

# integral 4PLUS

**sk**

**en**



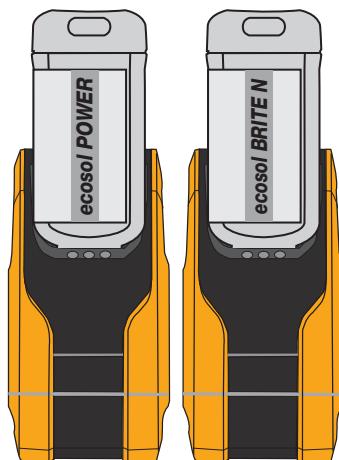
## Vitajte!

S dávkovačom integral 4PLUS ste sa rozhodli pre presné a plne automatické dávkovacie zariadenie pre komerčné umývačky riadu. S dávkovačom integral 4PLUS dávkujete tekutý vysoko-koncentrovaný čistiaci a leštiaci prostriedok. Tým pokryjete požiadavky v kuchyni.

V tomto návode na obsluhu je vysvetlená Inštalácia a používanie zariadenia. Na web stránke [www.hagleitner.com](http://www.hagleitner.com) nájdete za účelom podpory používateľa film k inštalácii, prvému uvedeniu do prevádzky a použitiu Vášho nového dávkovacieho systému.

Ďakujeme Vám, že ste sa rozhodli pre tento produkt spoločnosti HAGLEITNER. Pri otázkach, problémoch alebo podnetoch nám pošlite vašu adresu a telefónne číslo, budeme Vás kontaktovať!

Náplne multiFILL: vysoko koncentrované čistiace a leštiace prostriedky. Kompaktný sortiment pre komerčné umývanie riadu.



### čistiace alebo sušiace

#### **ecosol POWER**

Art. č. 4220101119

#### **ecosol POWER ALU**

Art. č. 4220101319

#### **ecosol POWER OSMO GL**

Art. č. 4220101219

### leštiace prostriedky

#### **ecosol BRITE N**

Art. č. 4220200319

#### **ecosol BRITE S**

Art. č. 4220200419



Pre návod na použitie vo vašom jazyku  
naskenujte tento QR kód:  
<http://www.hagleitner.com/en/downloads/>

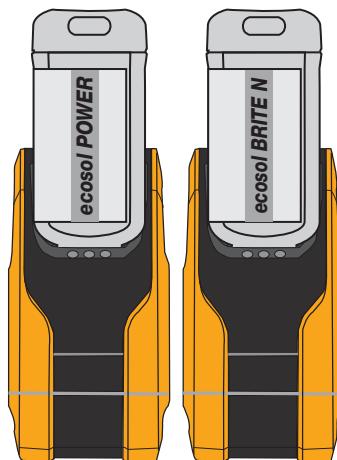
## Welcome!

With your selection of the integral 4PLUS dispenser, you have chosen a precise and fully automated dosing unit for industrial, commercial dishwashing machines. Integral 4PLUS dispenser is a dosing device for liquid, concentrated dishwashing detergent and rinse-aid. Specially developed to cover the requirements of commercial dishwashing.

These operating instructions explain the installation and operation of the unit. For further support, go to [www.hagleitner.com](http://www.hagleitner.com) and view a user video about the installation, initial start-up and use of your new dispensing system.

Thank you for choosing this HAGLEITNER product. We look forward to receiving your address and telephone number to make contact in the event of questions, problems or suggestions!

*In the multiFILL cartridge: concentrated detergent and rinse-aid  
A compact assortment for commercial dishwashing*



### Cleaner

#### **ecosol POWER**

Art.-No. 4220101119

#### **ecosol POWER ALU**

Art.-No. 4220101319

#### **ecosol POWER OSMO GL**

Art.-No. 4220101219

### Rinse-aid

#### **ecosol BRITE N**

Art.-No. 4220200319

#### **ecosol BRITE S**

Art.-No. 4220200419



Please scan this QR code for instructions for use in your language:  
<http://www.hagleitner.com/en/downloads/>

## Obsah

Čo potrebujete .....	6
Zásielka .....	7
Dávkovač integral 4PLUS .....	7
integral 4PLUS FLOWMETER .....	8
integral 4PLUS PUMP POWER / BRITE .....	8
integral 4START POWER / BRITE .....	9
integral 4PLUS powerPACK ex .....	9
Možnosť: integral 4WALL .....	10
Možnosť: integral 4PLUS DISPLAY .....	10
Zoznam náradia .....	10
Možnosti inštalácie .....	11
Inštalácia pod stôl / Inštalácia na stenu .....	11
Vloženie pumpy .....	13
Nalepenie nálepky .....	18
Inštalácia samostatného dávkovača .....	19
Inštalácia samostatného dávkovača pod stôl .....	19
Inštalácia samostatného dávkovača na stenu .....	22
Radová inštalácia .....	24
Radová Inštalácia pod stôl .....	24
Radová Inštalácia na stenu .....	28
Inštalácia integral 4PLUS FLOWMETER .....	32
Inštalácia hadíca a káblu samostatného dávkovača .....	34
Uloženie hadíca a káblu .....	34
Pripevnenie bočných panelov .....	36
Nastavenie dávkovača .....	37
Uchytenie L-častí .....	39
Uchytenie kábla .....	41
Inštalácia hadíca a káblu za sebou .....	43
Uloženie hadíca a káblu .....	43-44
Pripevnenie bočných panelov .....	45
Nastavenie dávkovača .....	46
Uchytenie L-častí .....	48
Uchytenie kábla .....	51
Inštalácia čistiaceho prípravku .....	52
Inštalácia vstupného zásobníka .....	52
Inštalácia preplachovača .....	54
Inštalácia spätného ventila .....	54
Pripojenie napájania .....	55
App. Aktivácia dávkovača .....	56
Opotrebované časti .....	56
Ovládanie .....	57
Výmena náplne .....	57
Piktogramy .....	58



## Content

<b>What you need .....</b>	<b>6</b>
<b>Scope of delivery .....</b>	<b>7</b>
integral 4PLUS dispenser .....	7
integral 4PLUS FLOWMETER .....	8
integral 4PLUS PUMP POWER / BRITE .....	8
integral 4START POWER / BRITE .....	9
integral 4PLUS powerPACK ex .....	9
Option: integral 4WALL .....	10
Option: integral 4PLUS DISPLAY .....	10
Tool list .....	10
<b>Mounting options .....</b>	<b>11</b>
Undertable/wall mounting .....	11
<b>Insert pump .....</b>	<b>13</b>
Insert label .....	18
<b>Installation individual dispenser .....</b>	<b>19</b>
Under table installation individual dispenser .....	19
Wall installation individual dispenser .....	22
<b>Row installation .....</b>	<b>24</b>
Row installation under table .....	24
Row installation wall .....	28
<b>Installation integral 4PLUS FLOWMETER .....</b>	<b>32</b>
<b>Hose and cable installation individual dispenser.....</b>	<b>34</b>
Hose/cable installation .....	34
Side part mounting .....	36
Dispenser mounting .....	37
Connecting L-part .....	39
Connecting cable .....	41
<b>Hose and cable installation row installation .....</b>	<b>43</b>
Hose/cable installation .....	43-44
Side part mounting .....	45
Dispenser mounting .....	46
Connecting L-parts .....	48
Connecting cable .....	51
<b>Installation cleaner connection .....</b>	<b>52</b>
Installation tank inlet .....	52
<b>Installation rinse-aid connection .....</b>	<b>54</b>
Installation check valve .....	54
<b>Power connection .....</b>	<b>55</b>
<b>App: activation dispenser .....</b>	<b>56</b>
<b>Wearing parts .....</b>	<b>56</b>
<b>Operation .....</b>	<b>57</b>
Cartridge exchange .....	57
<b>Pictograms .....</b>	<b>58</b>



**Stiahnite si App. HAGLEITNER**  
**Download the HAGLEITNER App.**



**Technické údaje / Technical specifications:**

Hmotnosť / Weight:

Stena/wall 3,7 kg,

Spodná časť/floor 3,37 kg

Rozmery / Dimensions:

Stena/wall 34,5, Spodná časť/floor

27,5 (V) x 17,8 (Š) x 22,2 cm (H)

min. 1 l/min., max. 20 l/min

Prívod vody / Water flow rate:

3/4 ventil/inch

Prívod vody / Water connection:

max. 8 bar @ 20° C

Tlak / Pressure:

max. 5 bar @ 40° C

Teplota vody / Water temperature:

5–60° C

Teplota okolia / Ambient temperature:

5–30° C

Napájacie napätie / Supply voltage:

24 V-DC / 1,5 A max.

Sieťové napätie / System voltage:

230 V (EU); 110 V (USA)

Radová montáž / Row installation:

max. 3 dávkovače / devices

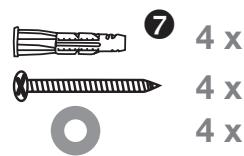
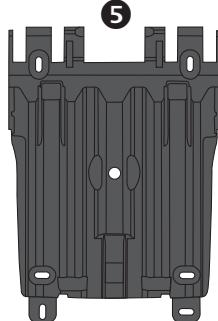
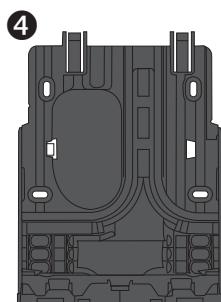
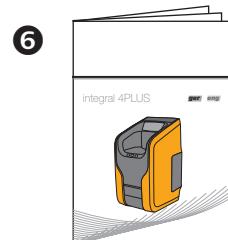
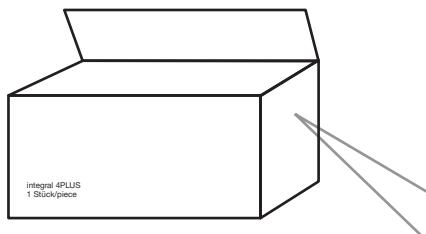
Druh ochrany / Protection class:

IP21

### Dávkovač Integral 4PLUS / integral 4PLUS dispenser

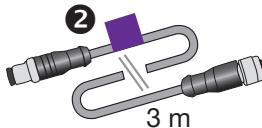
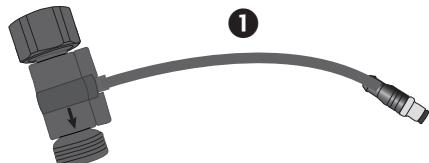
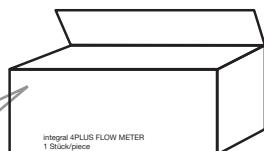
- ① integral 4PLUS - Dávkovač
- ② bočný diel ľavý
- ③ bočný diel pravý
- ④ Inštalácia hornej dosky
- ⑤ Inštalácia spodnej dosky
- ⑥ Návod na použitie
- ⑦ Montážny set
- ⑧ Spájacia podložka

- ① *integral 4PLUS - Dispenser*
- ② *side part left*
- ③ *side part right*
- ④ *mounting plate top*
- ⑤ *mounting plate bottom*
- ⑥ *operating instructions*
- ⑦ *mounting kit*
- ⑧ *connecting plate*

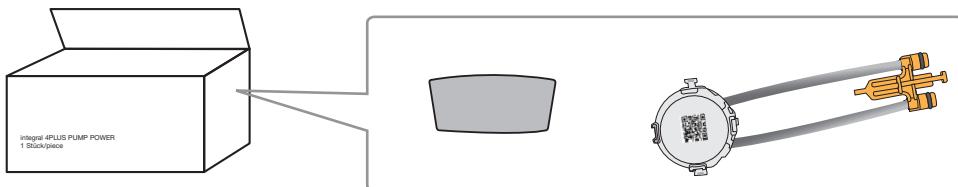


## Integral 4PLUS FLOW METER / integral 4 PLUS FLOW METER

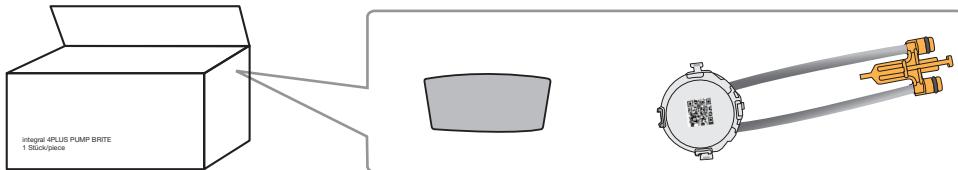
- ❶ Vodomer
  - ❷ zbernicový kábel 3 m
  - ❸ Tesnenie
- ❶ flow meter
  - ❷ bus cable 3 m
  - ❸ seal



## integral 4PLUS PUMP POWER / integral 4PLUS PUMP POWER

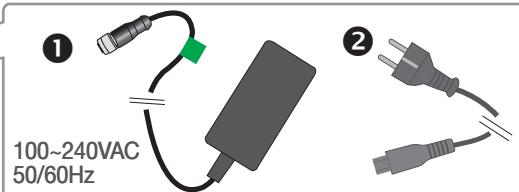
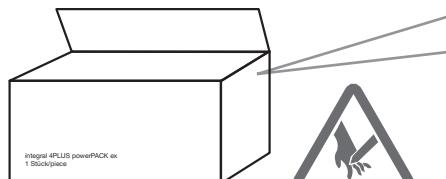


## integral 4PLUS PUMP BRITE / integral 4PLUS PUMP BRITE



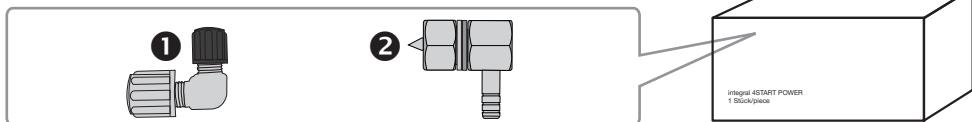
## integral 4PLUS powerPACK ex / integral 4PLUS powerPACK ex

- ❶ Napájací zdroj s pripojovacím káblom 2 m
  - ❷ napájací kábel 1,8 m
- ❶ power supply unit with cable 2 m
  - ❷ plug 1,8 m



## integral 4START POWER / integral 4START POWER

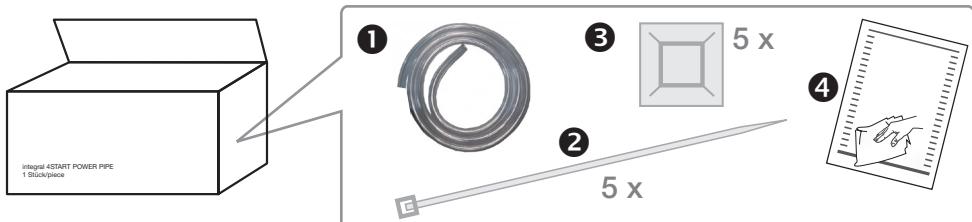
- ① L-kus
- ② Vstupný zásobník
- ① L-part
- ② tank inlet



## integral 4START POWER PIPE / integral 4START POWER PIPE

- ① Čistiaca hadica 6 m - Ø 8 mm
- ② Stáhovacie pásky
- ③ Lepiacie držiaky
- ④ čistiacia handrička

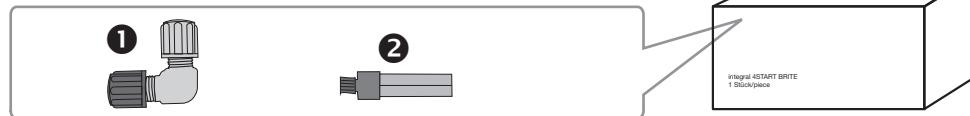
- ① hose for detergent 6 m Ø 8 mm
- ② cable ties
- ③ adhesive mounts
- ④ cleaning cloth



## integral 4START BRITE / integral 4START BRITE

- ① L-kus
- ② spätný ventil

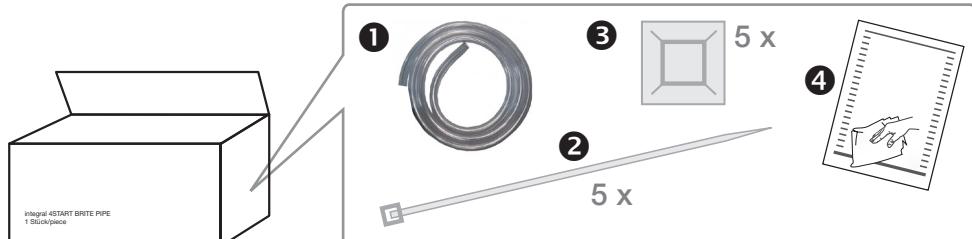
- ① L-part
- ② check valve



## integral 4START BRITE PIPE / integral 4START BRITE PIPE

- ① Preplachovacia hadica 6 m - Ø 6 mm
- ② Stáhovacie pásky
- ③ Lepiacie držiaky
- ④ čistiacia handrička

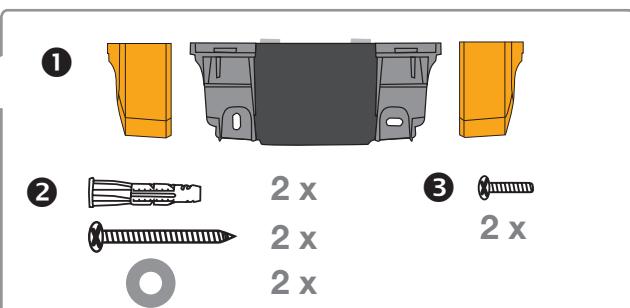
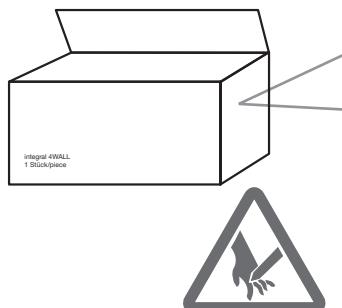
- ① hose for rinse-aid 6m - Ø 6 mm
- ② cable ties
- ③ adhesive mounts
- ④ cleaning cloth



## Možnosť: integral 4WALL / Option: integral 4WALL

- ① 3-dielna montážna sada na stenu
- ② 2 skrutky, 2 hmoždinky  
2 podložky
- ③ skrutka krátká

