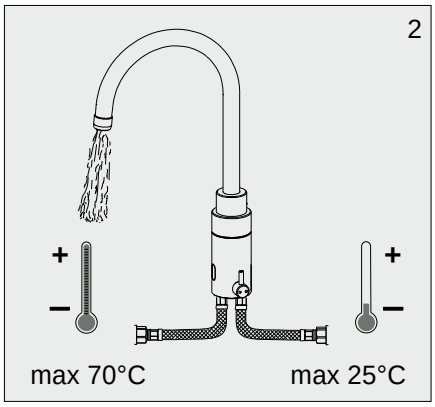
WBS 2.1 L2.1
WBS 2.2 L2.1
WBS 2.2X L2.1

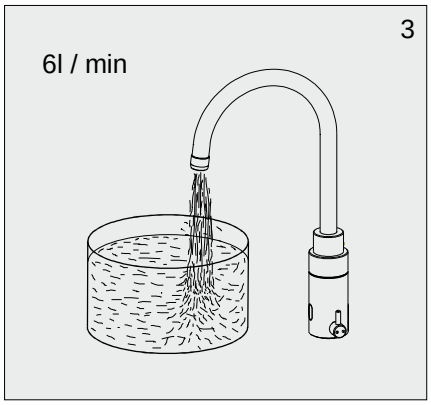
6 V=

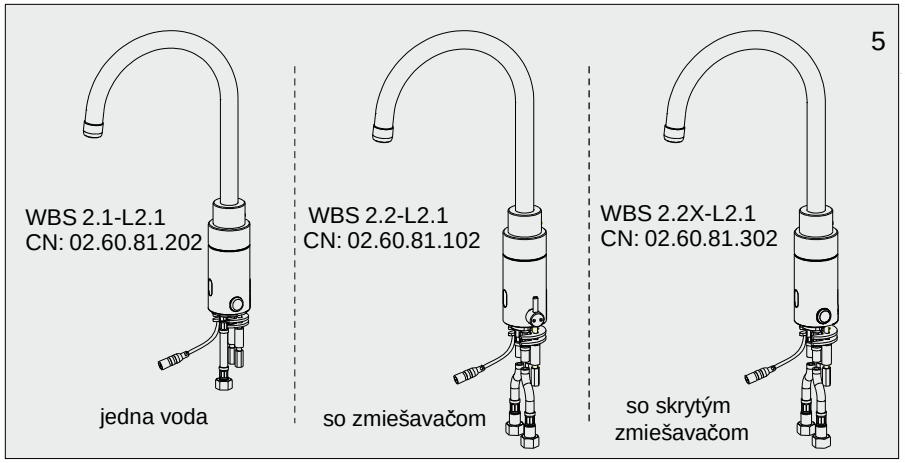
CN: 02.60.81.202
CN: 02.60.81.102
CN: 02.60.81.302
Var 1/2020

1. Technické údaje







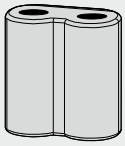


Možné varianty:

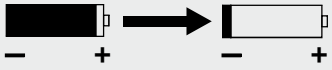
6

pre varianty **1,2,3** s púzdrom batérie

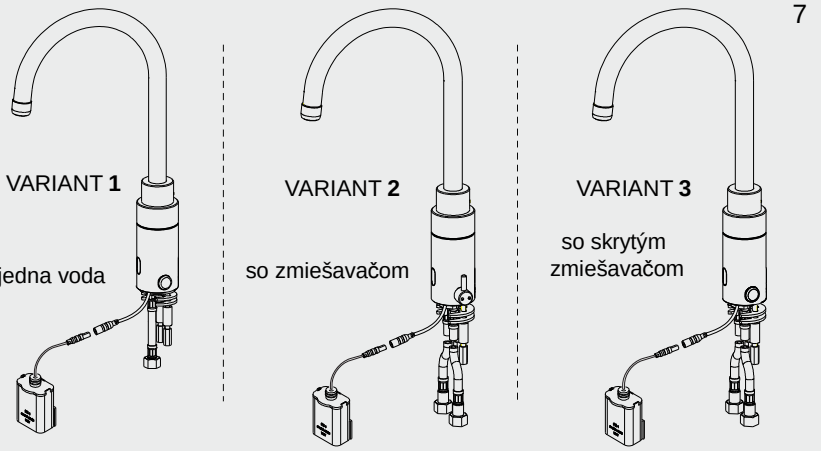
6V Lithium
CR - P2
DL 223A



2 roky pri
6000 cyklov / mesiac

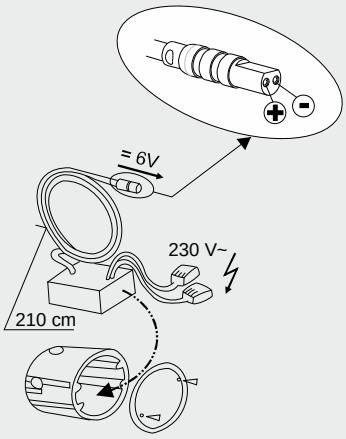


7



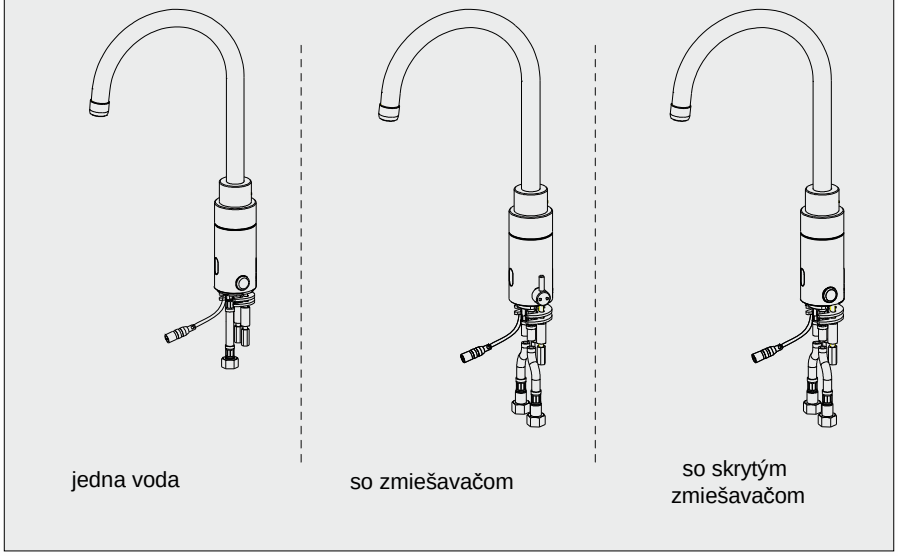
8

pre varianty **4,5,6**



ZAS 230A/6DS.30C

9



CN: 02.60.81.202
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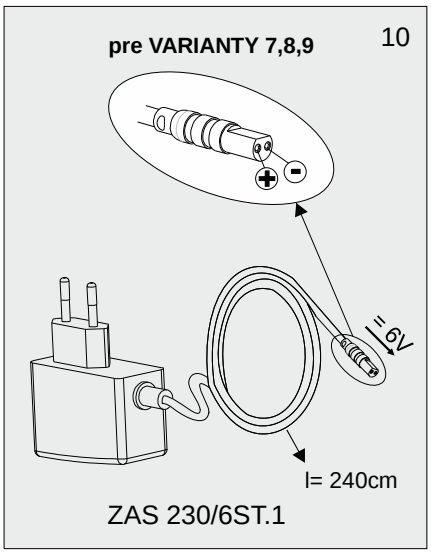
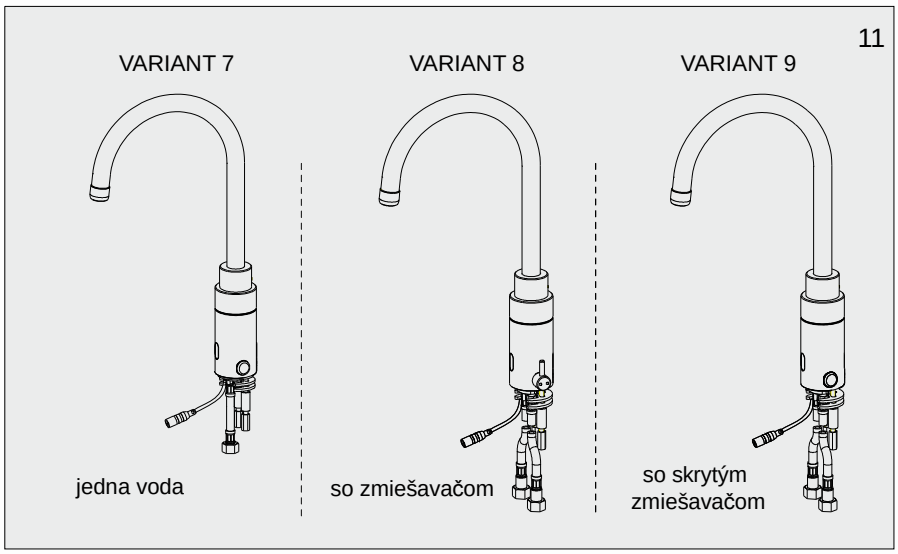
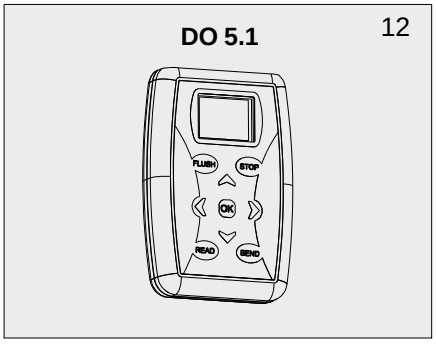
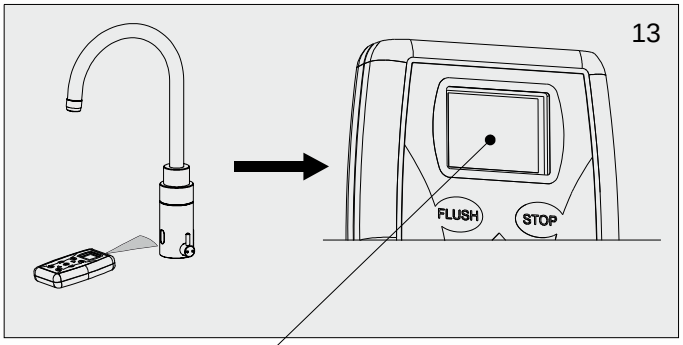
CN: 02.60.81.302