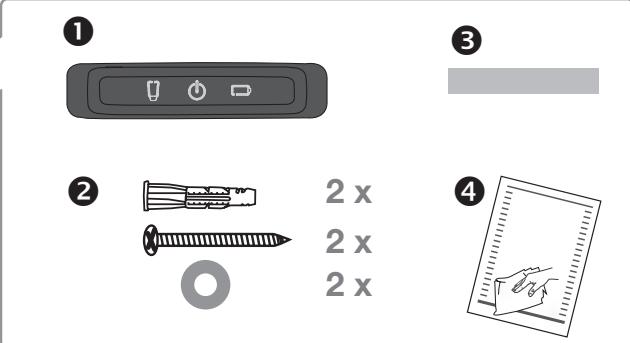
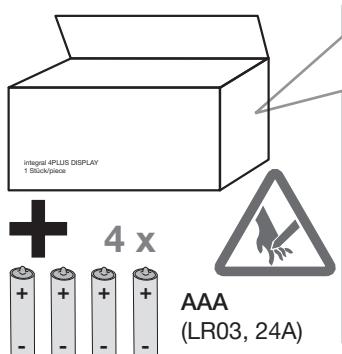
- ① 3 parts module for wall
- ② 2 screw, 2 dowel, 2 washer
- ③ screw short



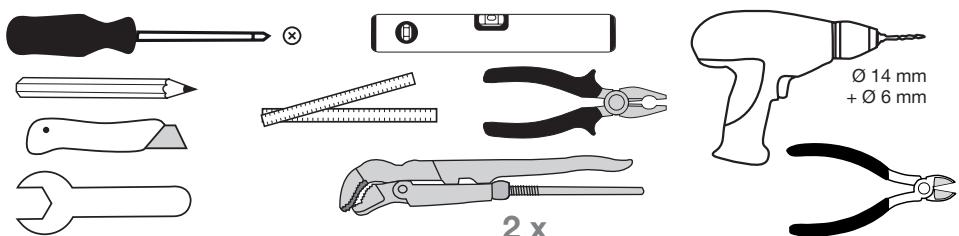
## Možnosť: integral 4PLUS DISPLAY / Option: integral 4PLUS DISPLAY

- ① integral 4PLUS DISPLAY
- ② 2 skrutky, 2 hmoždinky  
2 podložky
- ③ lepiace pásky
- ④ čistiaci ubrúšok

- ① integral 4PLUS DISPLAY
- ② 2 screw, 2 dowel, 2 washer
- ③ adhesive strip
- ④ cleaning cloth

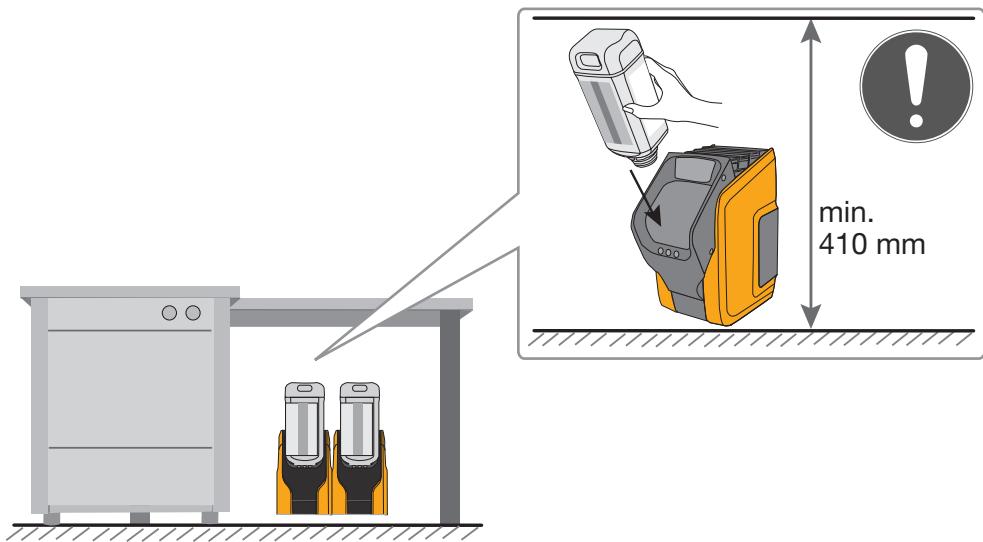


## Zoznam náradia / tool list

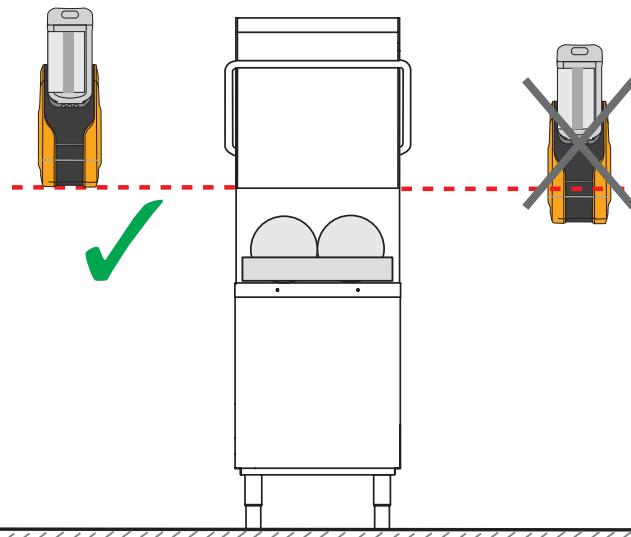


## Možnosti inštalácie / mounting options

### Inštalácia pod stôl / undertable mounting



### Inštalácia na stenu / wall mounting



DIN VDE 100  
Zone 3

DIN VDE 100  
Zone 2



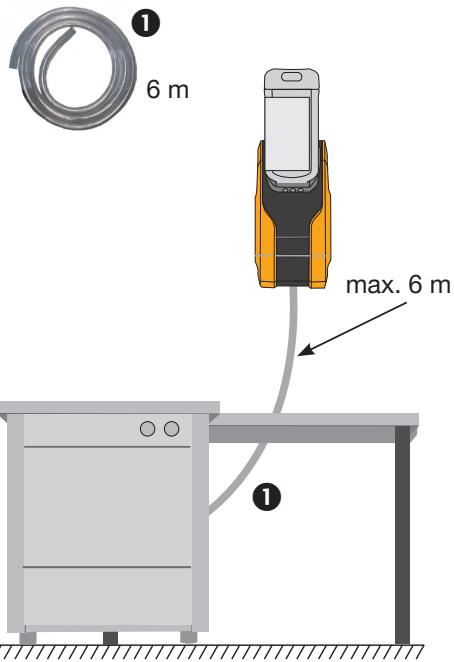
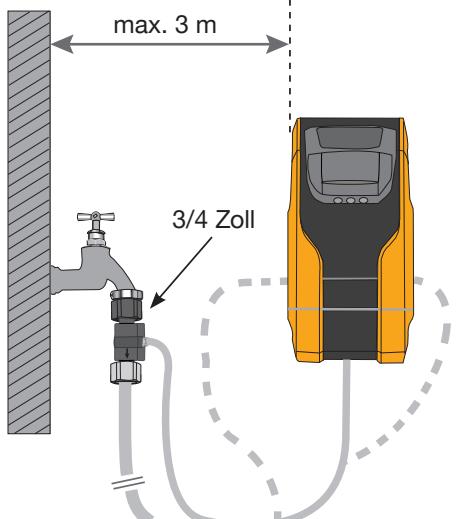
230V



24V



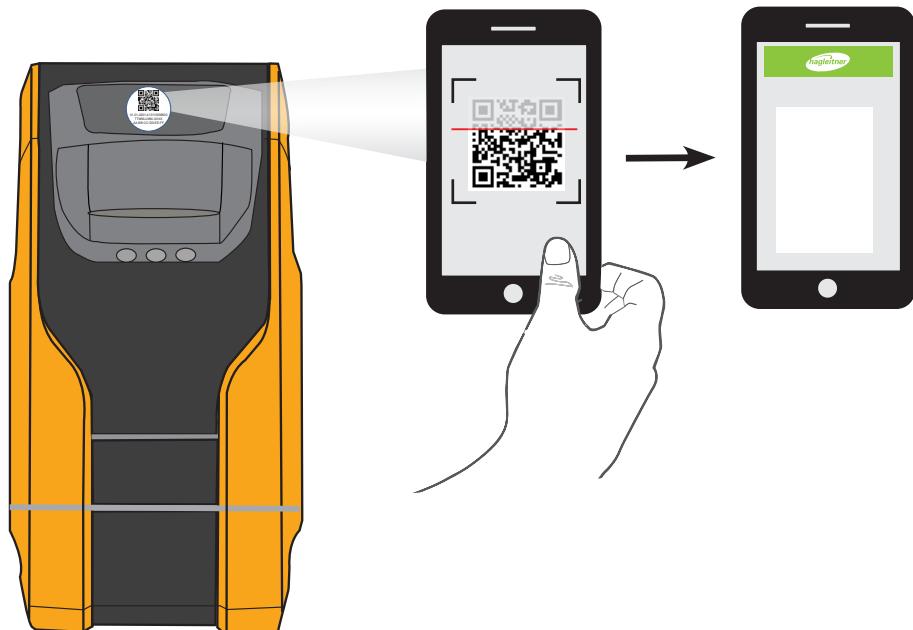
max. 3 m



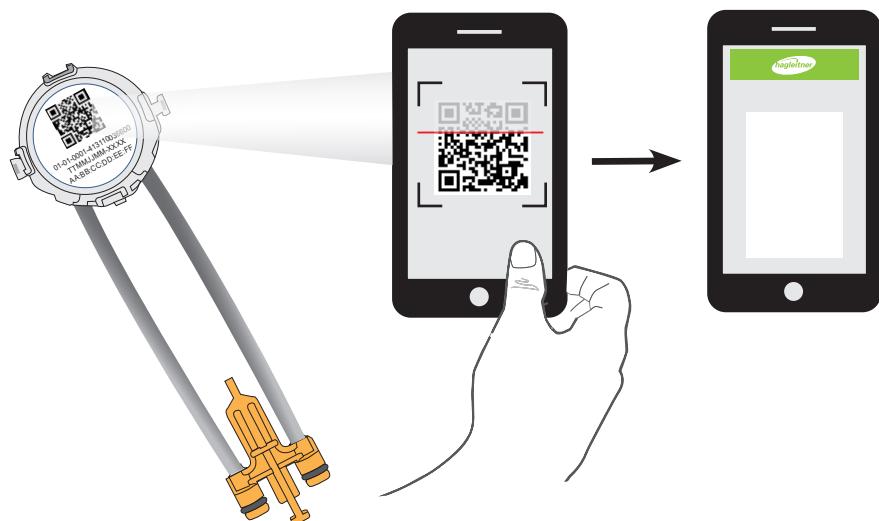
## Vloženie pumpy / insert pump

### Vloženie pumpy / insert pump

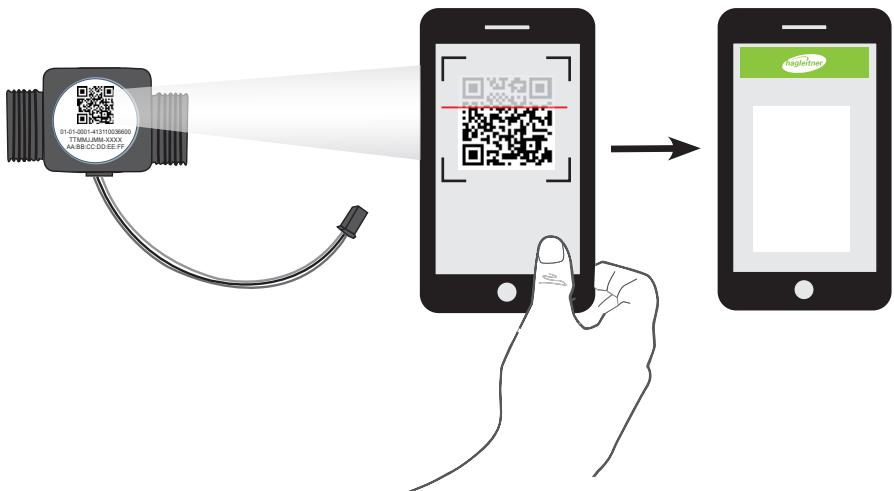
1. Skenovanie dávkovača / scan dispenser



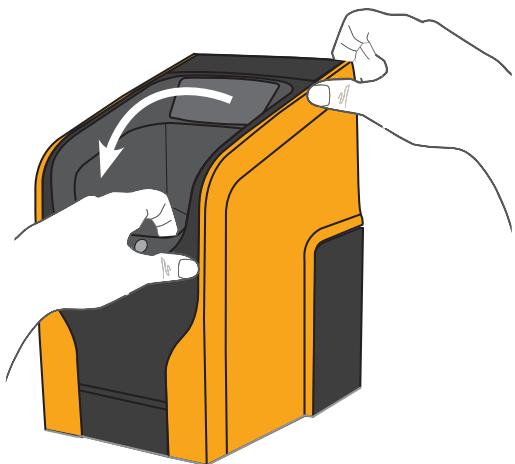
2. skenovanie pumpy / scan pump



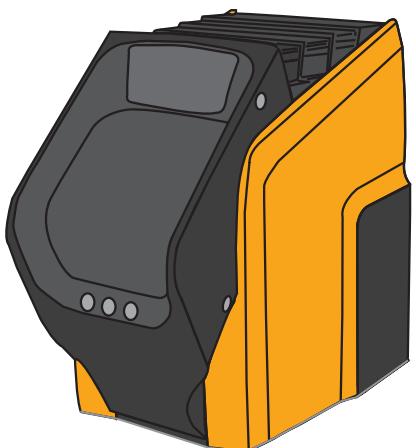
### 3. Skenovanie prietoku vody / scan flow meter



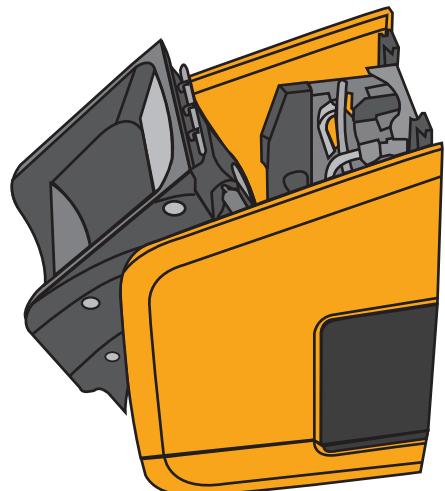
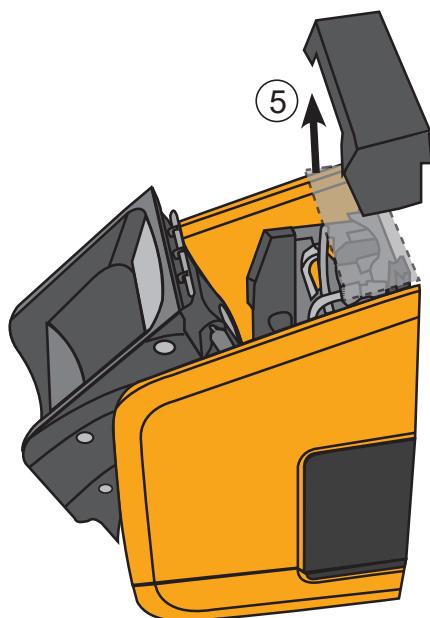
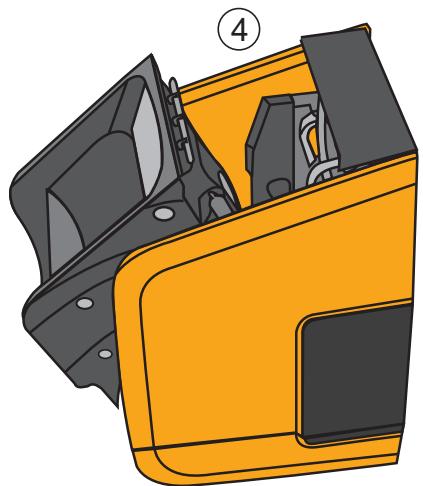
### 4.

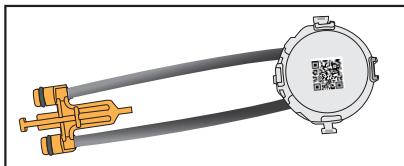


### 5.

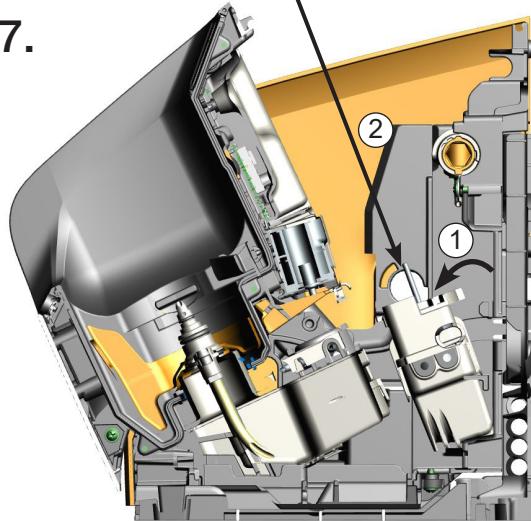


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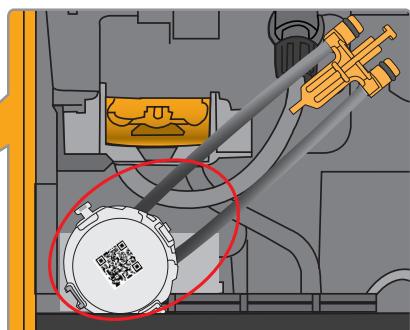
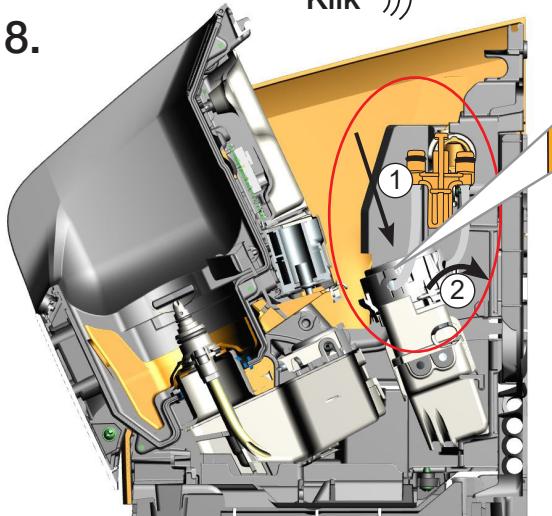




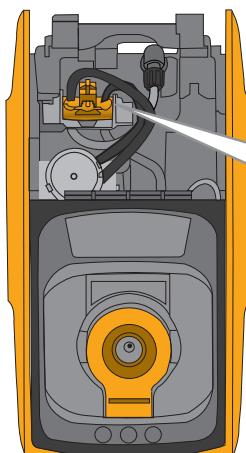
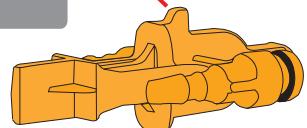
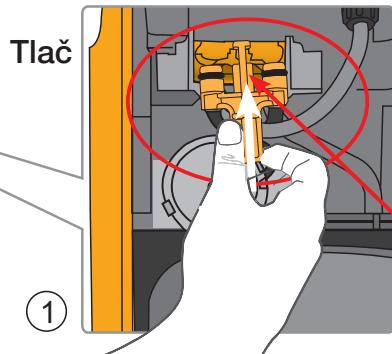
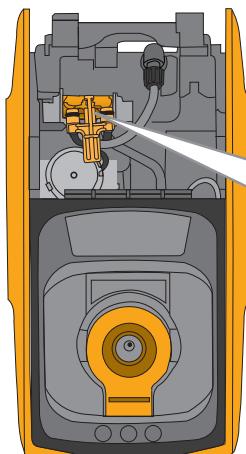
7.