Var 1/2020









Status

Hyg. Status

14

Senzor status:

1. Sensor run time: (doba prevádzky snímača)
2. Valve cycles (počet cyklov ventilu)
   User counter: (užívateľské počítadlo cyklov)
   Total count: (celkový počet cyklov)
3. Code Number (kódové číslo)
   Software ID (verzia programu)

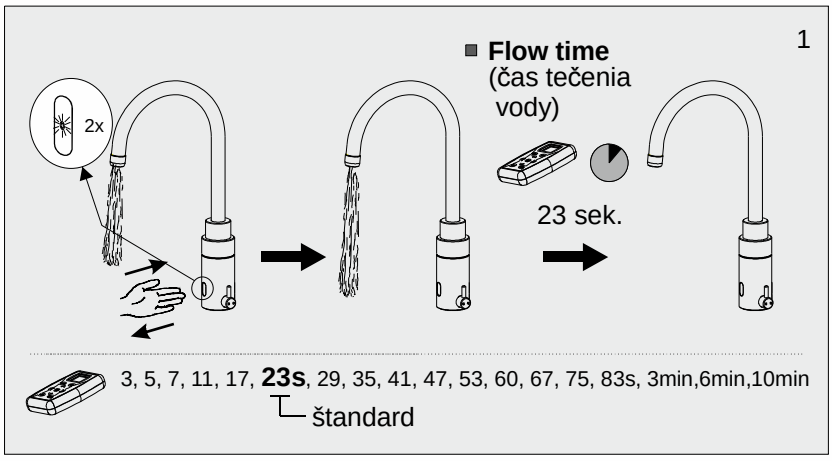
15

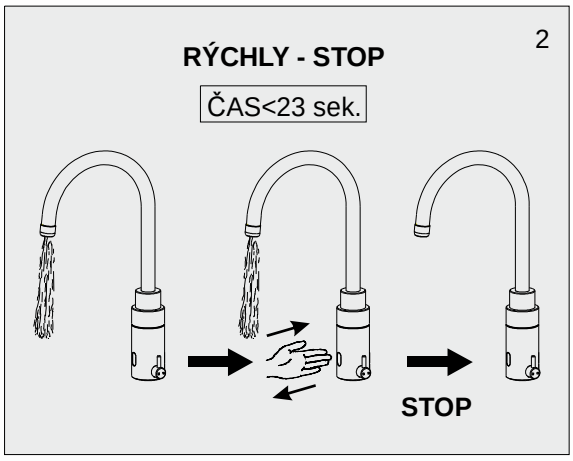
Hygienic status: (Hygienický status)

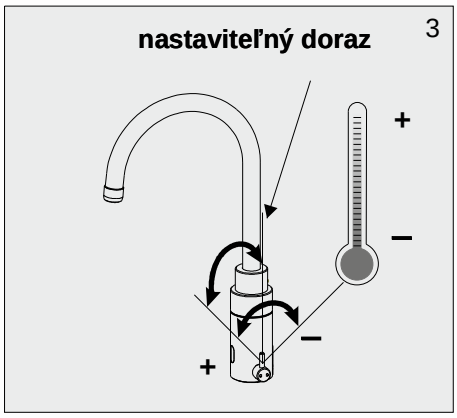
1.Currently set: (aktuálne nastavené hodnoty-parametre hygienického preplachu--perióda/trvanie)

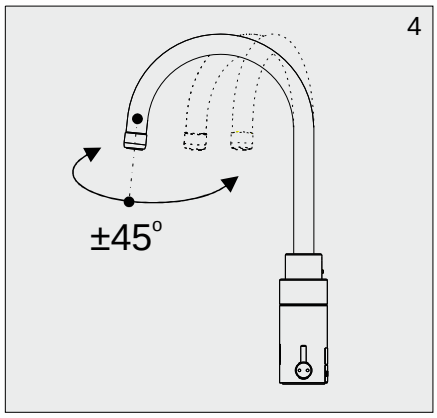
2.Stagnation time: (nastavený max. stagnačný čas vody v potrubí pre hygienický preplach)

2. Popis činnosti





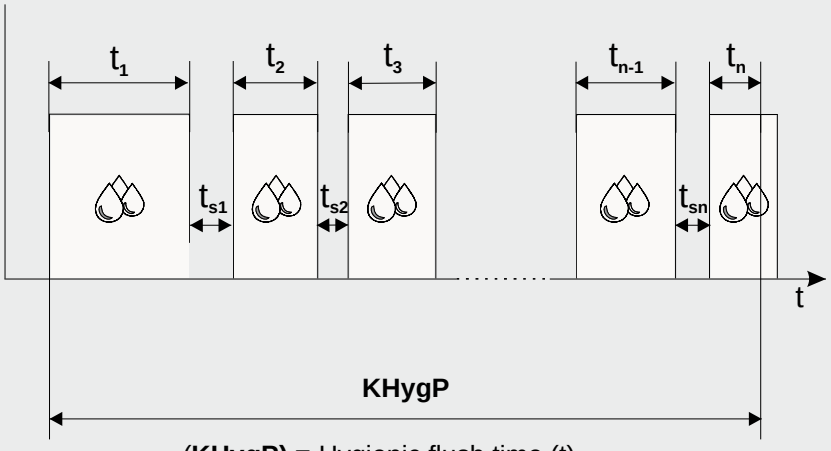




5

Automatický korektný hygienický preplach (KHygP)

- Hyg. period - C (Hygienic periode C): OFF, 1, 3, 6**,** 12, 24, 48, **72,** 96, 108 (hod.) (perióda hyg. preplachu v hod.)
  štandard
- Hyg. flush time (Hygienic flush time): 3, 4, 5, 10**,** 15, **30,** 60, 90, 120, 150, 180 (sek.) (nastavený čas tečenia vody v sek.)
  štandard
- Hyg. stagn. time (Hygienic stagnation time): 0, 5s, 10s**,** 30s, 1min, 3, 5,**10min,** 30, 1hod., 3, 6, 12 (hod.) (povolená doba-čas státia vody v potrubí)
  štandard



(**KHygP) =** Hygienic flush time (t)

Korektný hygienický preplach:

$t_1 + t_2 + t_3 + t_{n-1} + t_n \geq t$

t - Hygienic flush time

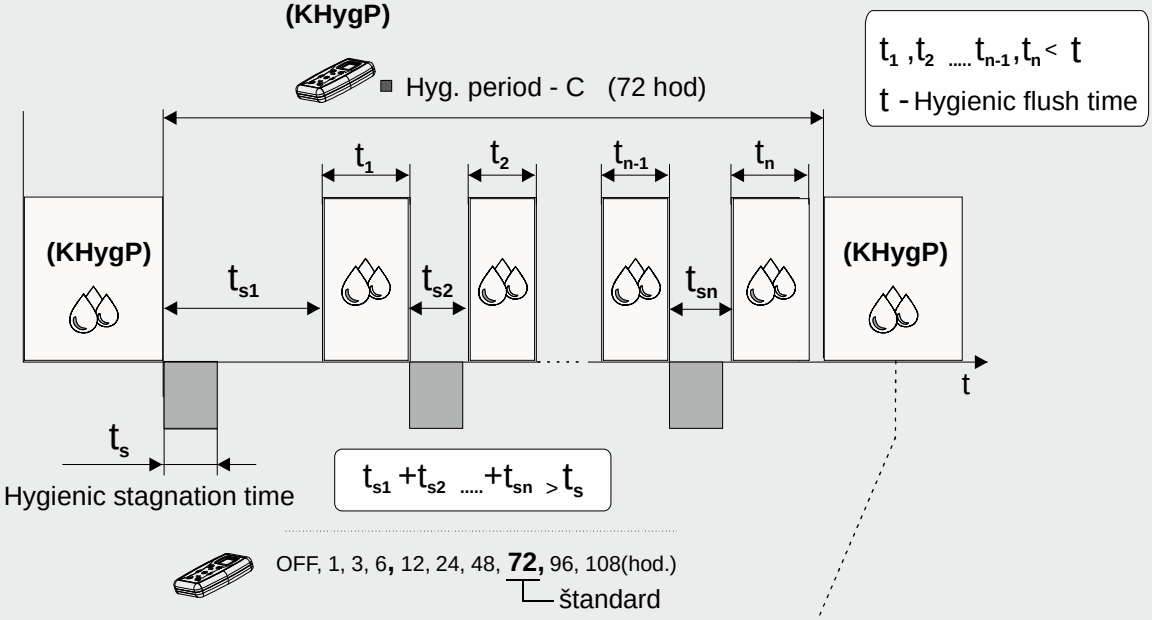
a súčasne platí:

$t_{s1} + t_{s2} \ldots\ldots + t_{sn} \leq t_s$

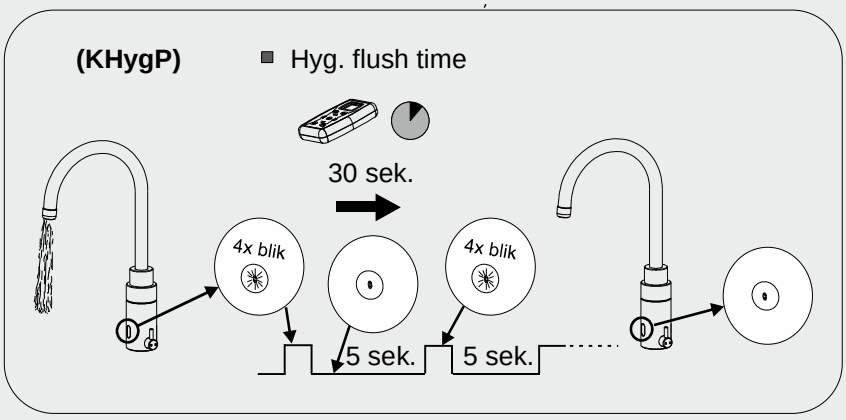
t_s - stagnačný čas (Hygienic stagnation time)