8.

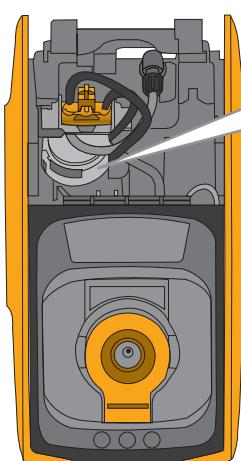
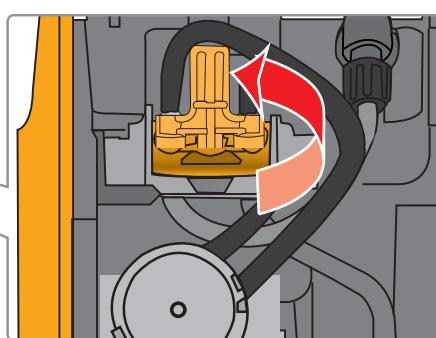


9.

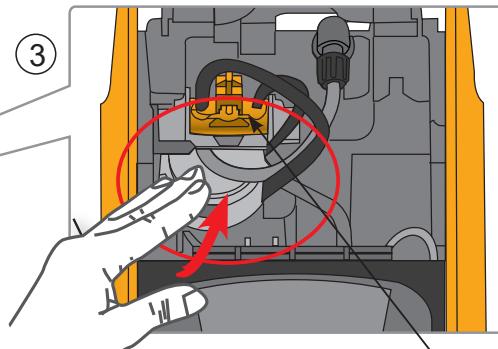


Zdvihnutie

②



③

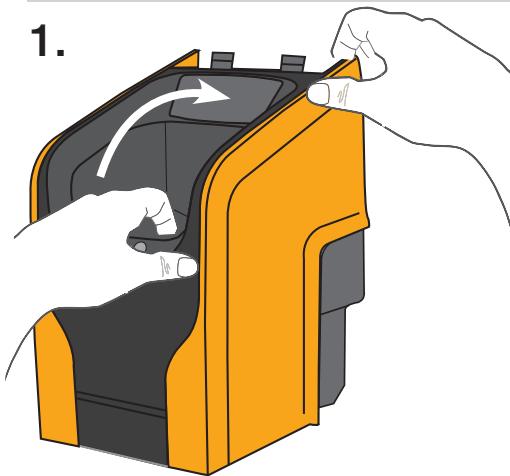


**Ubezpečte sa že chemická spojka je správne zapojená a osadená pevne!**

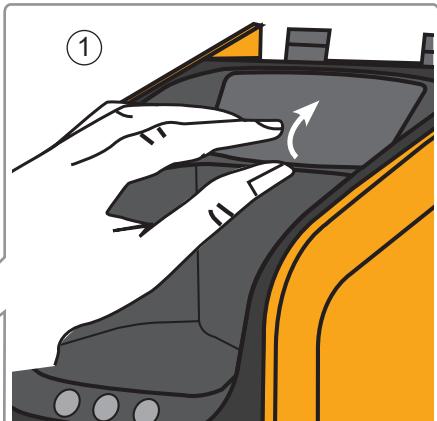
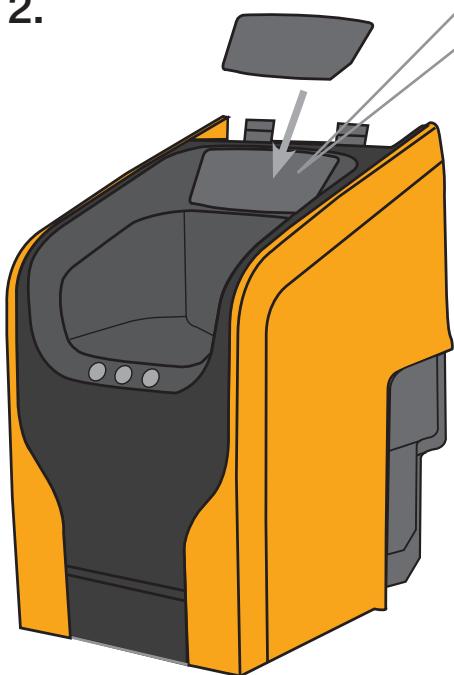
*Make sure that the chemistry coupling is correctly locked and fixed.*

## Nalepenie nálepky / insert label

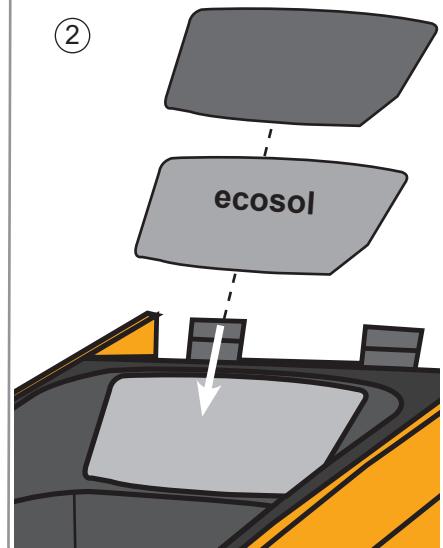
1.



2.



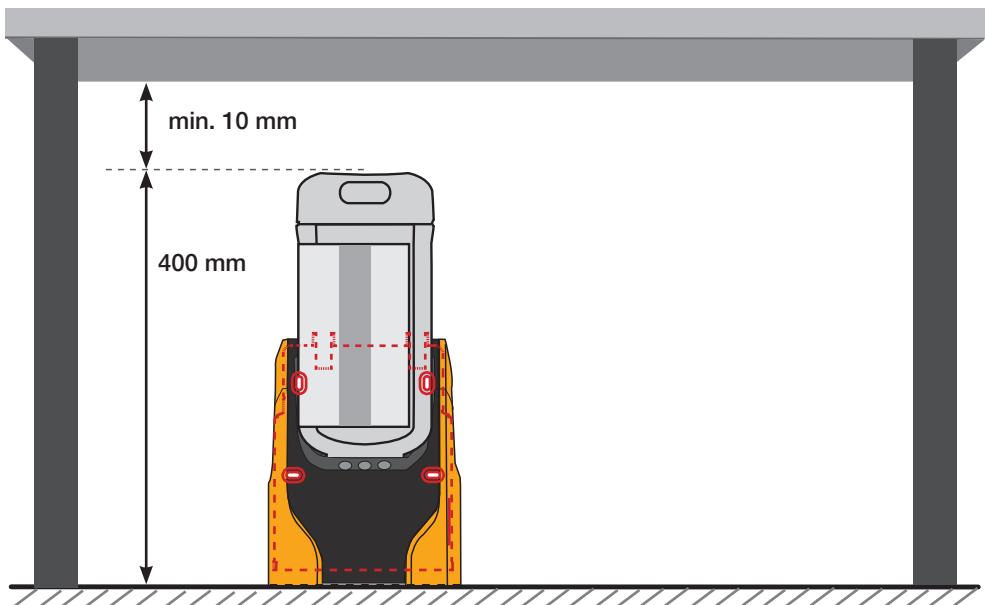
②



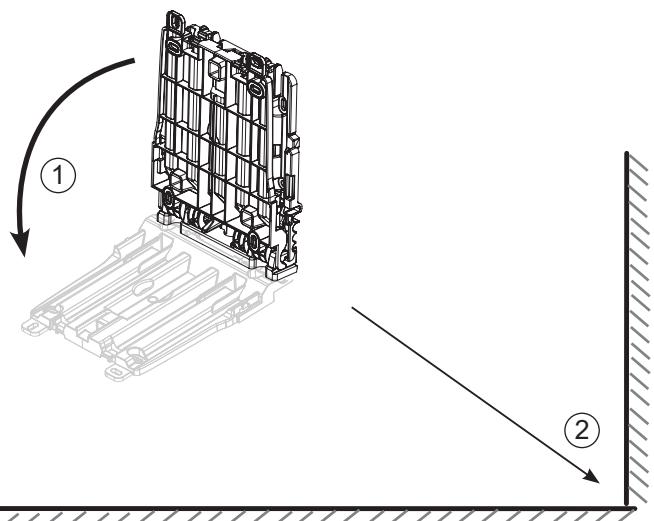
3. Postupujte podľa aplikácie / follow the APP

Inštalácia samostatného dávkovača pod stôl / under table installation individual dispenser

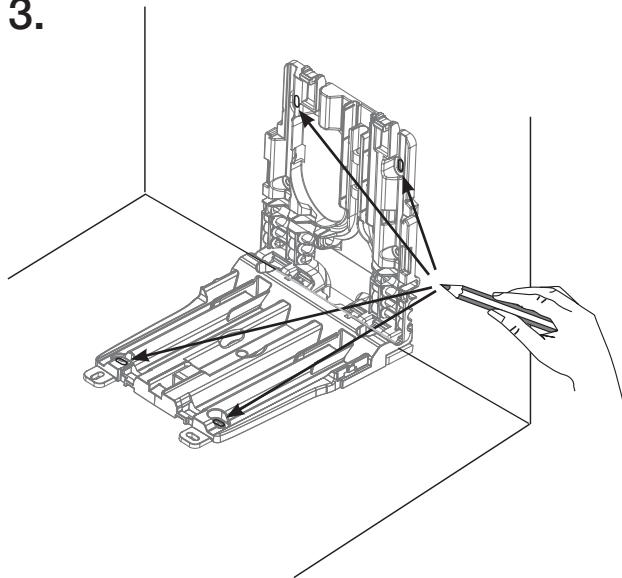
1.



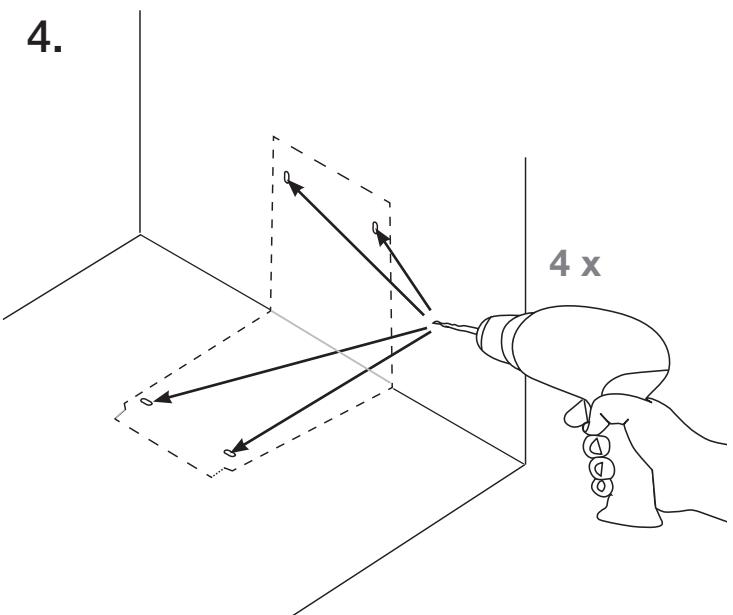
2.



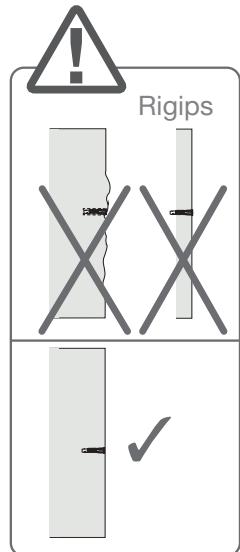
**3.**



**4.**



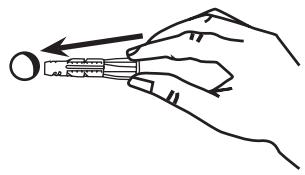
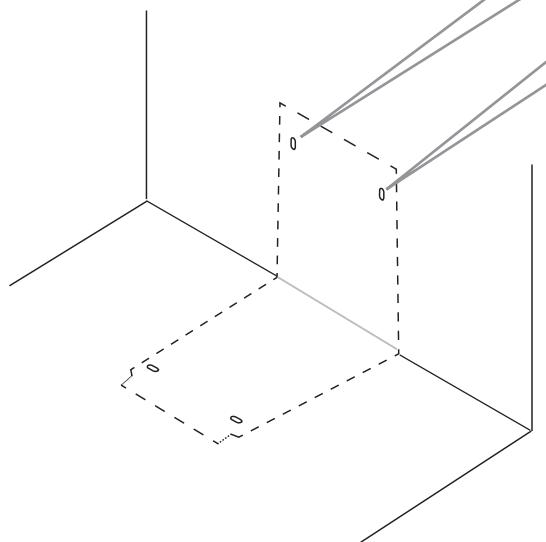
**4 x**



**5.**



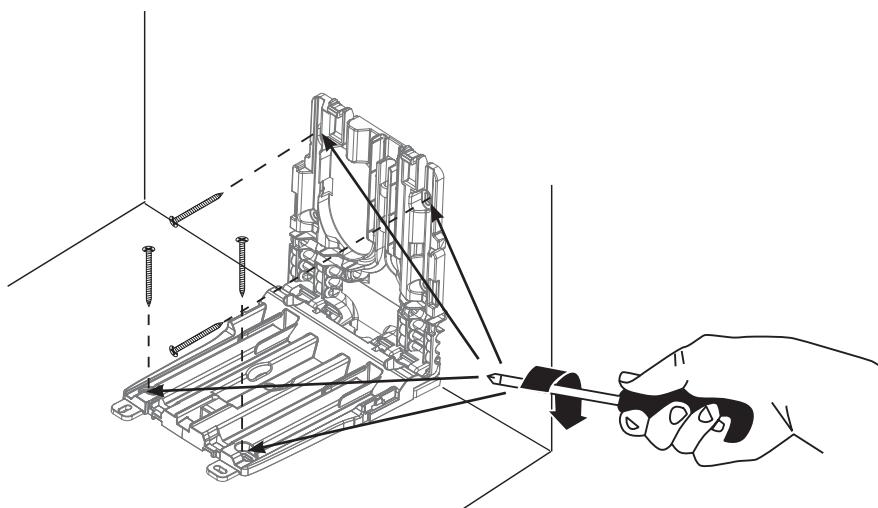
4 x



**6.**



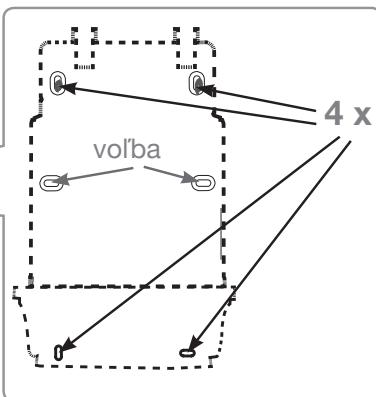
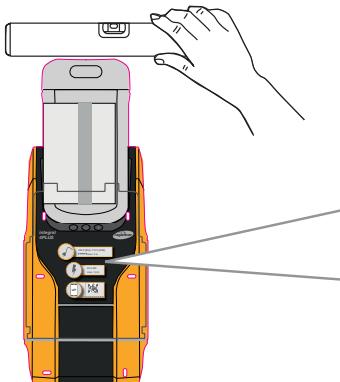
4 x



## Inštalácia samostatného dávkovača na stenu / wall installation individual dispenser

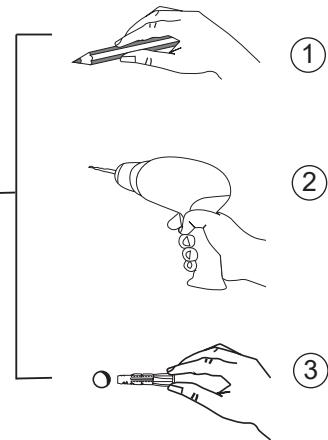
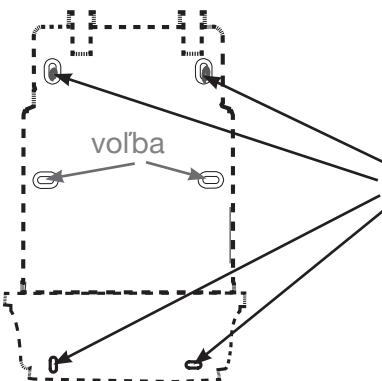
1.

nálepka /  
template

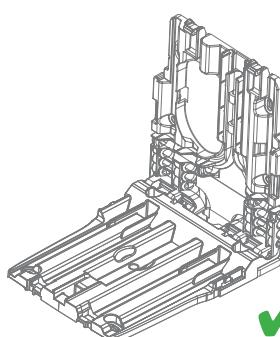
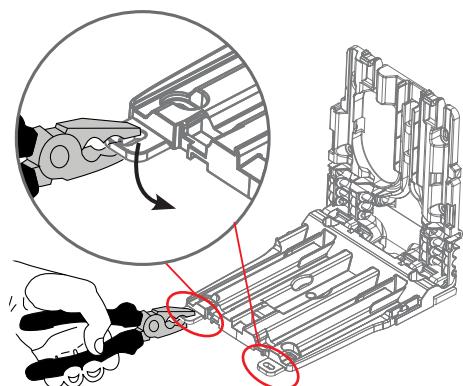


2.

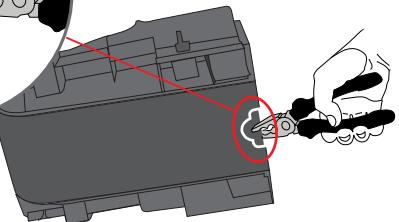
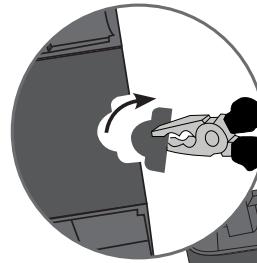
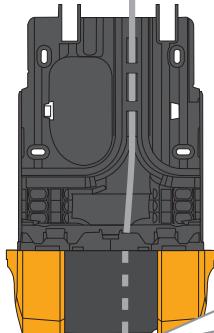
4 x



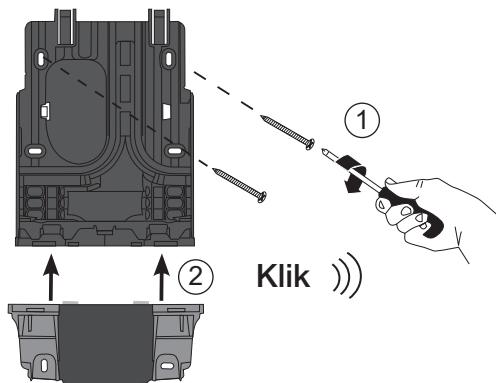
3.



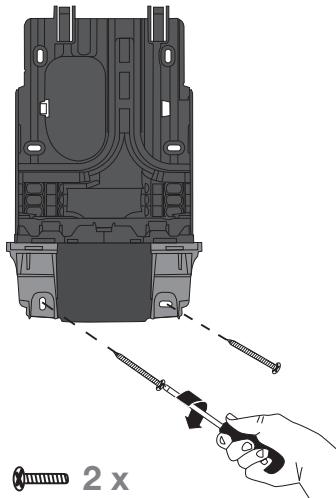
vol'ba



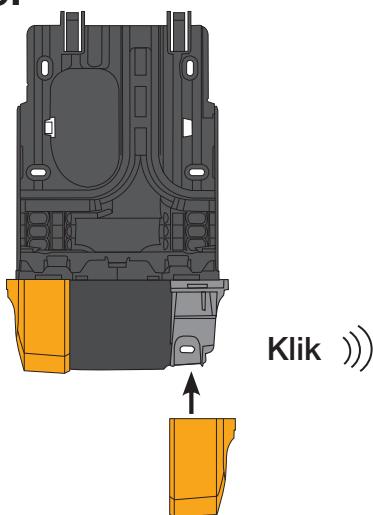
4. 2 x



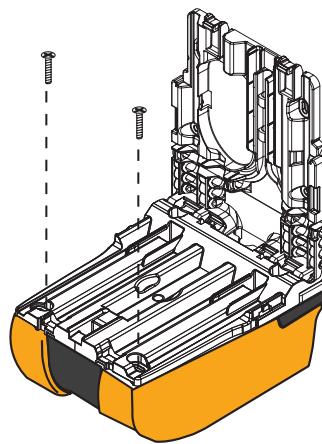
5. 2 x



6.

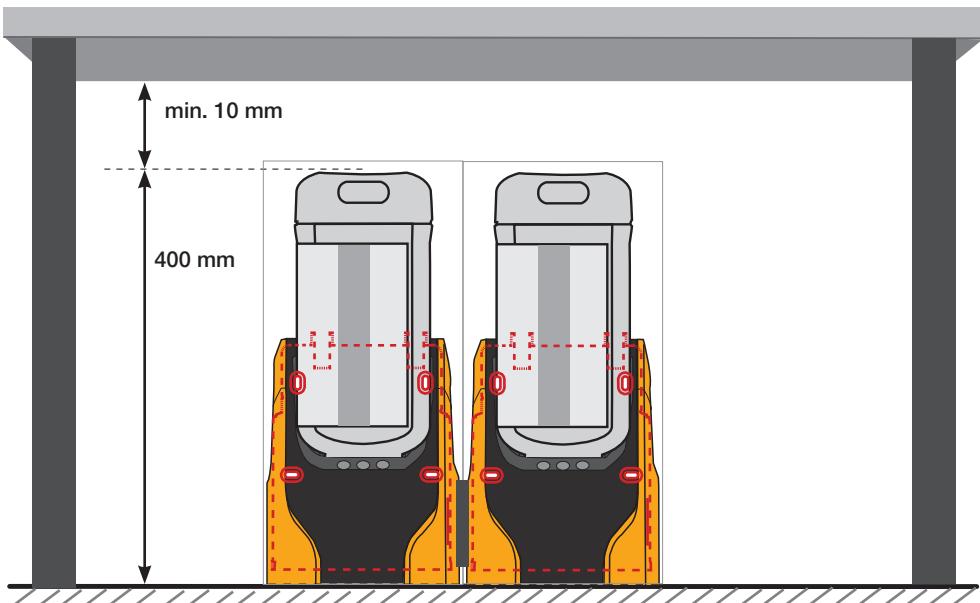


7. 2 x

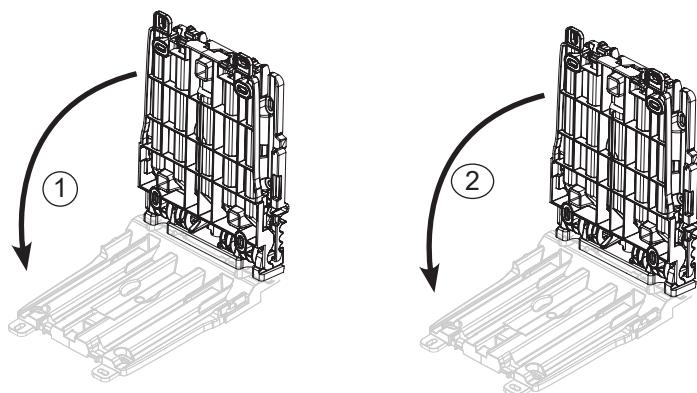


**Radová Inštalácia pod stôl / row installation under table**

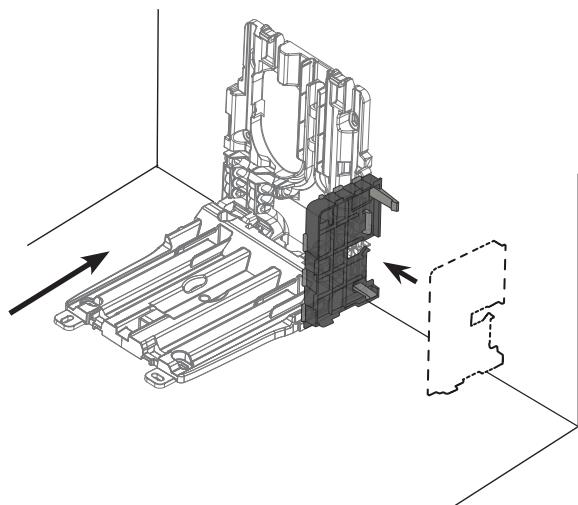
**1.**



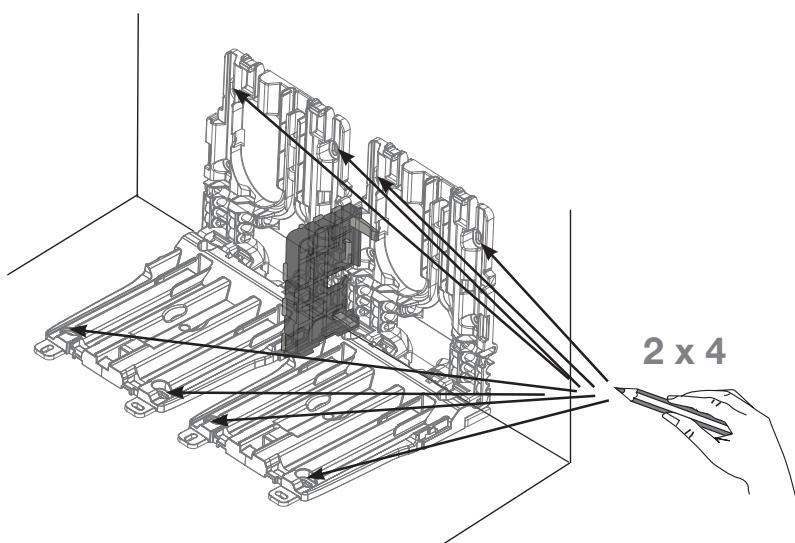
**2.**



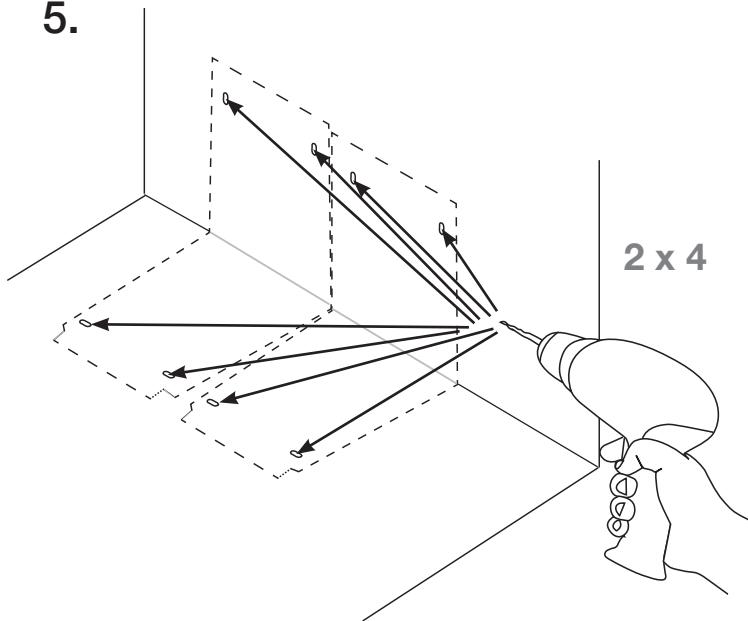
**3.**



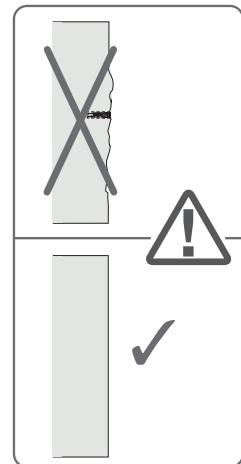
**4.**



**5.**



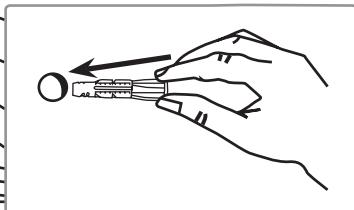
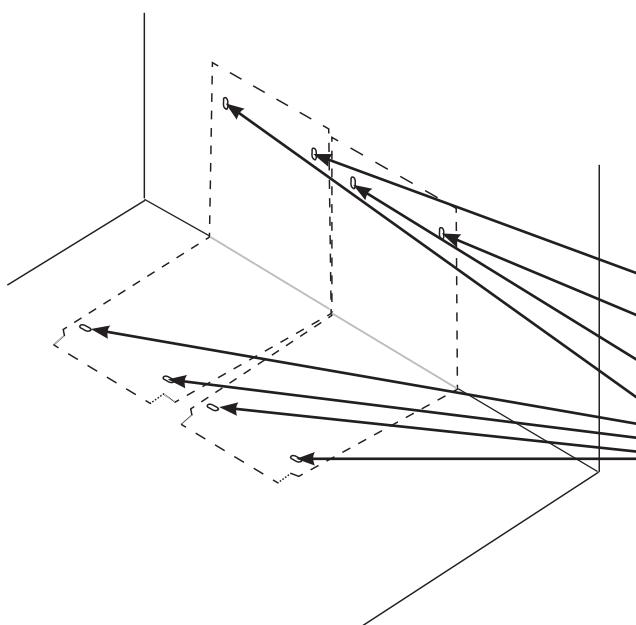
**2 x 4**

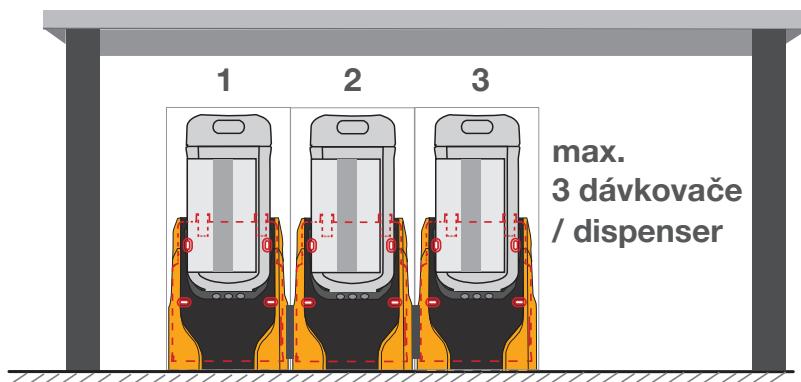
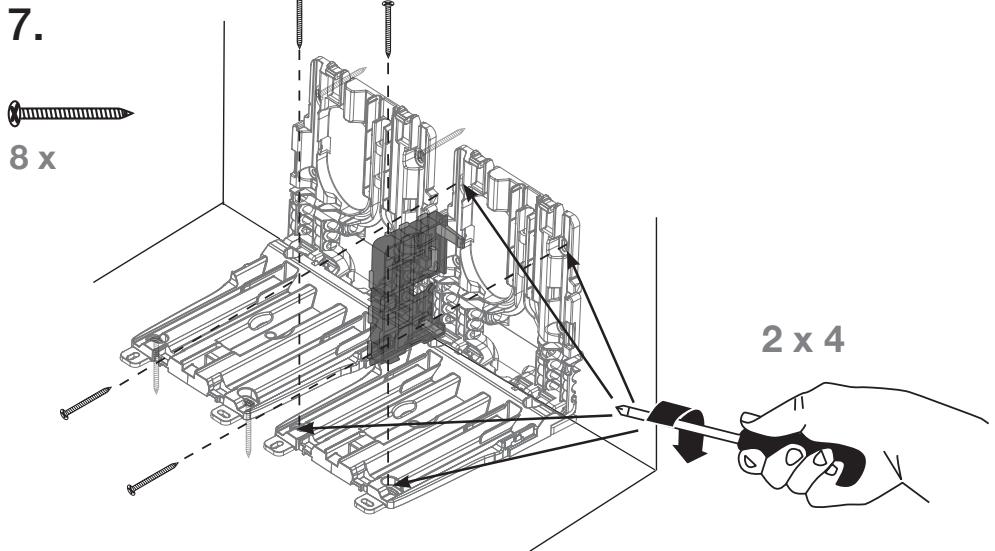


**6.**



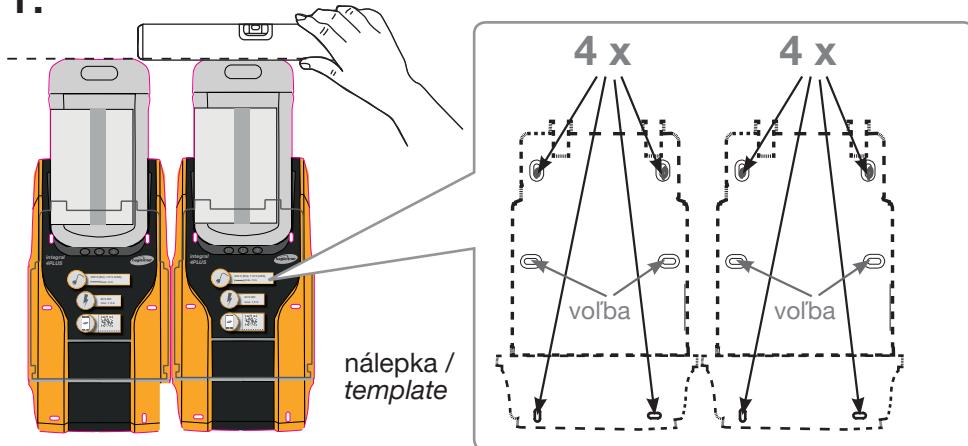
**8 x**



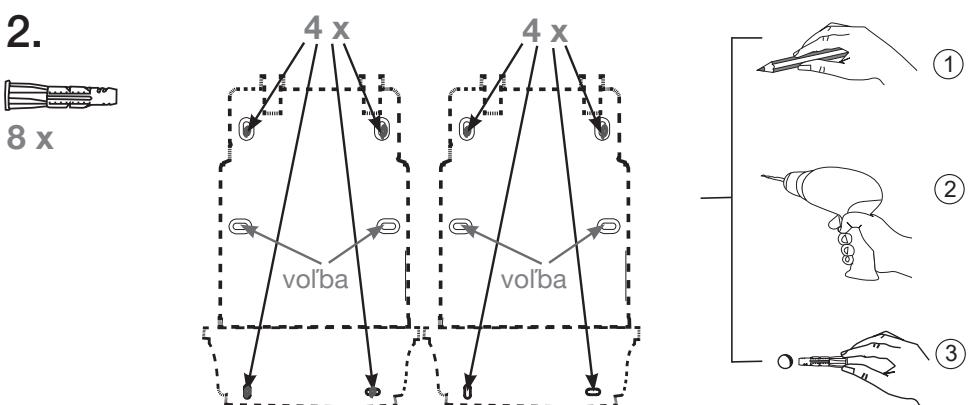


## Radová Inštalácia na stenu / row installation wall

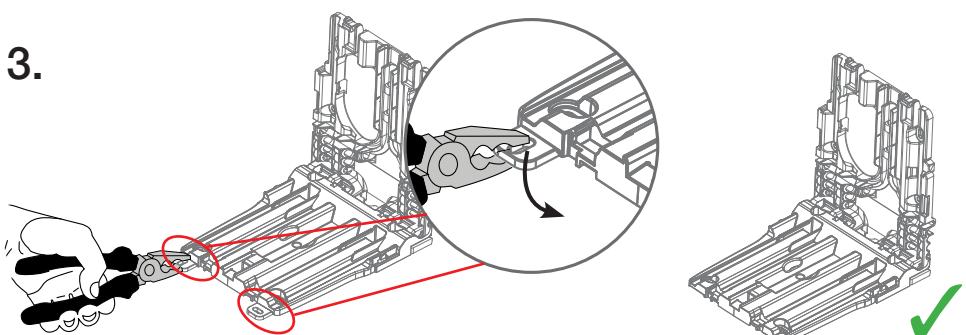
1.



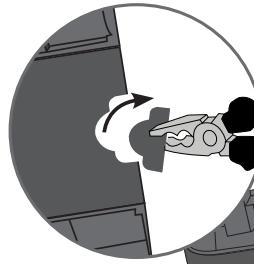
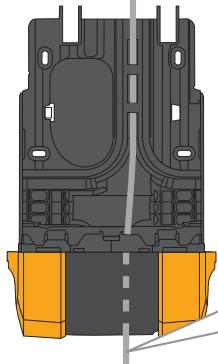
2.