Perióda korektného hygienického preplachu

(KHygP)

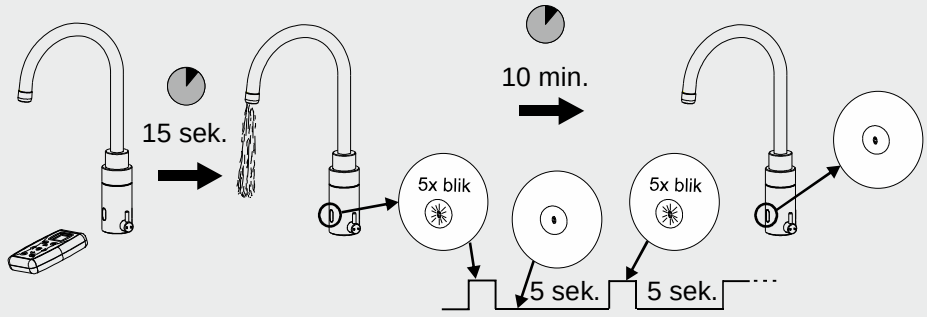


OFF, 1, 3, 6**,** 12, 24, 48, **72,** 96, 108(hod.)
štandard



3, 4, 5, 10**,** 15, **30,** 60, 90, 120, 150, 180 (sek.)
štandard

Thermal flush (dezinfekčný preplach)



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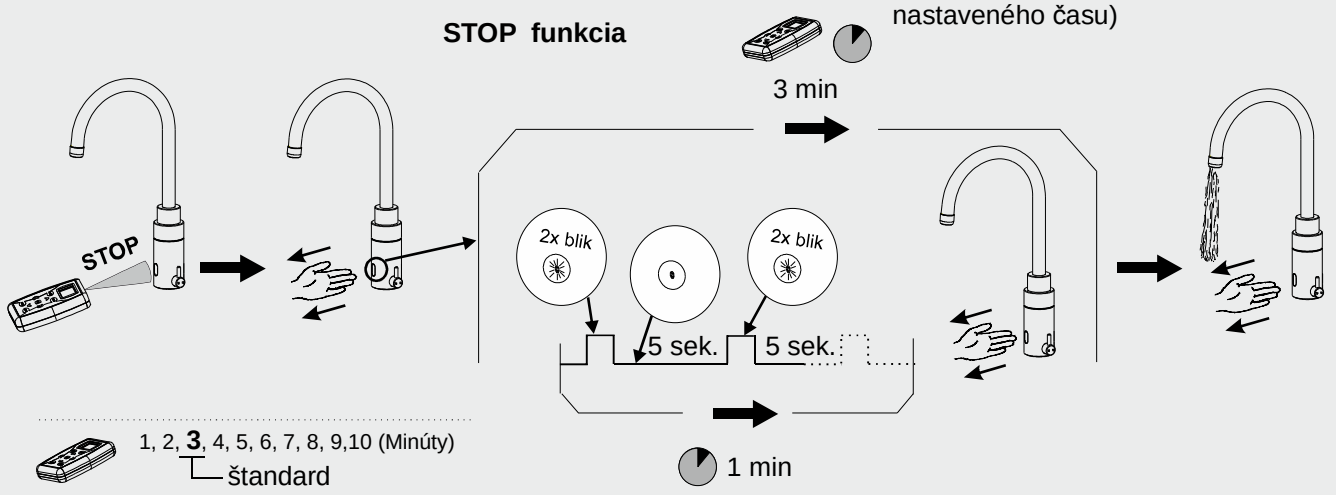
STOP funkcia

■ **Stop time** (voda **netečie** po dobu nastaveného času)



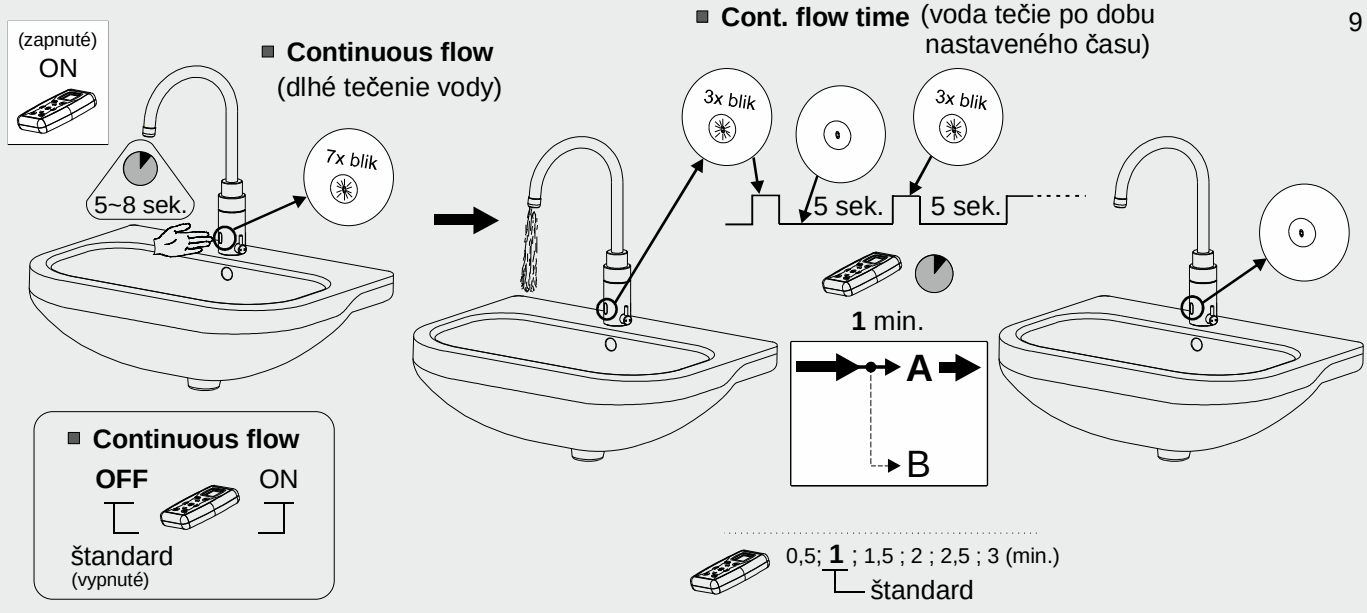
1, 2, **3**, 4, 5, 6, 7, 8, 9,10 (Minúty)
└ štandard

9

(zapnuté)
ON

■ **Continuous flow**
(dlhé tečenie vody)

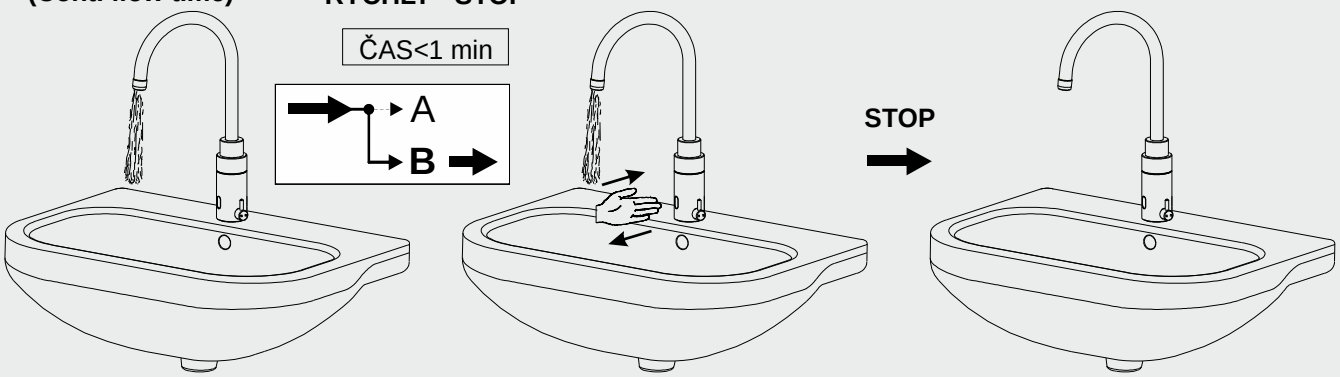
■ **Cont. flow time** (voda tečie po dobu nastaveného času)



■ **Continuous flow**
OFF ON
└ štandard
(vypnuté)

0,5; **1** ; 1,5 ; 2 ; 2,5 ; 3 (min.)
└ štandard

(Cont. flow time) **RÝCHLY - STOP**



10

Valve cycles
OK - reset
(Funkcia vynulovania užívateľského počítadla cyklov)

Default values
OK - set
(Továrenské nastavenie parametrov)