3.



vol'ba

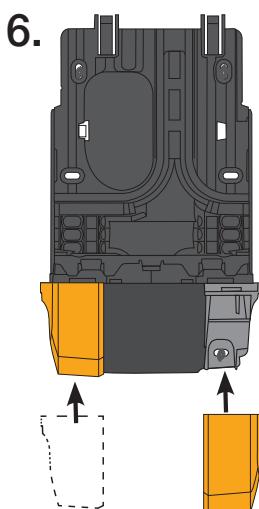
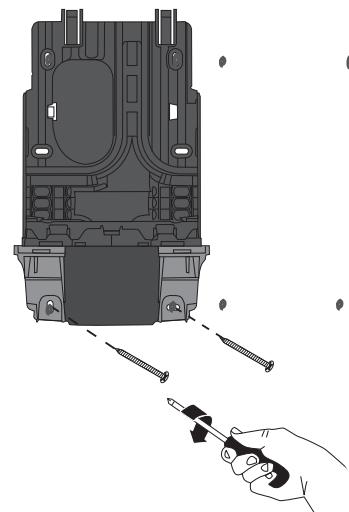
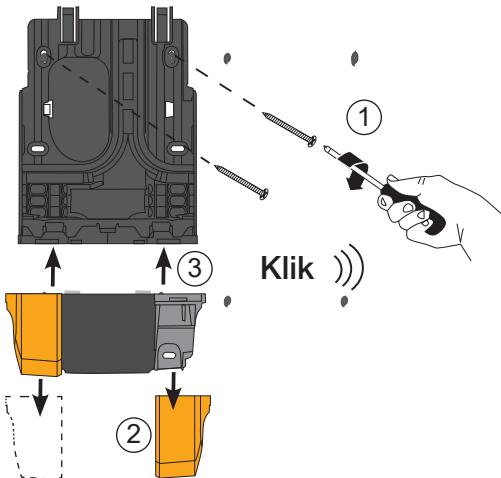


hadica / hose

4. 2 x 2 x

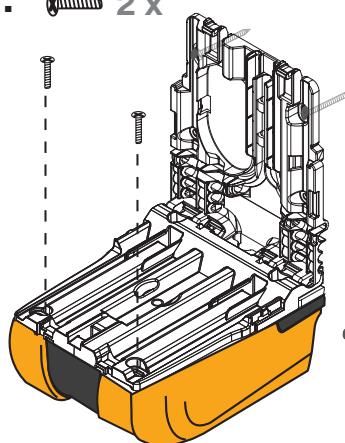
2 x

5. 2 x

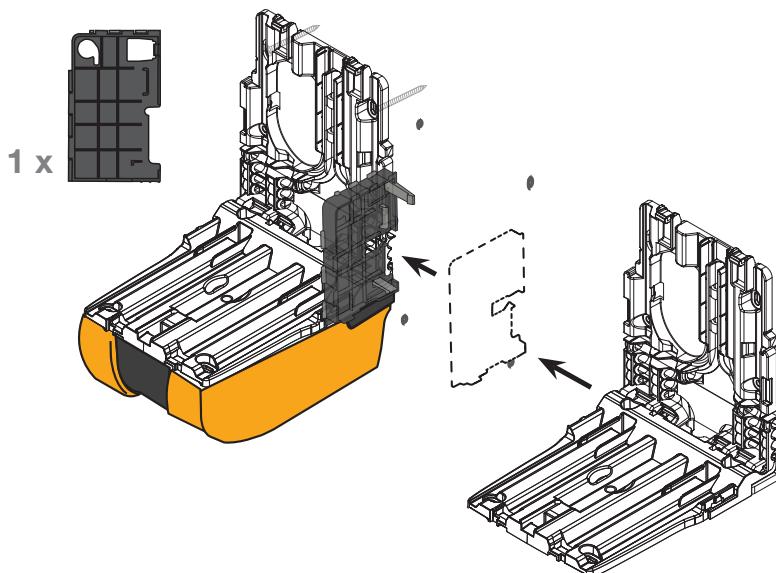


Klik ))

7. 2 x



8.



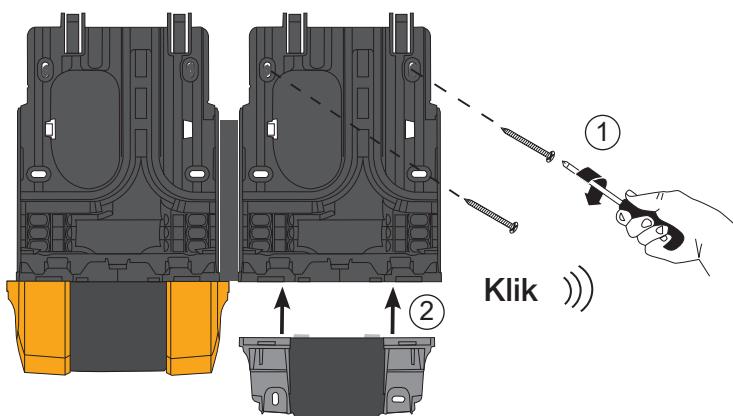
9.



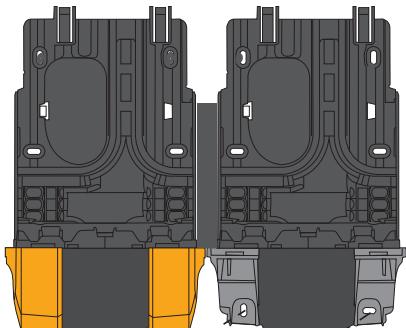
2 x



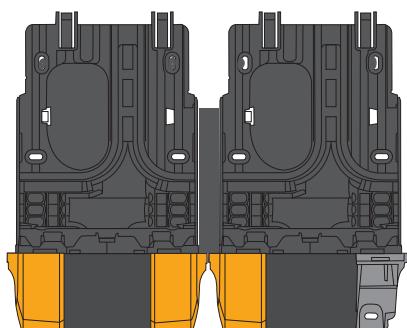
2 x



10.  2 x



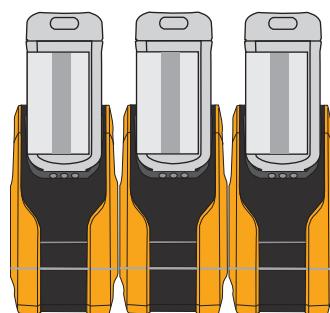
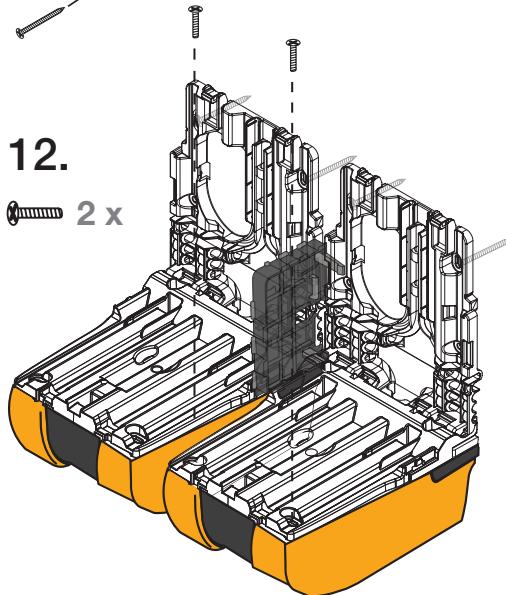
11.



Klik ))  
↑

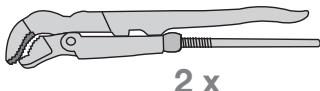
12.

 2 x



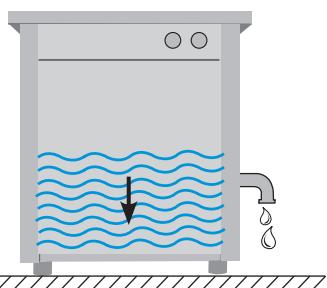
max.  
3 dávkovače /  
dispenser

## Inštalácia integral 4PLUS FLOWMETER / installation integral 4PLUS FLOWMETER

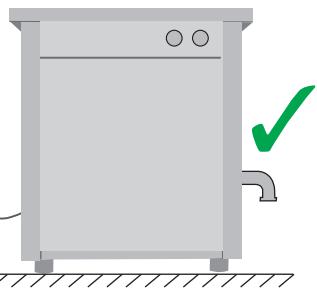


2 x

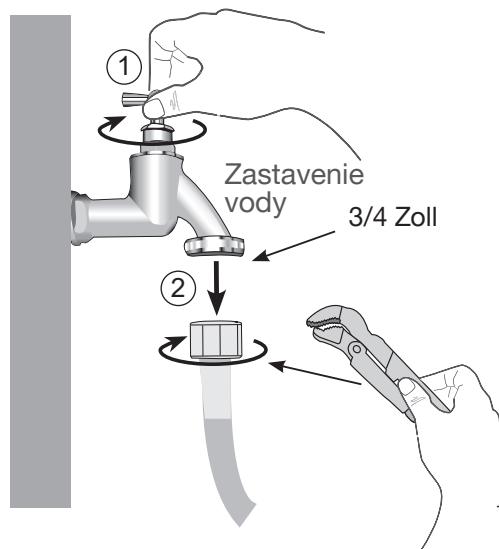
1.



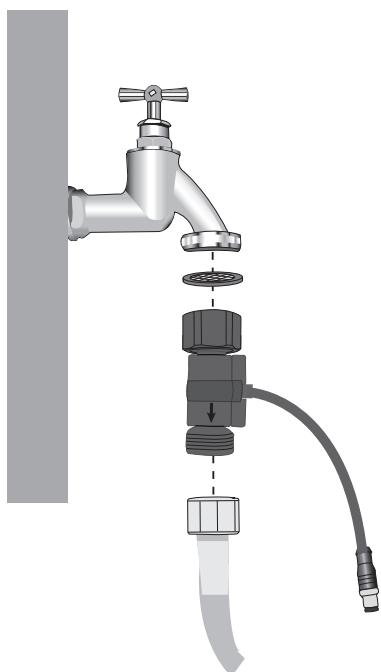
2.



3.

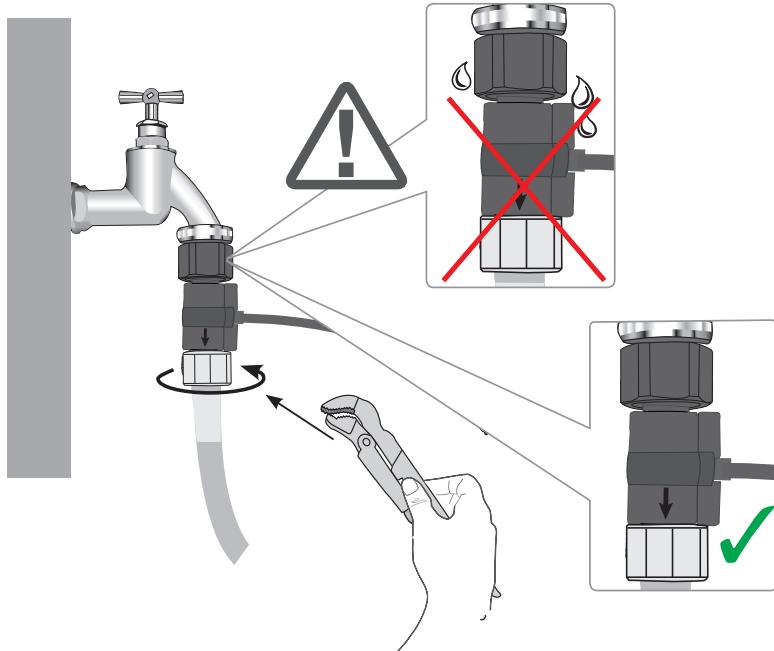


4.

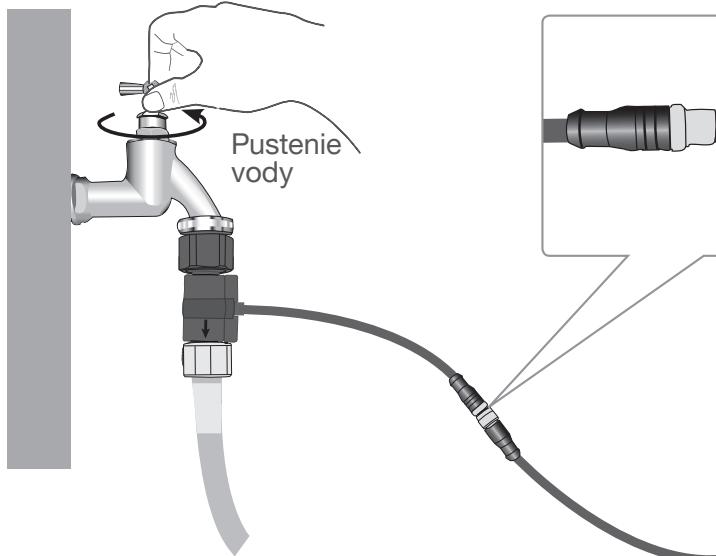
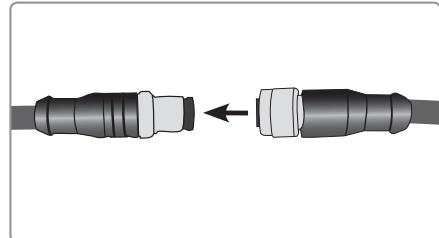
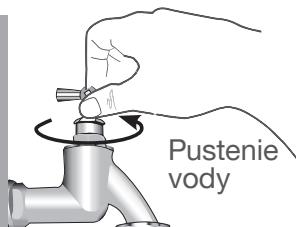
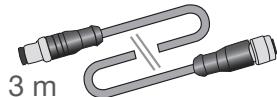


Prívod vody pre umývačku riadu /  
water supply dish washer

5.



6.



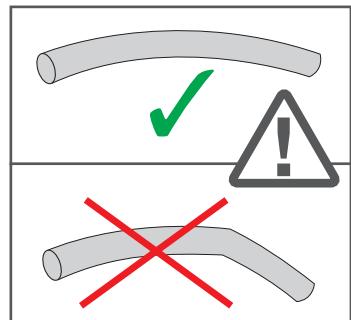
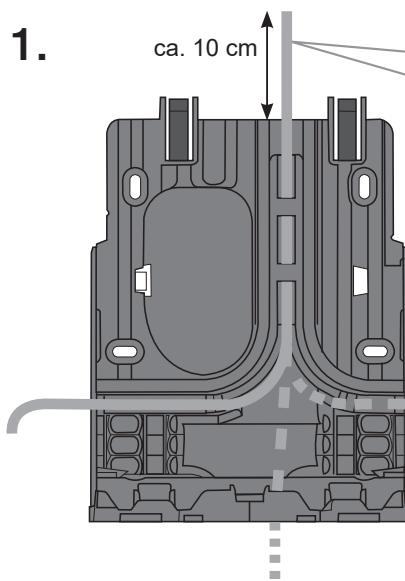
## Inštalácia hadíc a kálov samostatného dávkovača / hose and cable installation individual dispenser

### Uloženie hadíc / hose installation

1.

ca. 10 cm

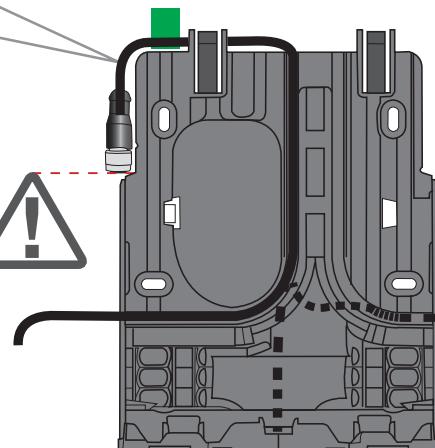
hadica / hose  
6 m

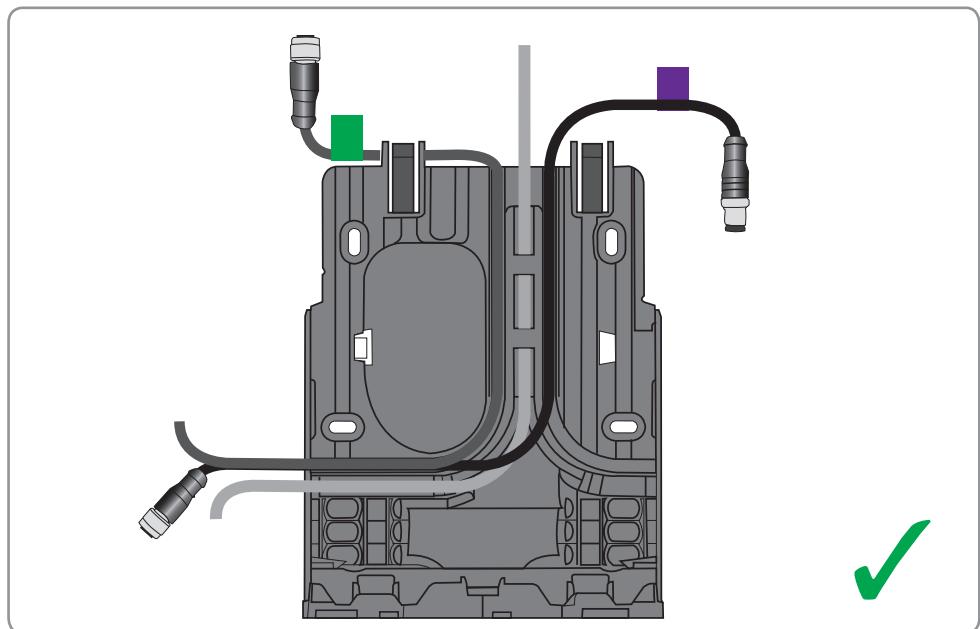
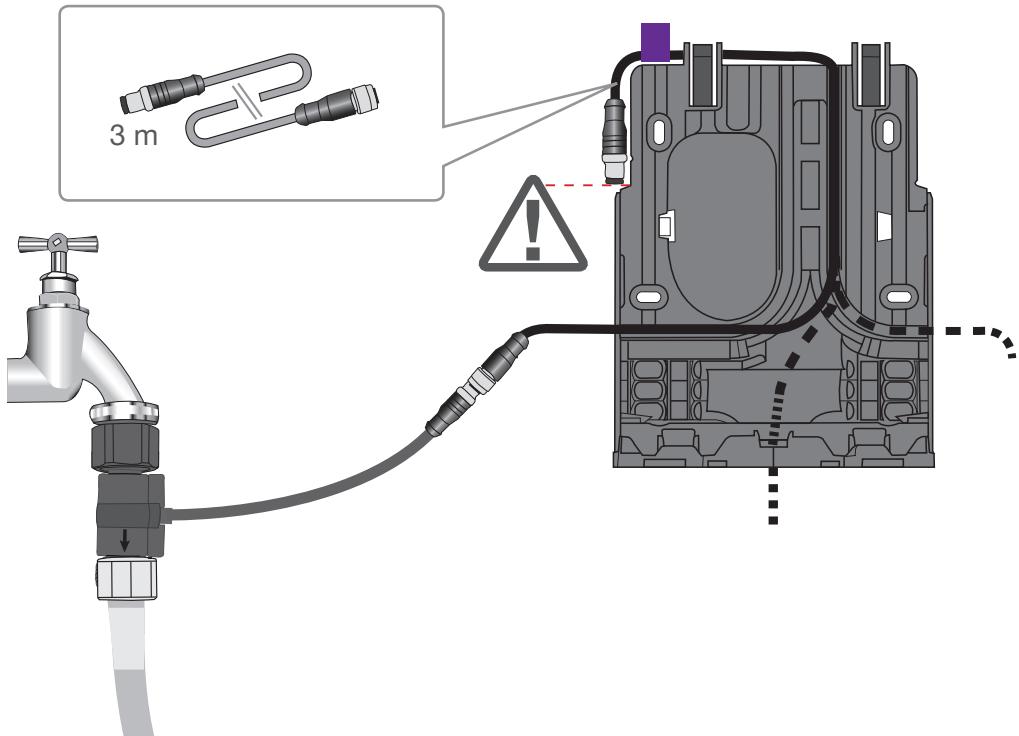