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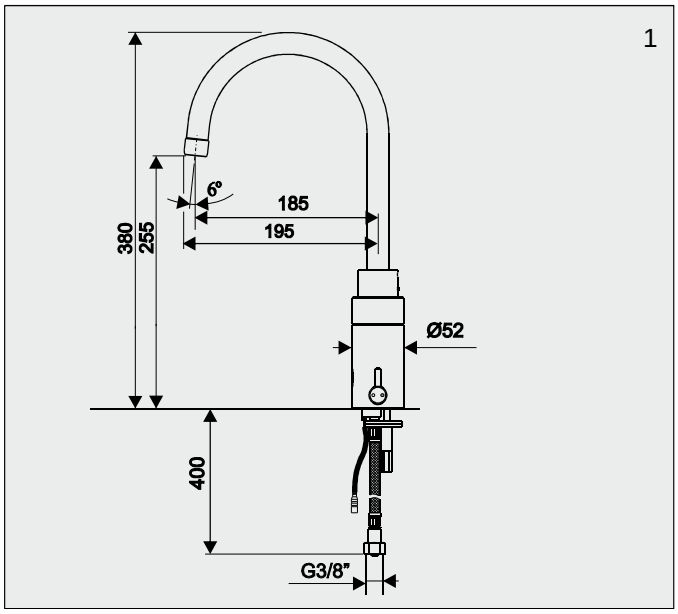
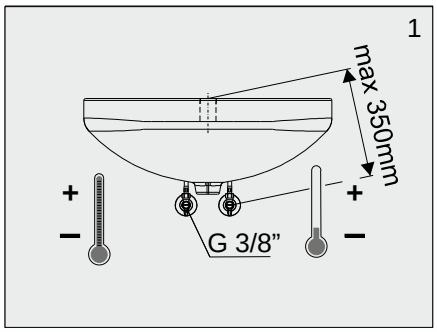
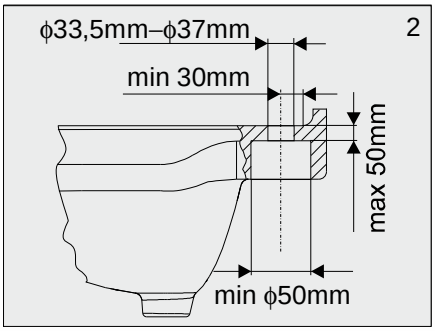
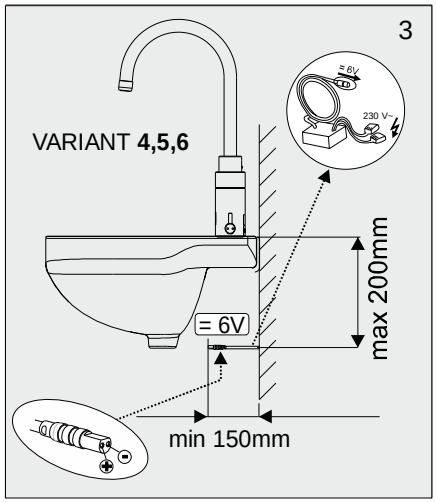
3. Základné rozmery

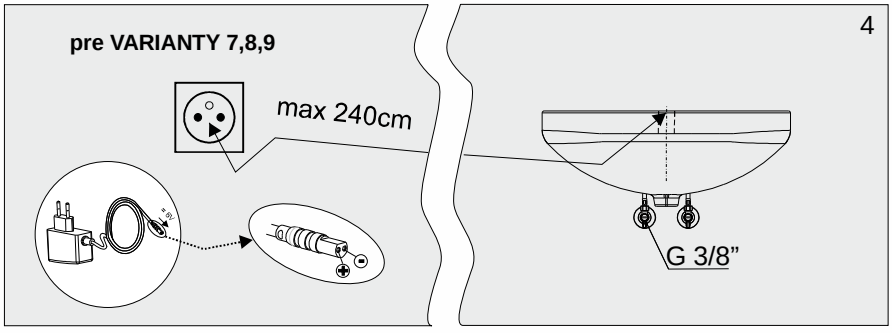


4. Stavebná pripravenosť

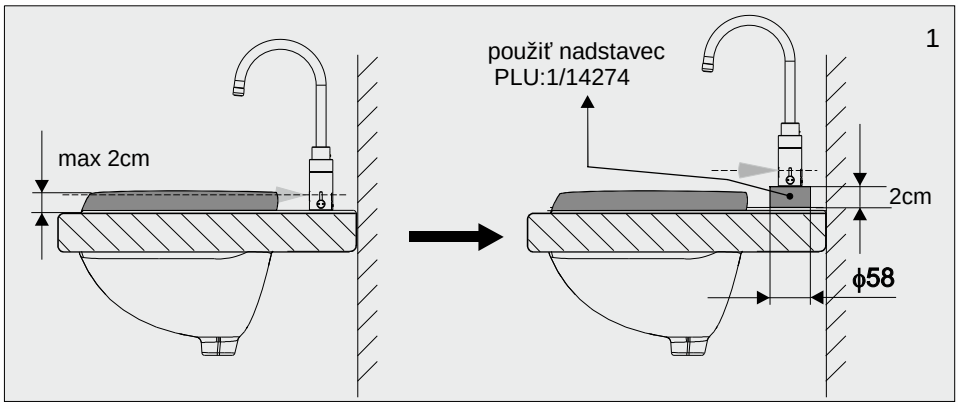




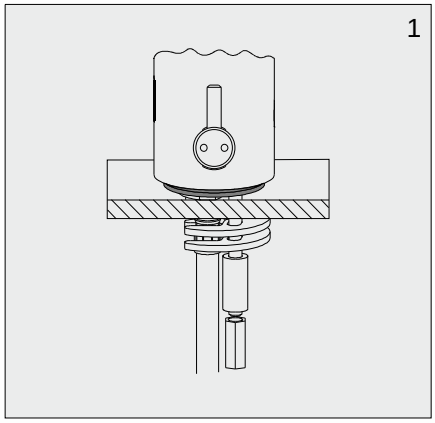


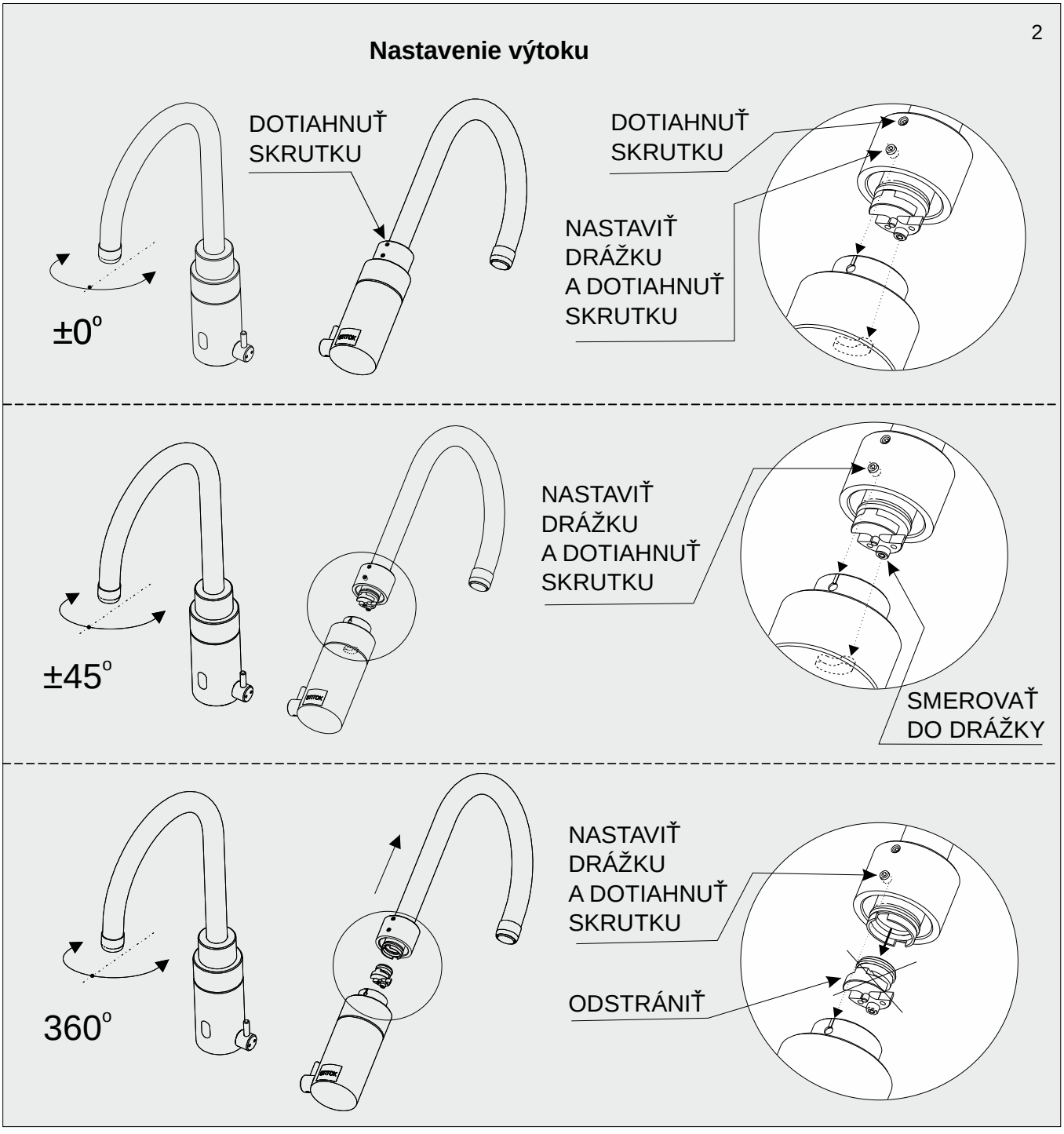


4.3 Možné problémy:



5. Inštalácia





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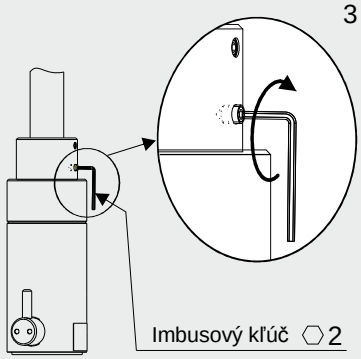
CN: 02.60.81.302

3



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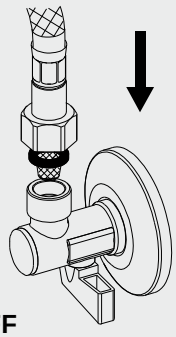
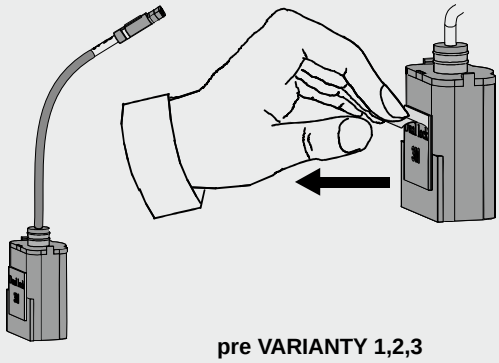


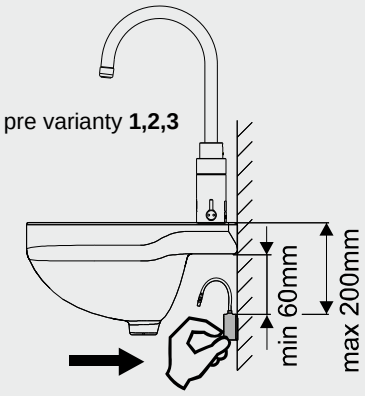
OFF
(ventil zatvoriť)

5



pre VARIANTY 1,2,3

6



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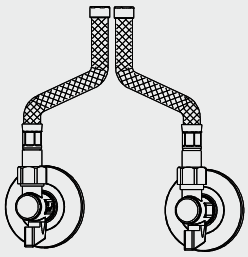
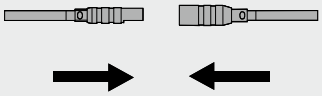


ON
(ventil otvoriť)

8



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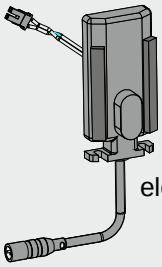
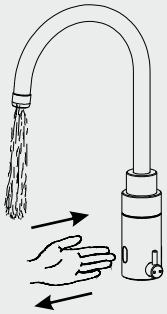


elektronika-rovnaká
pre varianty
1-9

10

TEST



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CN: 02.60.81.302

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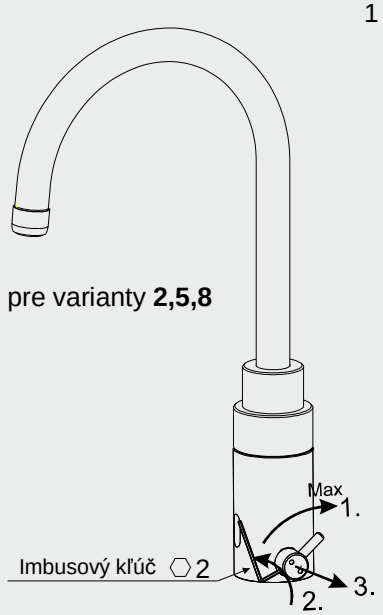
6. Nastavenie dorazu zmiešavača - primiešanie studenej vody

1



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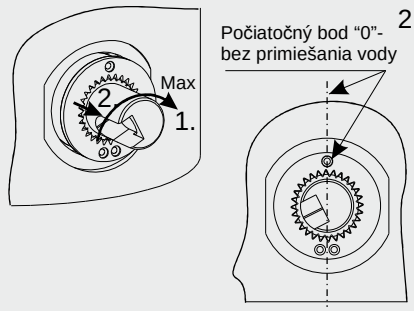

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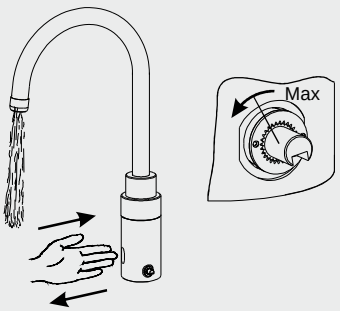

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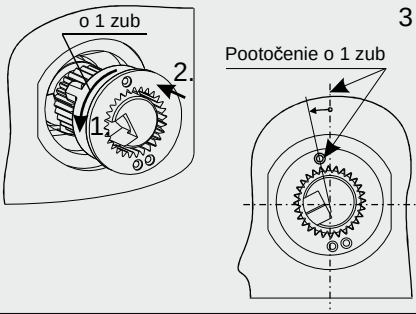
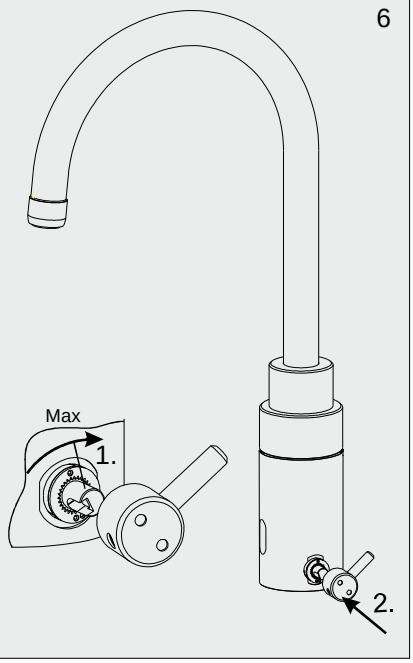


5

Ak je potreba zvýšiť primiešanie studenej vody posunúť doraz o ďalší zub podľa bodov 2 až 4 až kým primiešanie studenej vody nie je dostatočné

6



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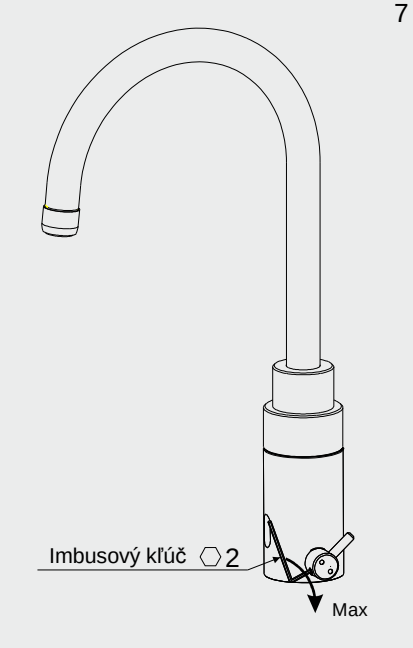
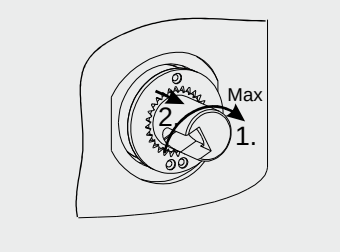


8

Ak pri nastavovaní dorazu nebola nastavená požadovaná teplota vody, tj. ak pri nastavení na “X” zub je voda príliš teplá a pri nastavení na “X+1” zub je voda už studená je potreba konať nasledovne pred bodom 6.

9



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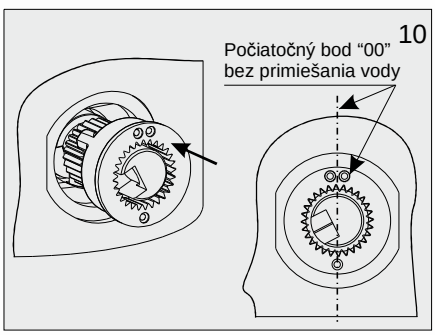

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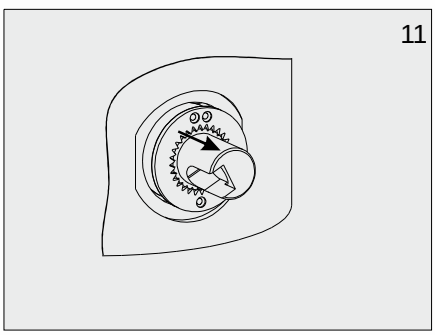

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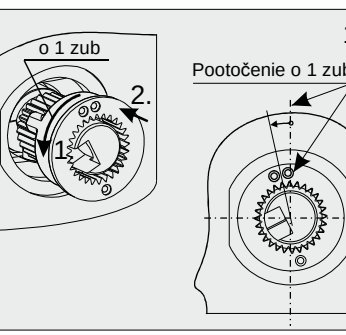
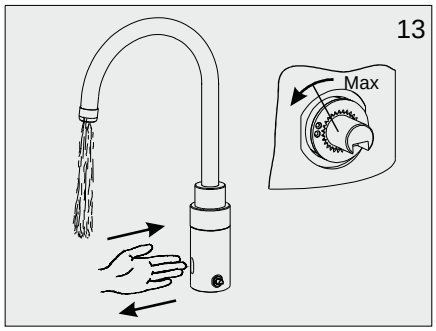
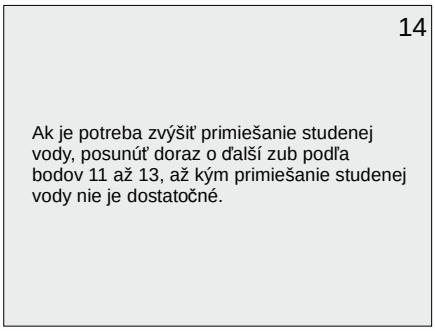
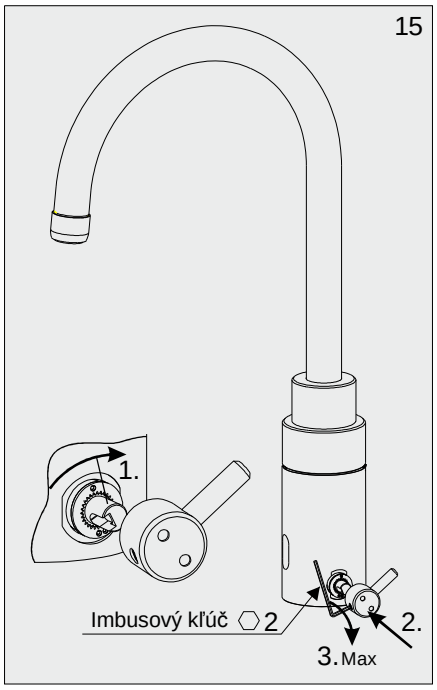
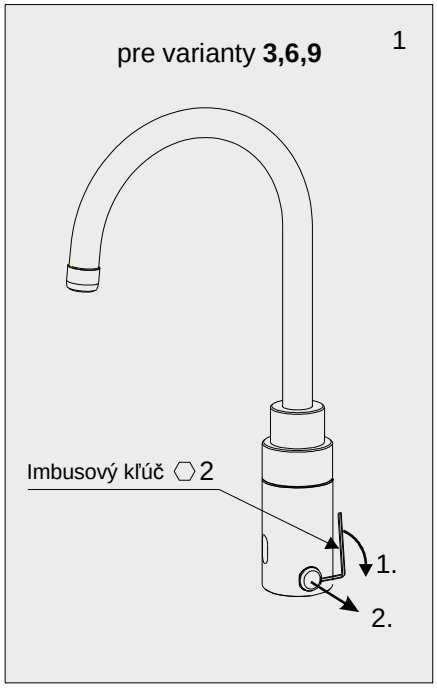