### Uloženie kálov / cable installation



IN: 100~240VAC  
50/60Hz  
OUT: 24VDC, max. 1,5A





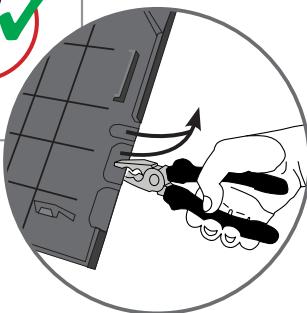
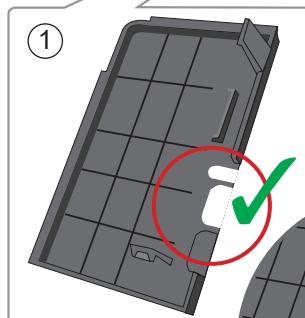
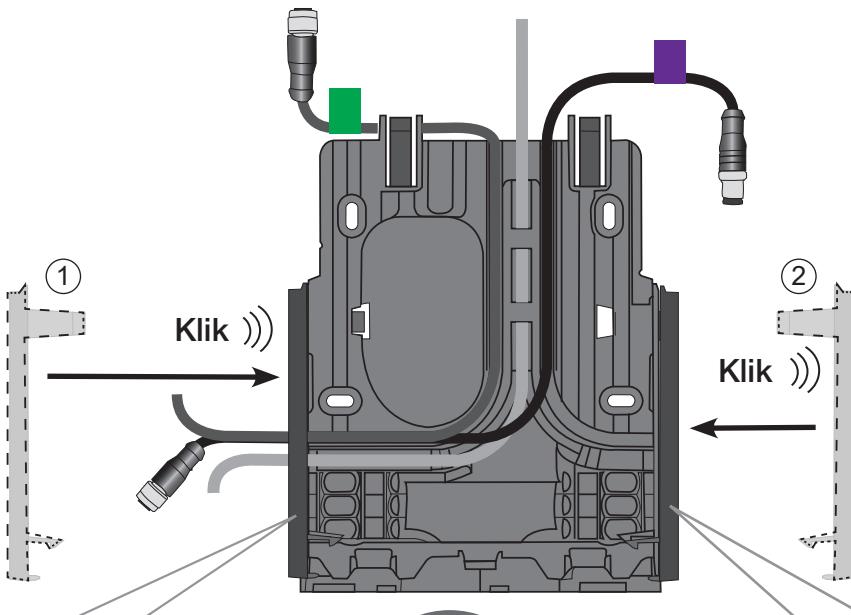
## Pripevnenie bočných panelov / side part mounting



ľavý  
left

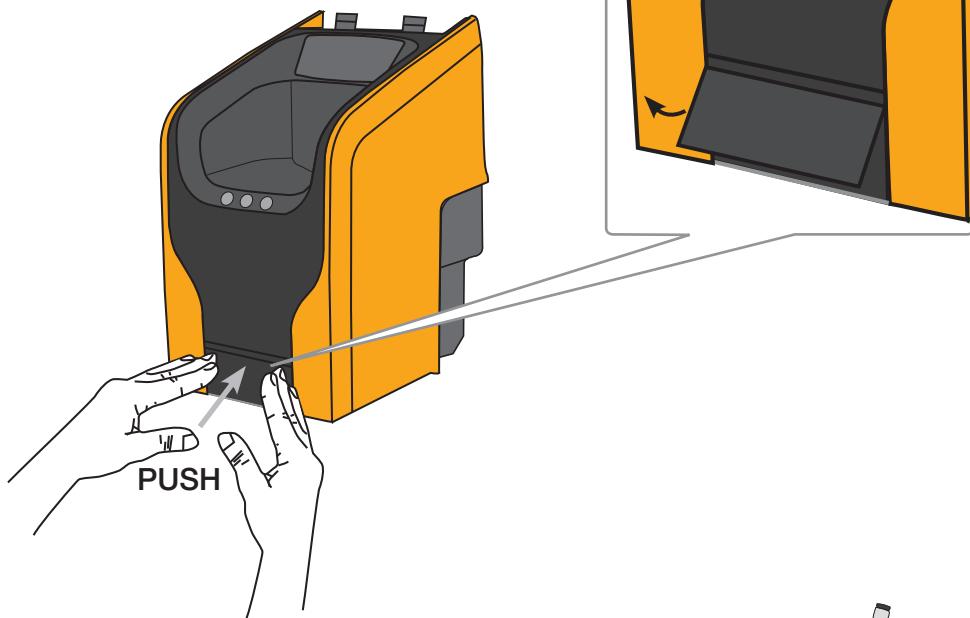


pravý  
right

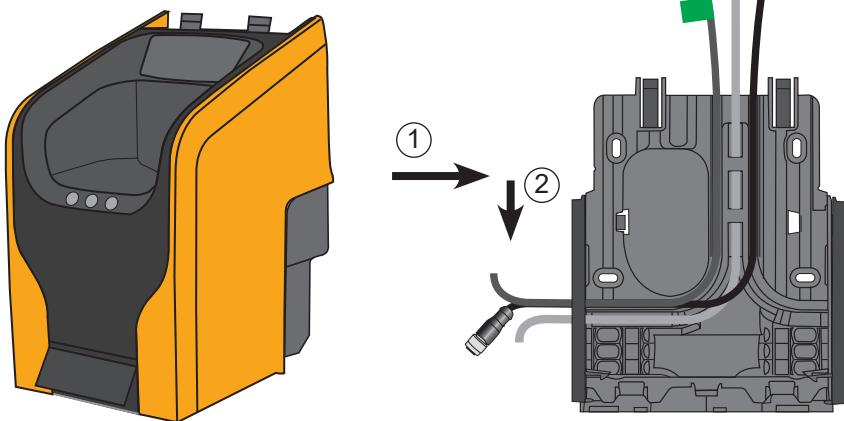


## Nastavenie dávkovača / dispenser mounting

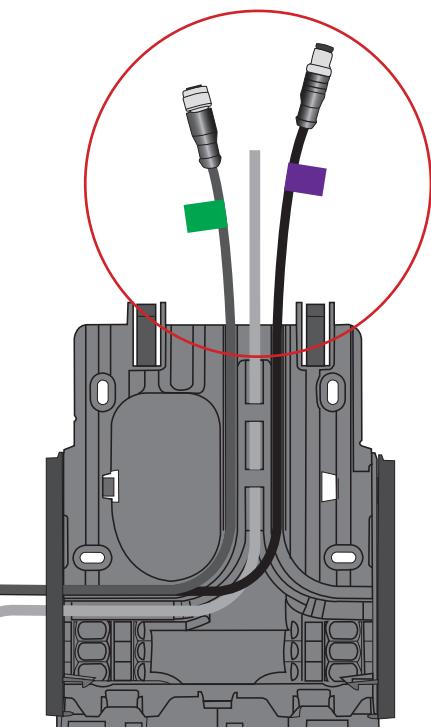
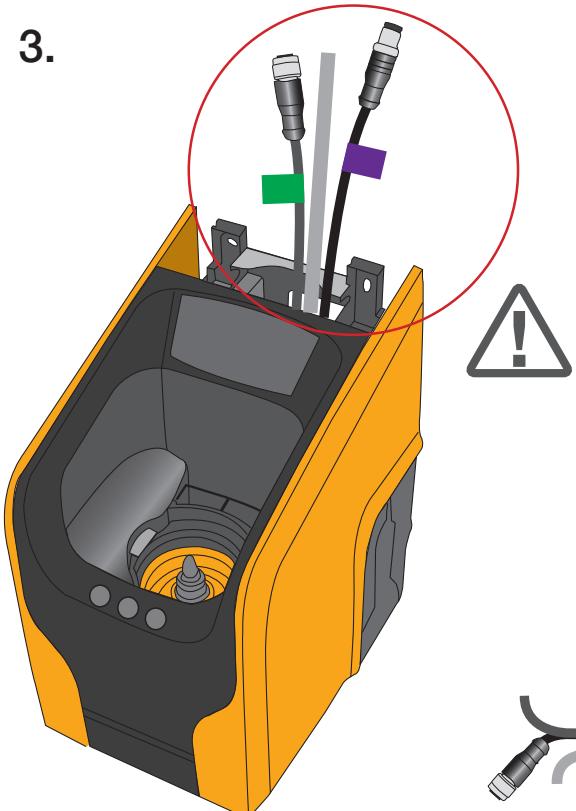
1.



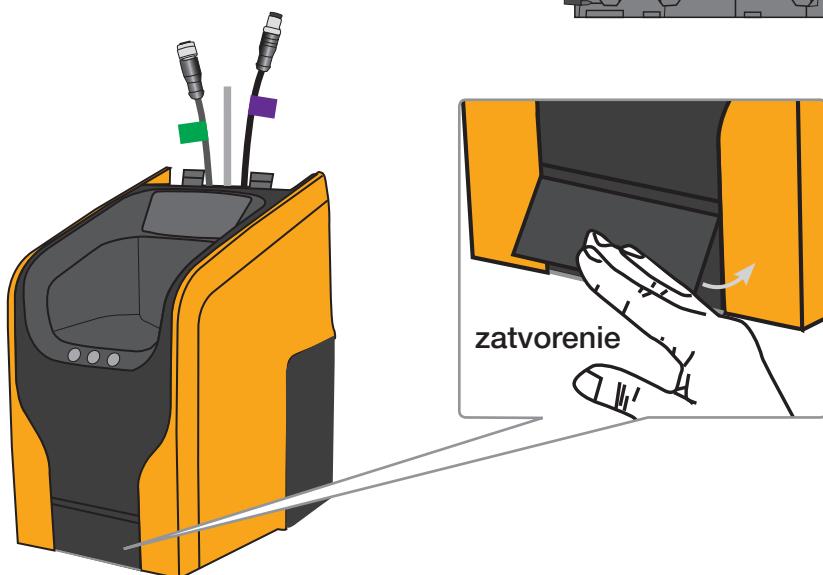
2.



3.

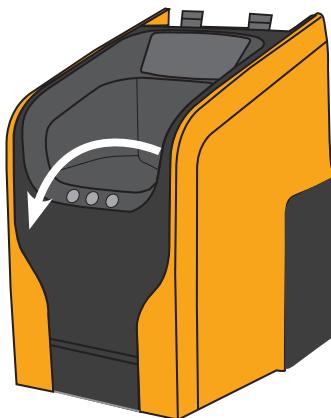


4.

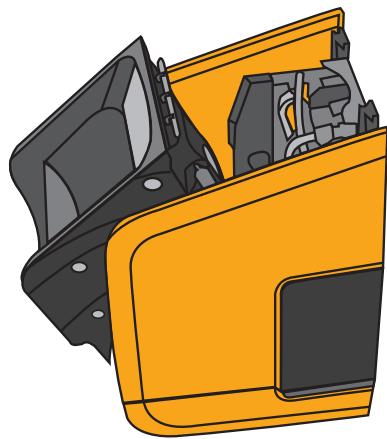


## Uchytenie L-časti / connecting L-part

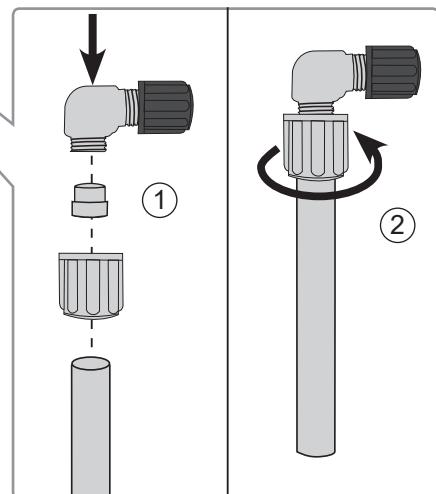
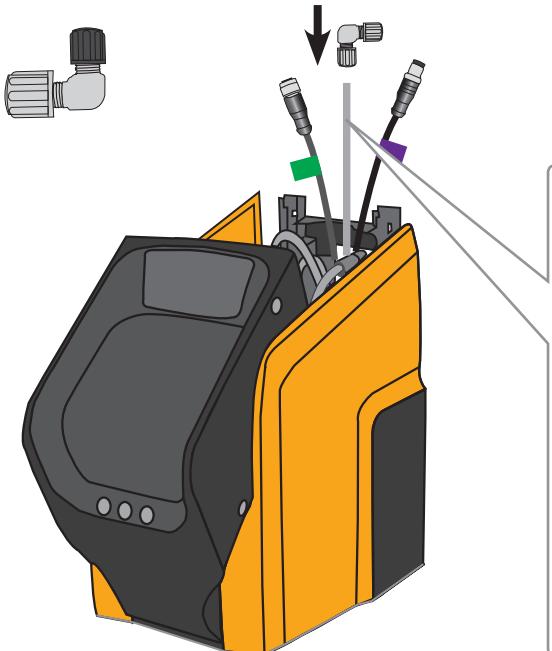
1.



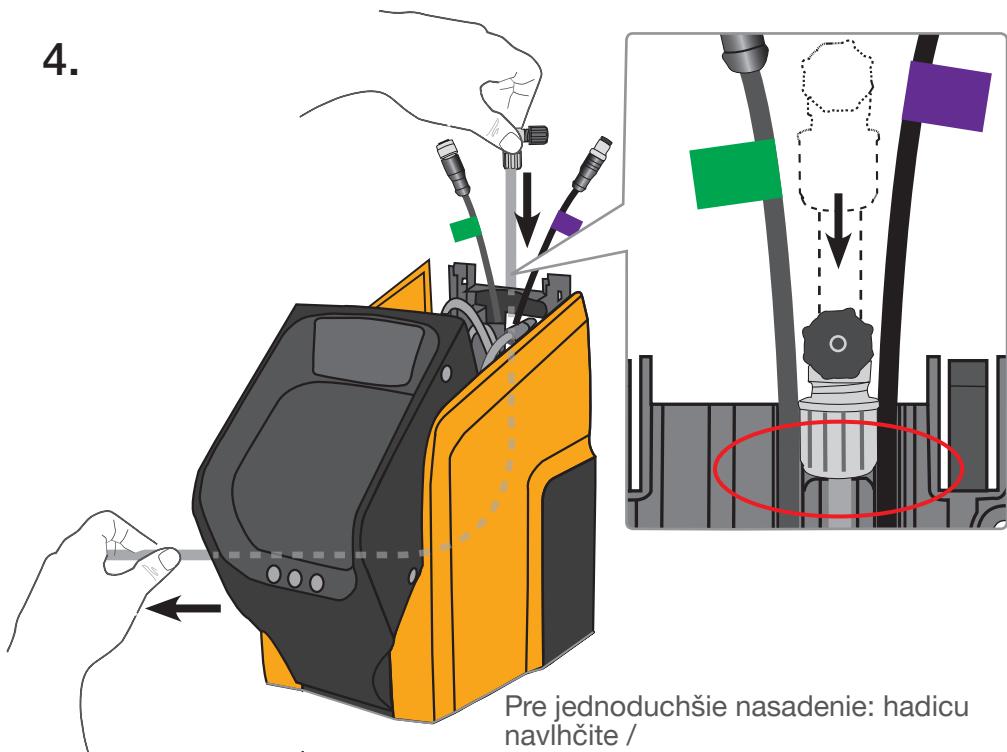
2.



3.

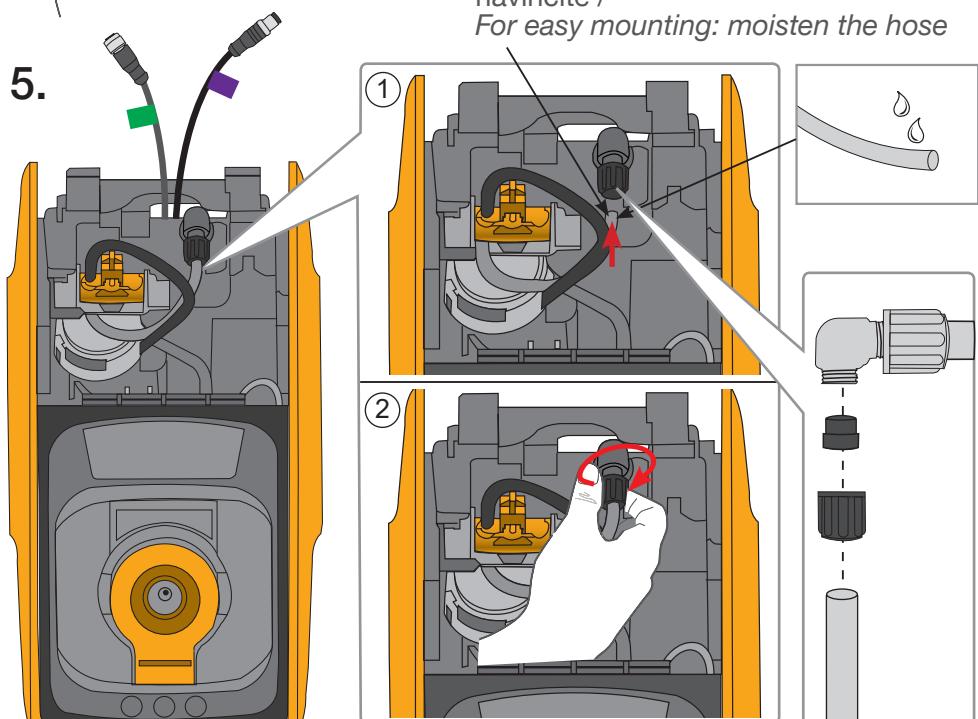


4.