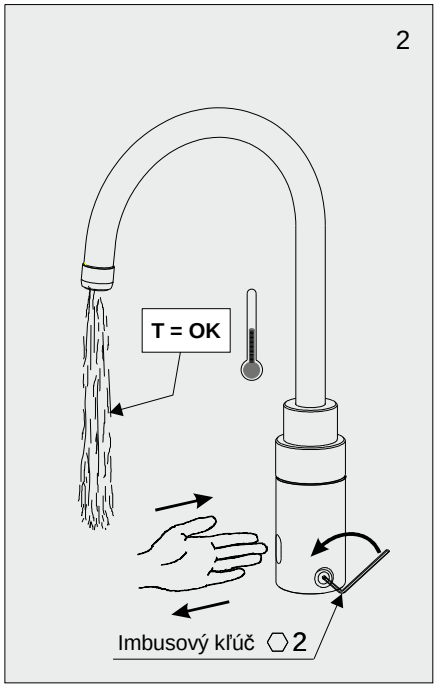


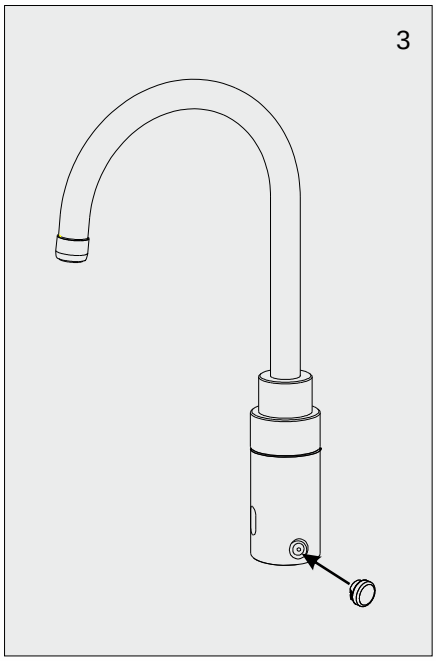


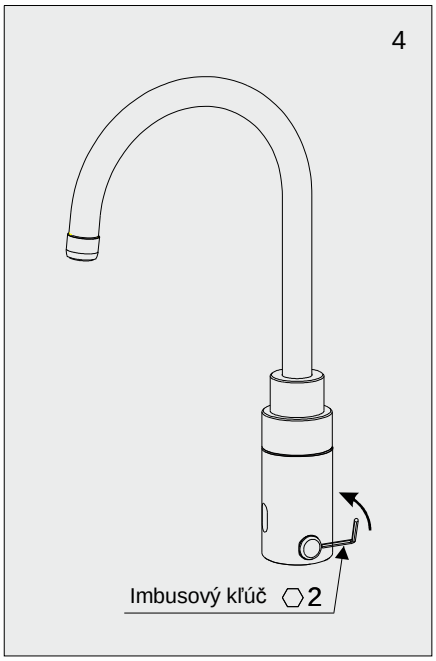


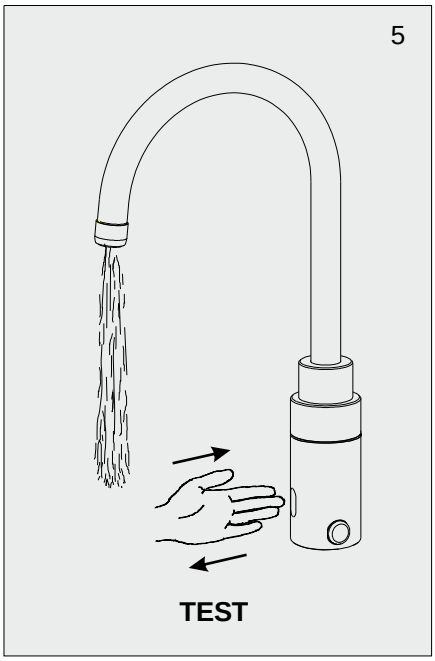
7. Nastavenie polohy zmiešavača





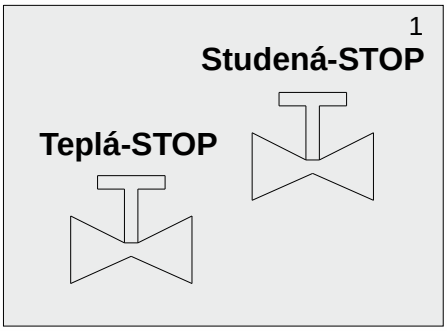


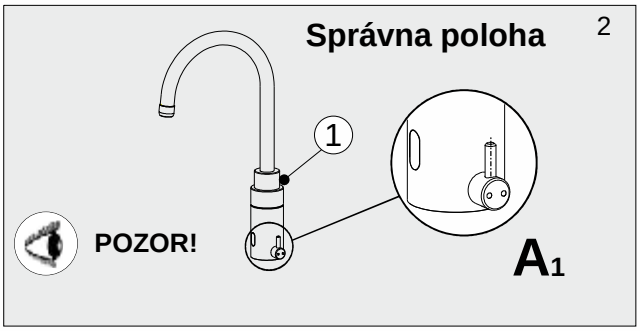


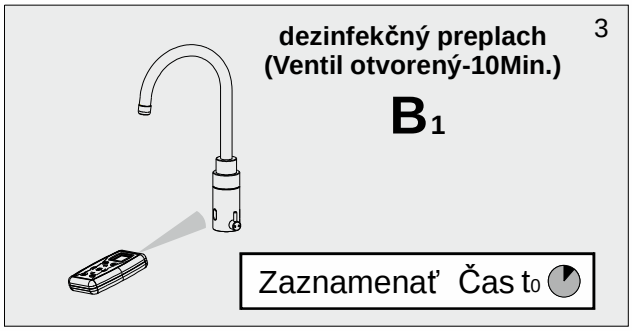


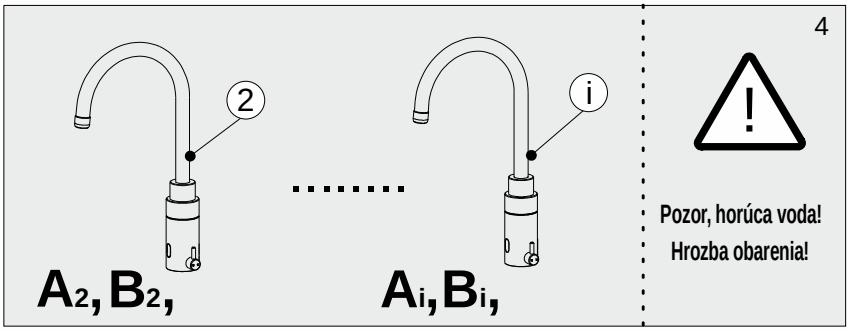
CN: 02.60.81.202
CN: 02.60.81.102
CN: 02.60.81.302

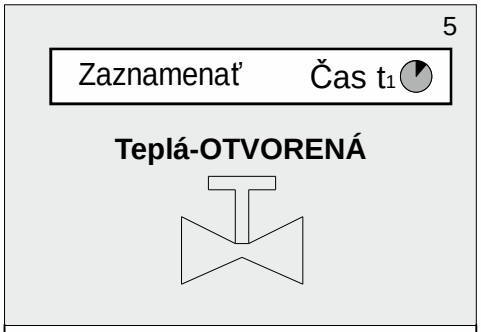
8. Termická dezinfekcia vetvy pre teplú vodu









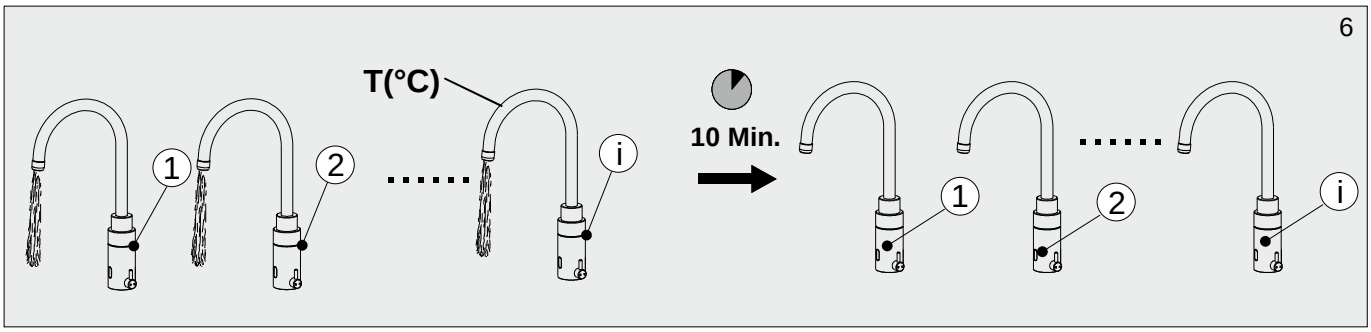


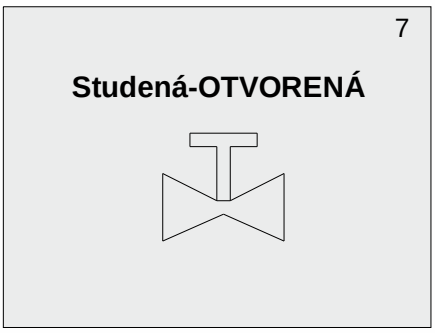
Príklad:

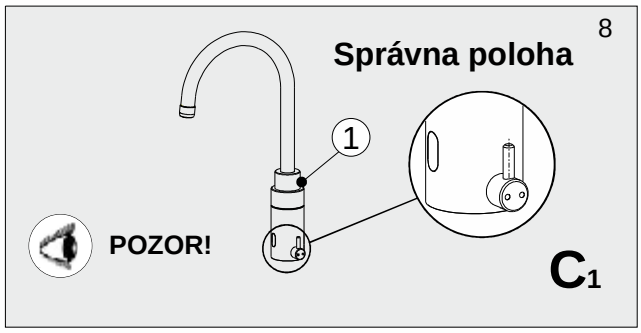
t_0 = 8.04 Hod.
t_1 = 8.07 Hod.
$t = 10-(t_1-t_0)$
t =10-(8.07 Hod. - 8.04 Hod.) = 7Min.

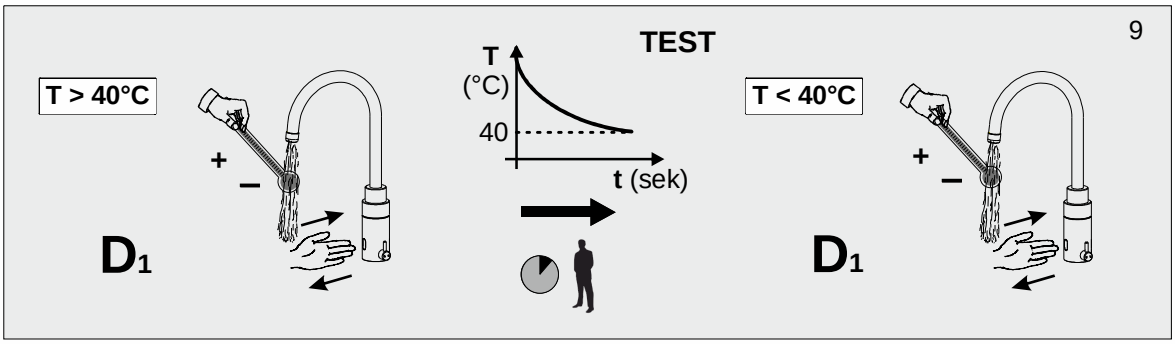
2 Minimálna teplota horúcej vody 68°C

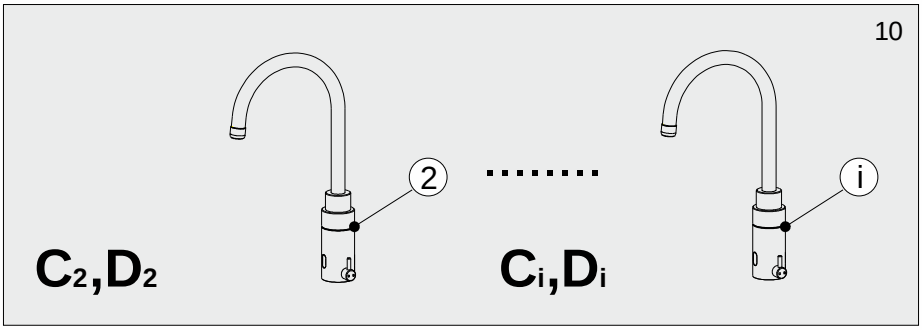
Odporúčaný min. čas dezinfekcie	
$10-(t_1-t_0)=t$	
Teplota **T**(°C)	Trvanie **t** (Min.)
70	5
69	5,6
68	6,4
67	7,4
66	8,6
65	10