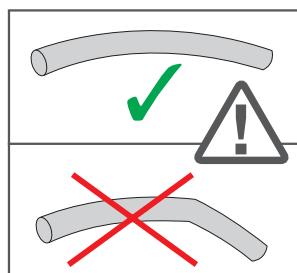
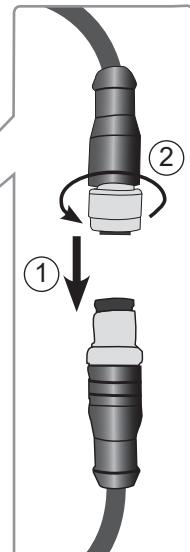
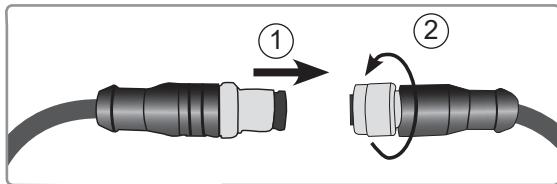
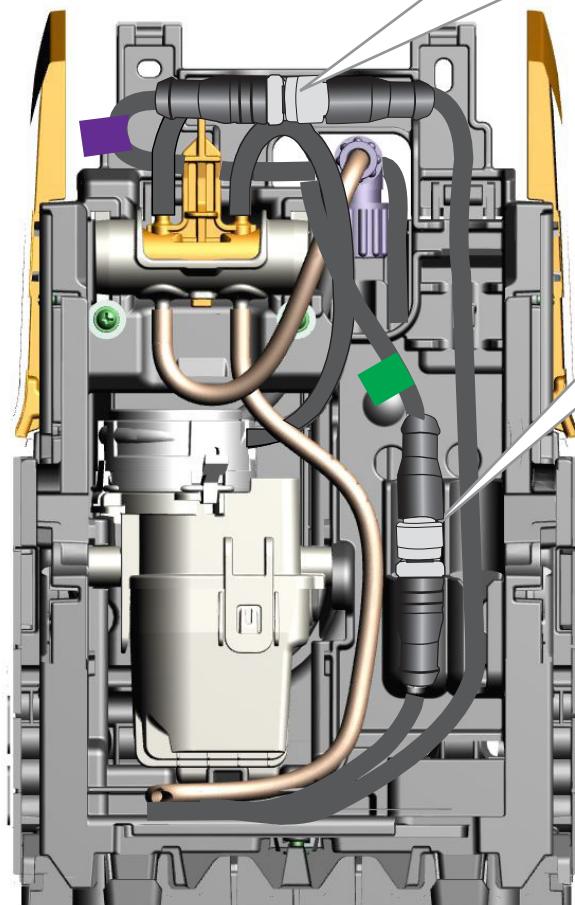
Pre jednoduchšie nasadenie: hadicu  
navlhčíte /  
*For easy mounting: moisten the hose*

5.



## Uchytenie kábla / connecting cable

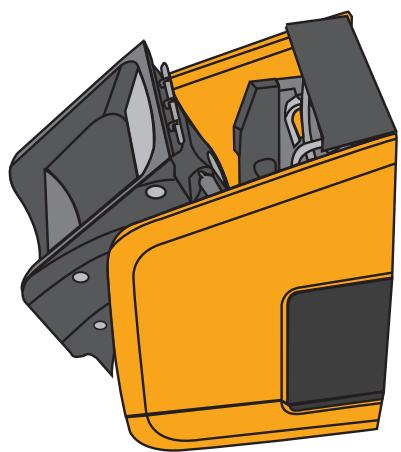
1.



2.



3.

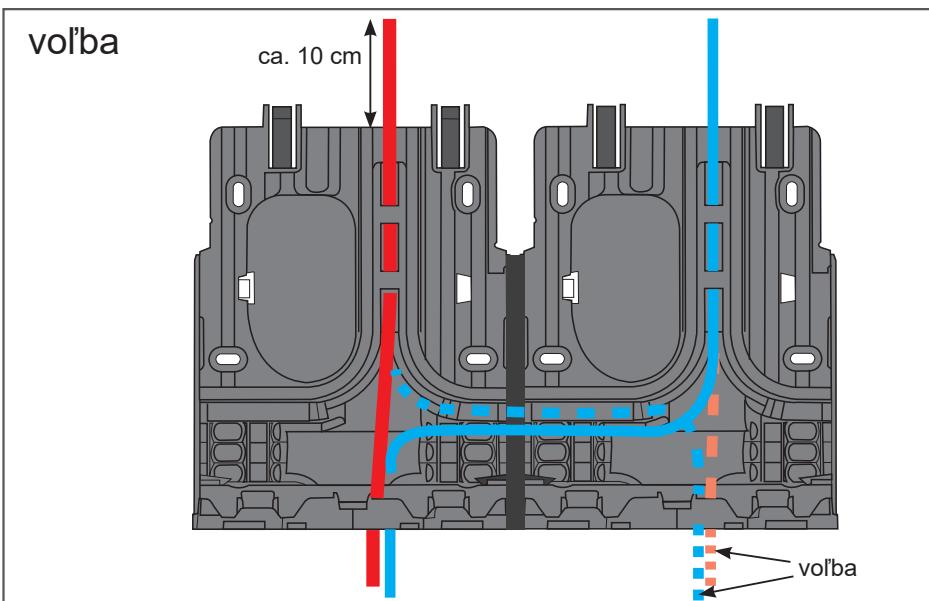
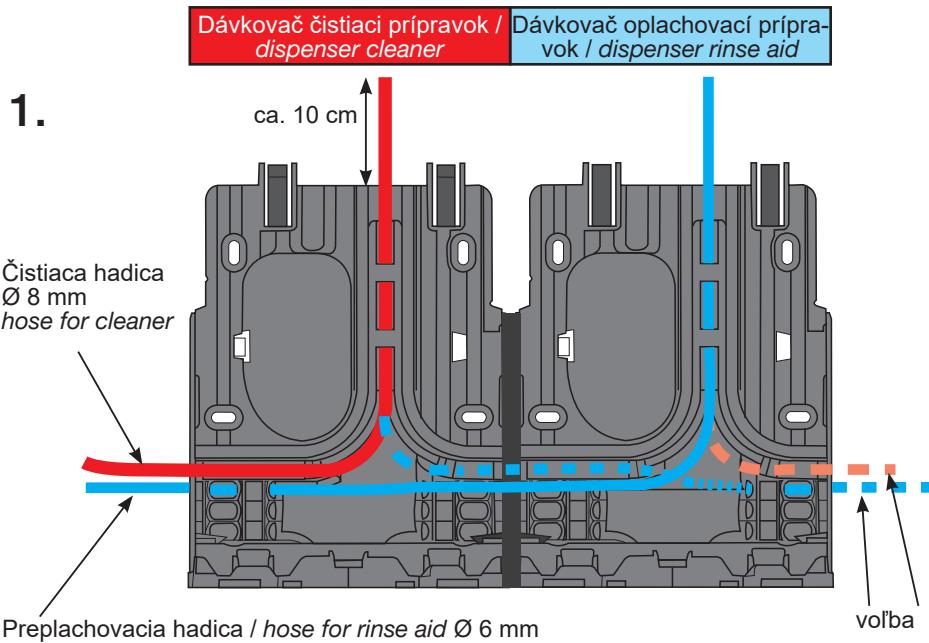


4.

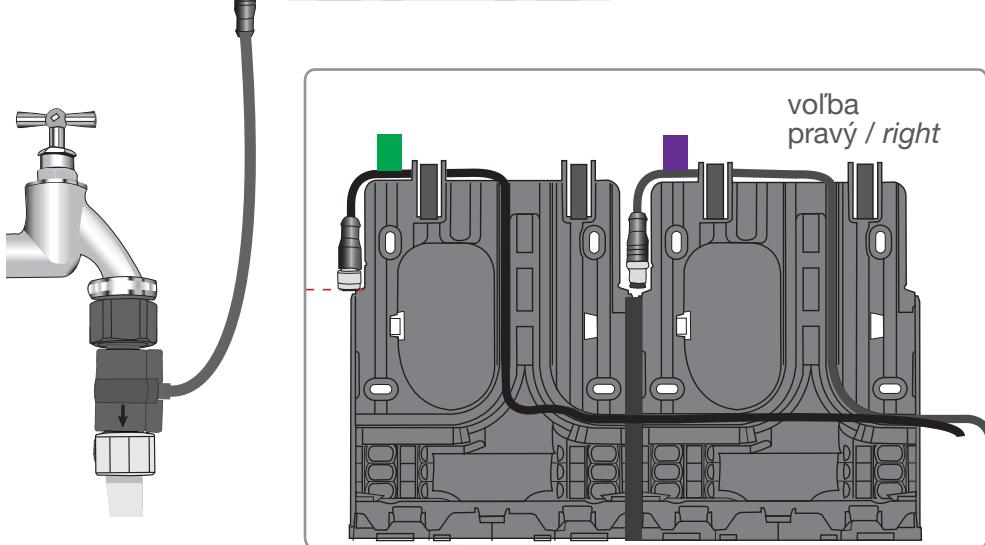
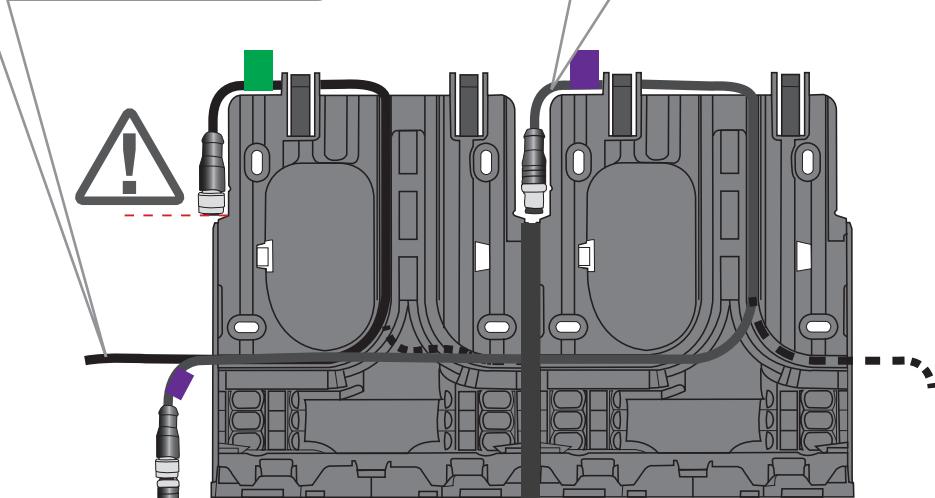
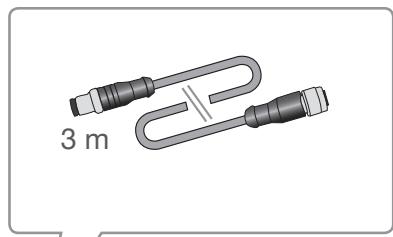
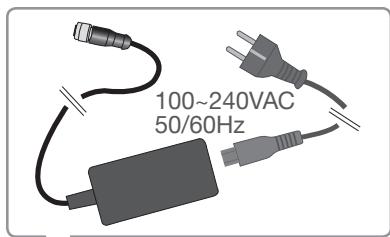


## Inštalácia hadíc a kálov za sebou / hose and cable installation row installation

### Uloženie hadíc / hose installation



## Uloženie kálov / cable installation



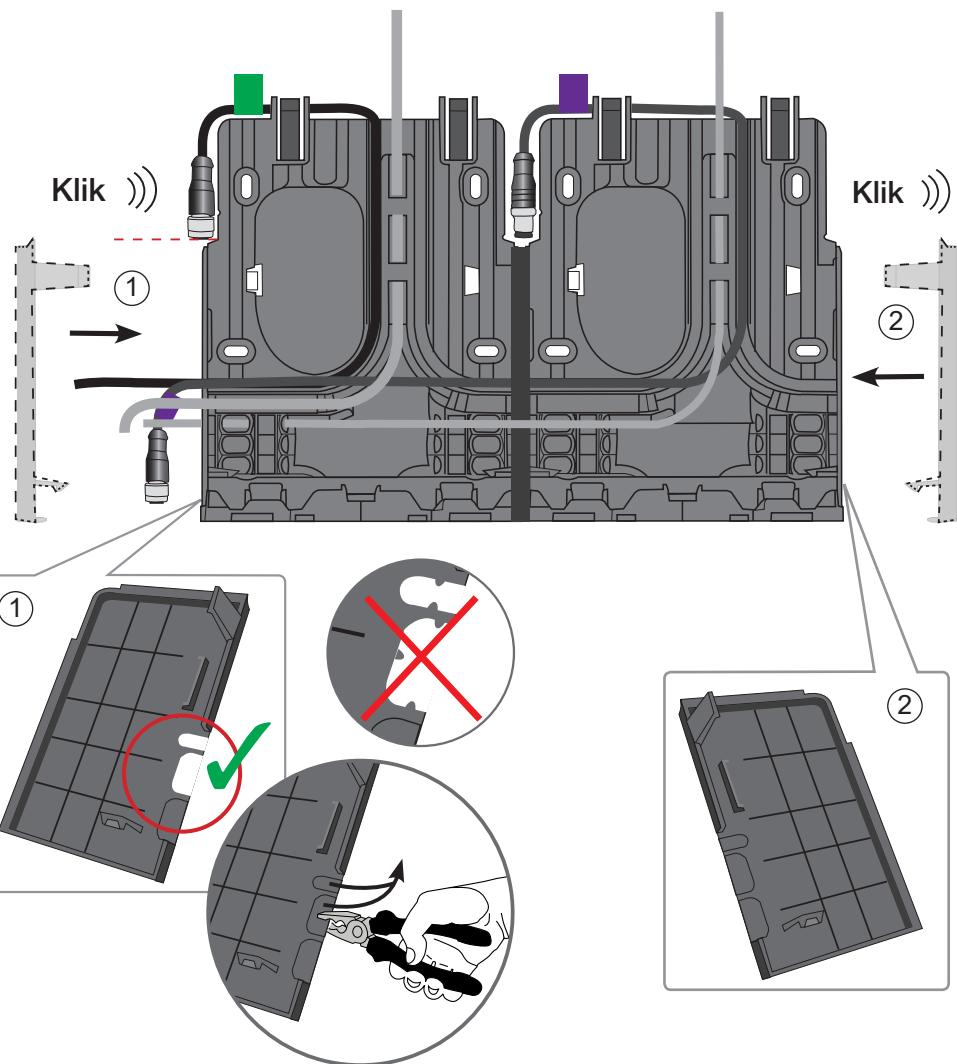
## Pripevnenie bočných panelov / side part mounting



ľavý  
left

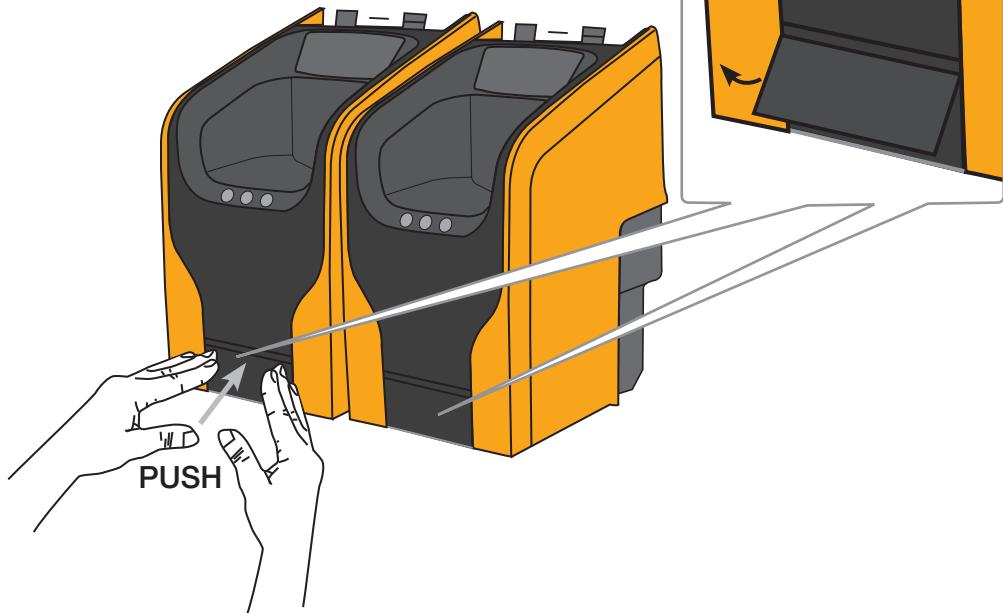


pravý  
right

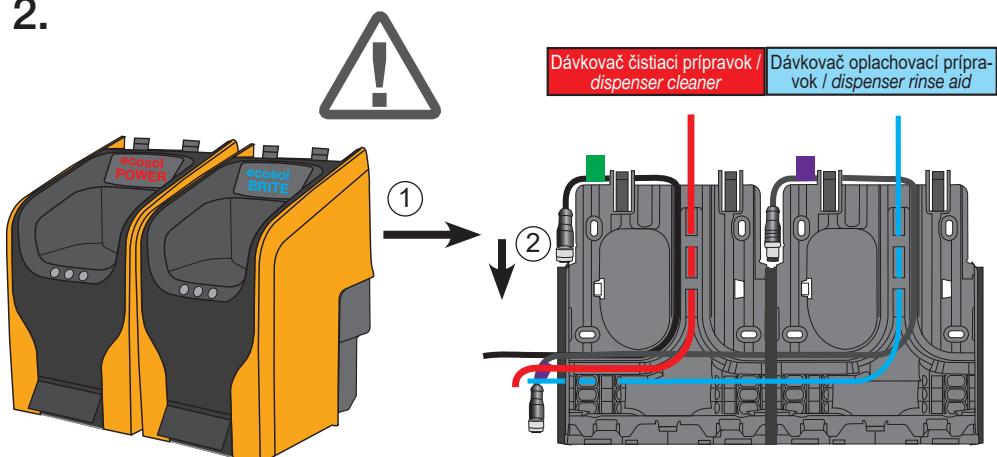


## Nastavenie dávkovača / dispenser mounting

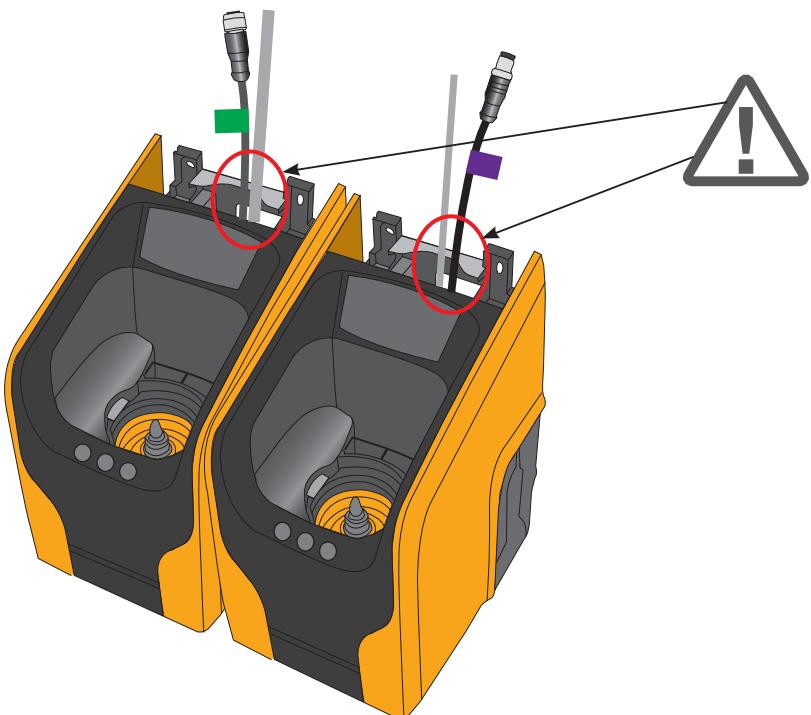
1.