6
T(°C)
1
2
i
10 Min.
1
2
i

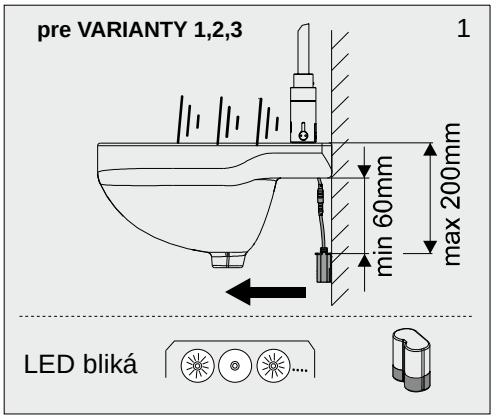

7
Studená-OTVORENÁ

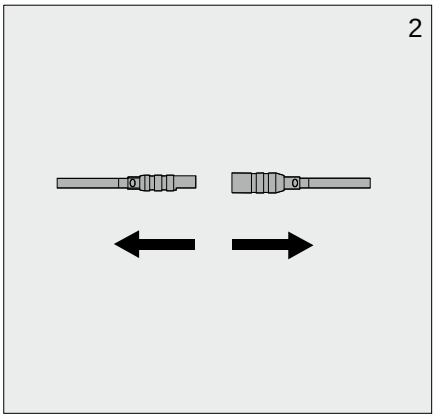

8
Správna poloha
1
POZOR!
C1

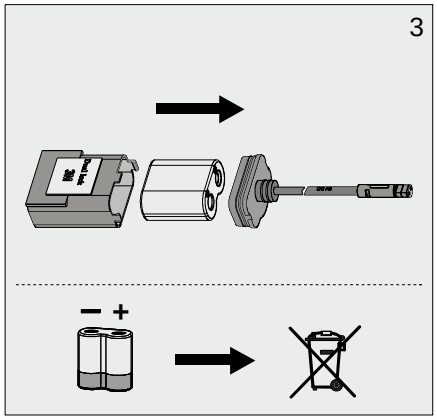

9
TEST
T > 40°C
+
–
D1
T
(°C)
40
t (sek)
T < 40°C
+
–
D1

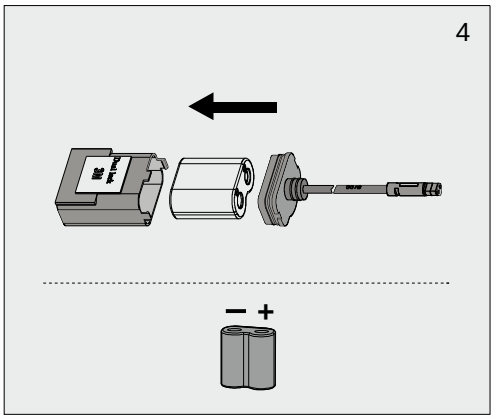

10
2
i
C2,D2
Ci,Di

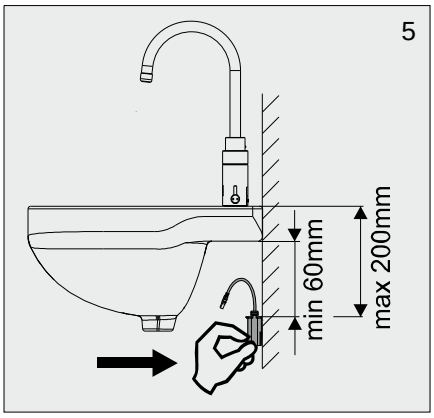
9. Výmena batérie

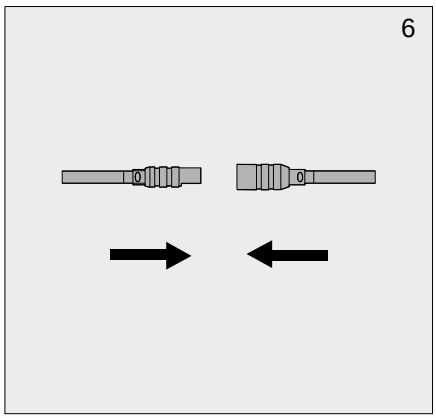


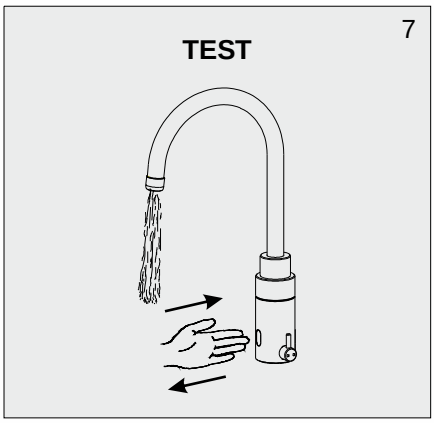




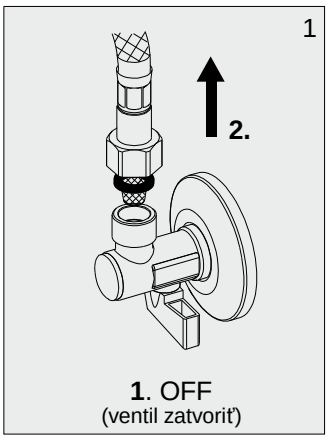


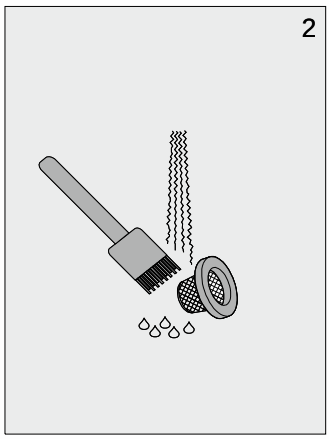


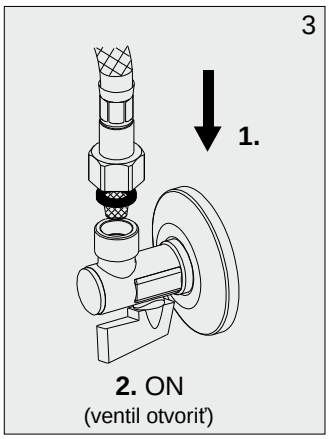




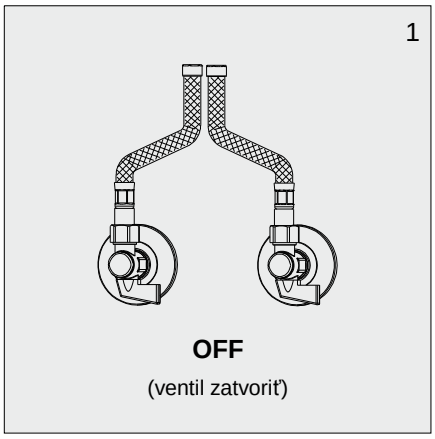
10. Čistenie filtrov

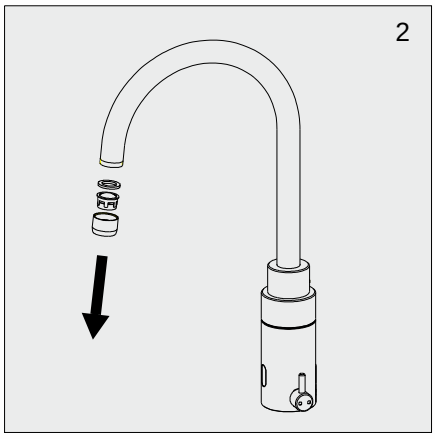


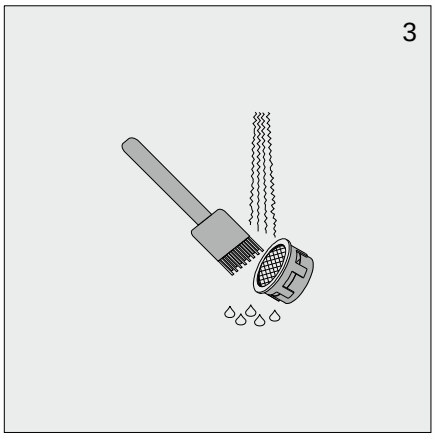


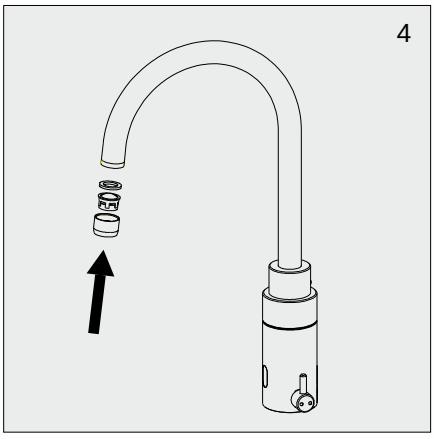


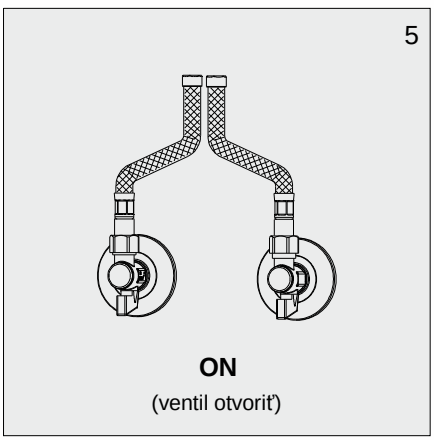
11. Čistenie perlátora

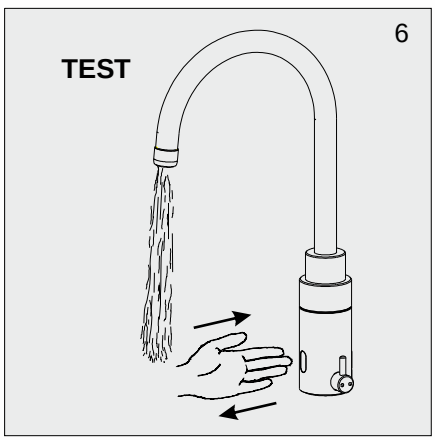




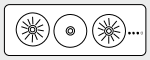








12. Riešenie problémov

Problém	Príčina	Odstránenie závady
Netečie voda	• Zatvorený rohový ventil • Vybitá batéria • Pokazený snímač	Otvoriť rohový ventil Vymeniť batériu Zavolať servis
Bliká dióda 	• Vybitá batéria	Vymeniť batériu
Znížený prietok vody	• Upchatý perlátor • Upchatý filter	Vyčistiť perlátor Vyčistiť filter
Stále tečie voda	• Pokazený elektromagnetický ventil	Zatvoriť rohový ventil a volať servis

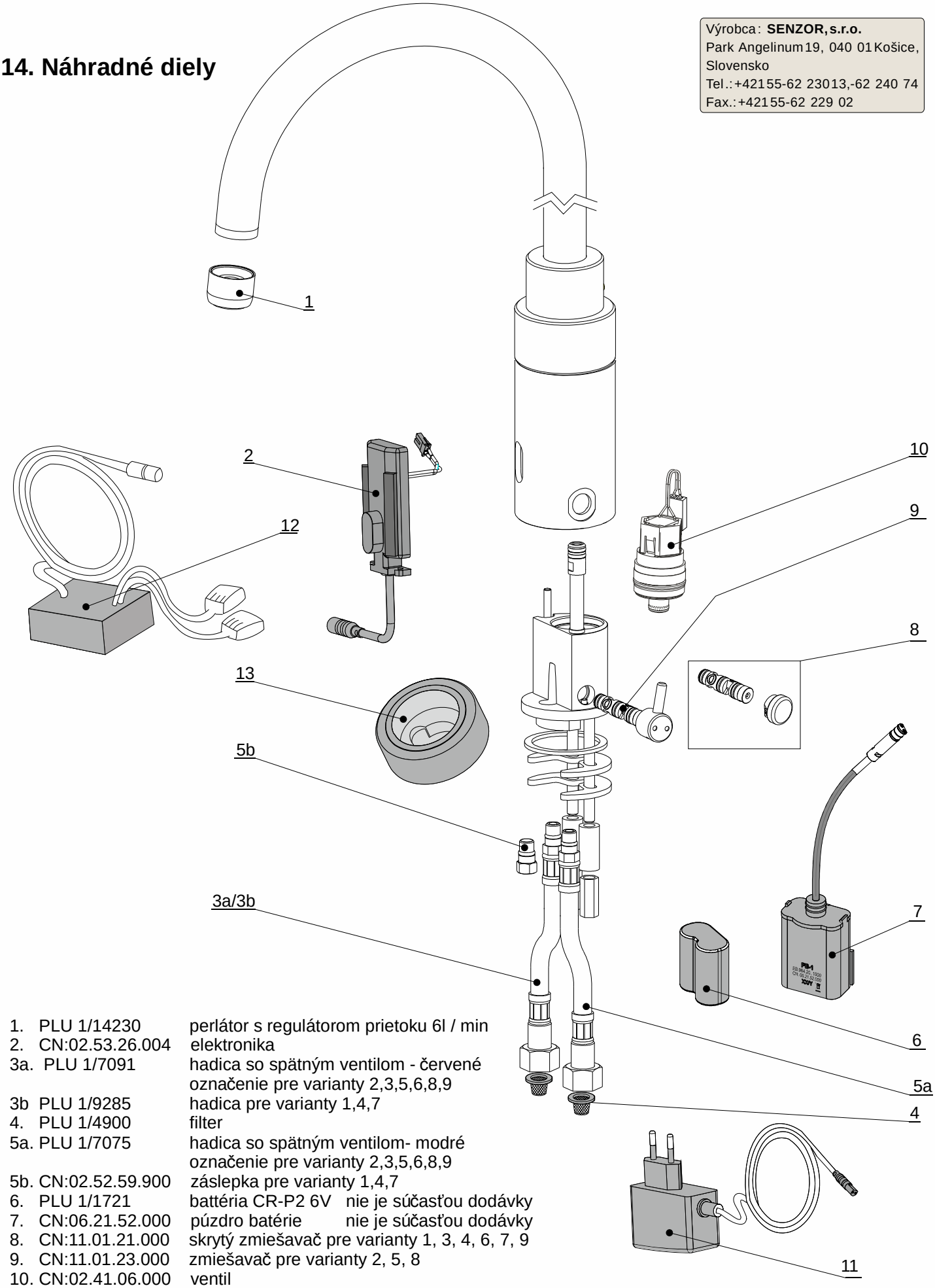
13. Dôležité upozornenia!

Púzdro batérie a batéria CR-P2 6V nie sú súčasťou dodávky
Napájací zdroj nie je súčasťou dodávky.

Nepoužívajte mechanické čistiace prostriedky, ani prípravky s obsahom alkoholu, čpavku, kyseliny soľnej, kyseliny fosforečnej, kyseliny octovej a chlóru.

14. Náhradné diely

Výrobca: **SENZOR, s.r.o.**
Park Angelinum 19, 040 01 Košice, Slovensko
Tel.: +421 55-62 230 13, -62 240 74
Fax.: +421 55-62 229 02



1.	PLU 1/14230	perlátor s regulátorom prietoku 6l / min
2.	CN:02.53.26.004	elektronika
3a.	PLU 1/7091	hadica so spätným ventilom - červené označenie pre varianty 2,3,5,6,8,9
3b	PLU 1/9285	hadica pre varianty 1,4,7
4.	PLU 1/4900	filter
5a.	PLU 1/7075	hadica so spätným ventilom- modré označenie pre varianty 2,3,5,6,8,9
5b.	CN:02.52.59.900	záslepka pre varianty 1,4,7
6.	PLU 1/1721	battéria CR-P2 6V nie je súčasťou dodávky
7.	CN:06.21.52.000	púzdro batérie nie je súčasťou dodávky
8.	CN:11.01.21.000	skrytý zmiešavač pre varianty 1, 3, 4, 6, 7, 9
9.	CN:11.01.23.000	zmiešavač pre varianty 2, 5, 8
10.	CN:02.41.06.000	ventil
11.	CN:06.21.34.010	napájací zdroj nie je súčasťou dodávky
12.	CN:06.21.31.020	napájací zdroj nie je súčasťou dodávky
13.	PLU 1/14274	nadstavec nie je súčasťou dodávky

CN: 02.60.81.202
CN: 02.60.81.102
CN: 02.60.81.302