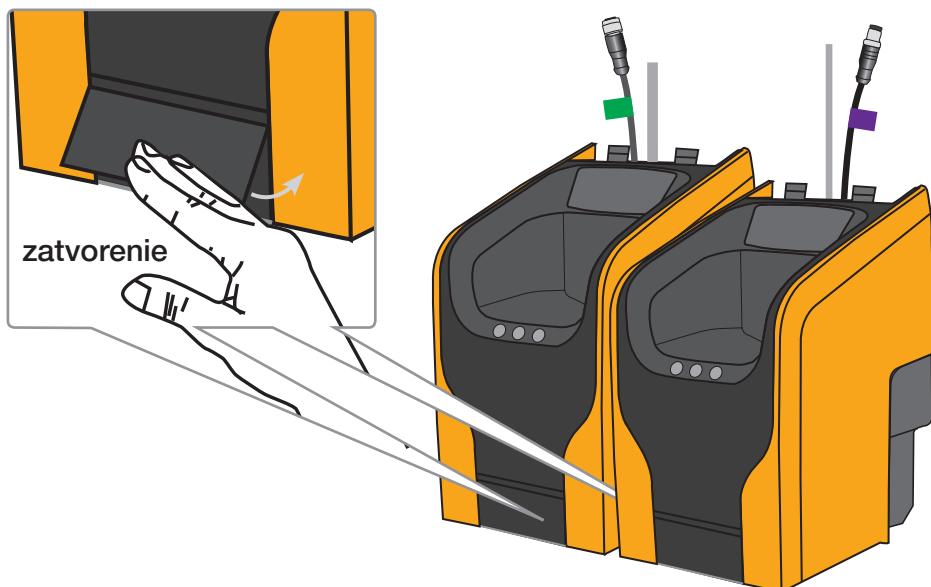
2.



3.

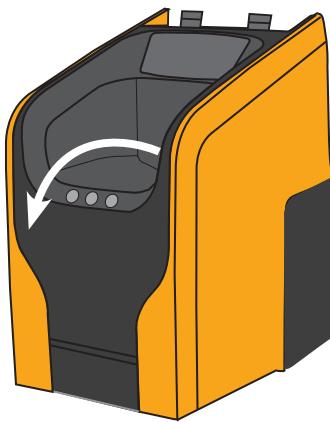


4.

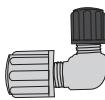


## Uchytenie L-časti / connecting L-parts

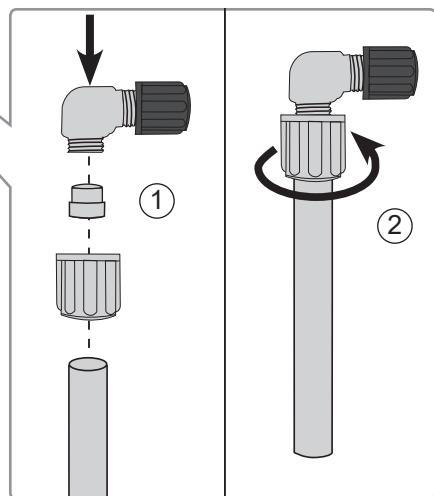
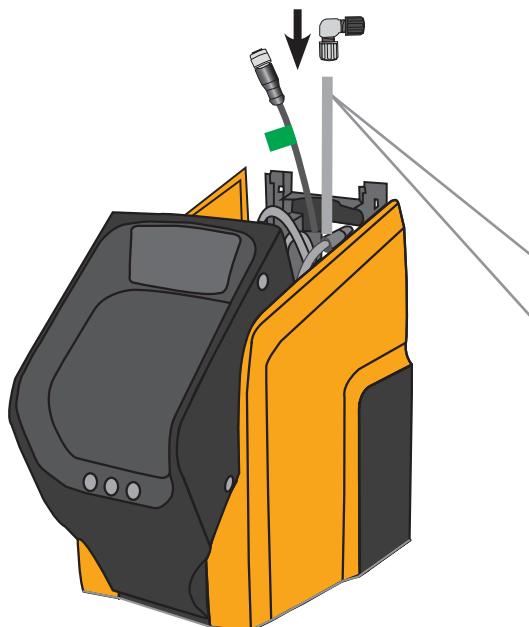
1.



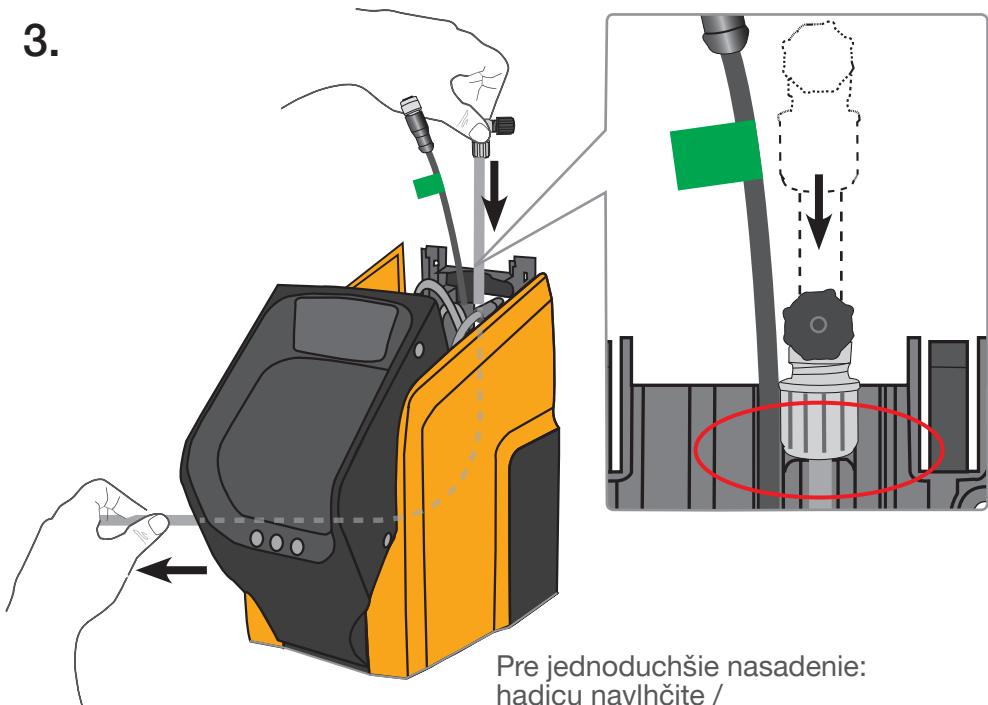
2.



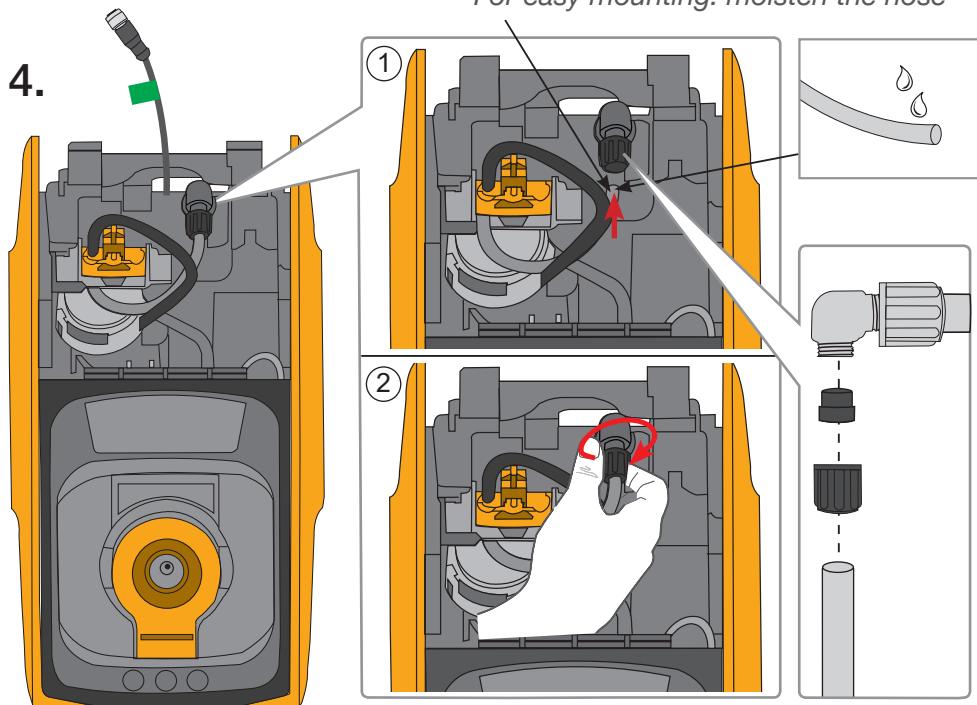
Použite L-časť  
„integral 4START POWER“  
Use here the L-Part  
„integral 4START POWER“



3.



4.

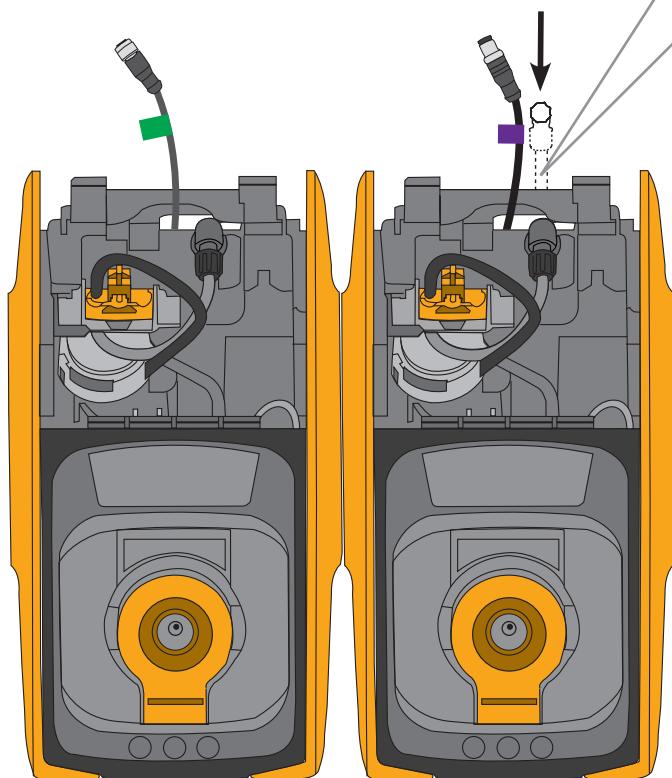
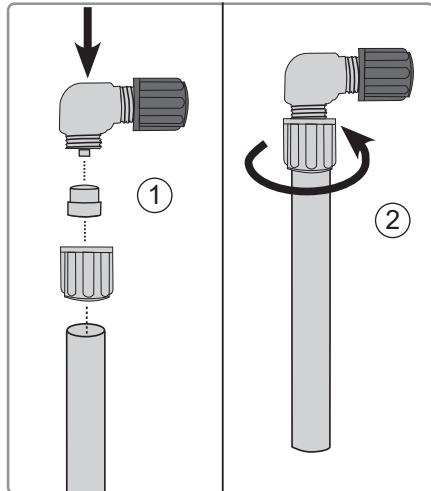


5.



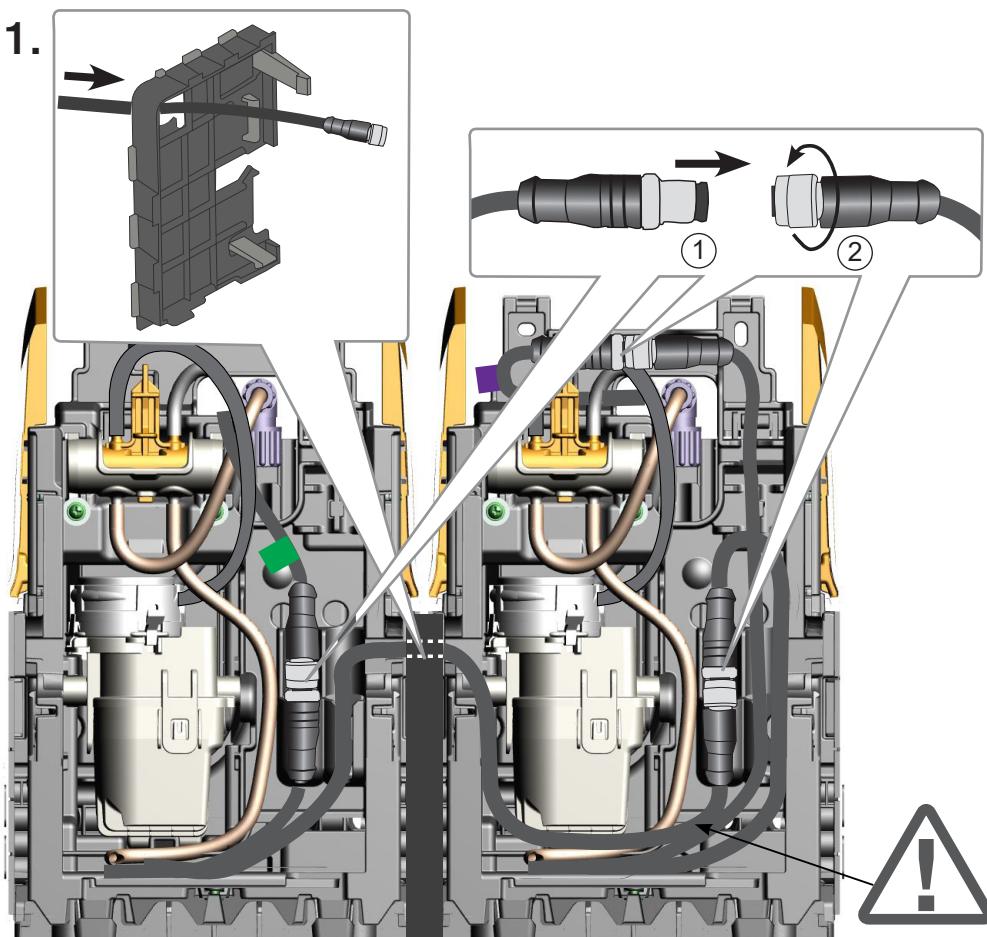
Použite L-časť  
„integral 4START BRITE“  
Use here the L-part  
„integral 4START BRITE“

Pri osadení L-časti do dávkovača  
oplachu opakujte postup od bodov 1-4  
*Repeat steps 1-4 to fix the L-part in the  
rinse-aid dispenser.*

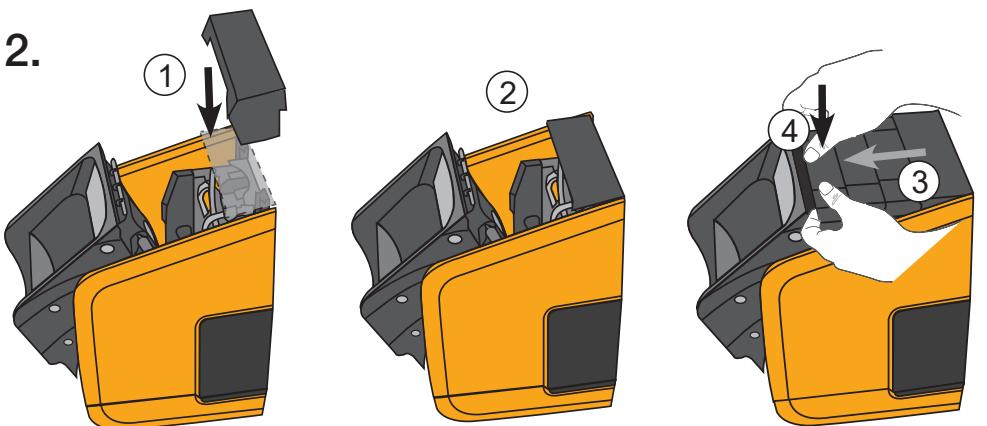


## Uchytenie kábla / connecting cable

1.

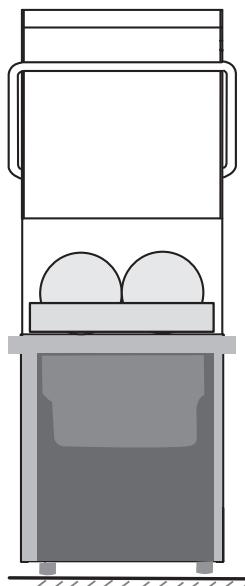


2.



### Inštalácia vstupného zásobníka / installation tank inlet

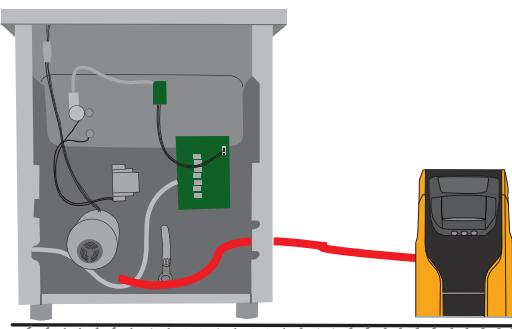
1.



2.

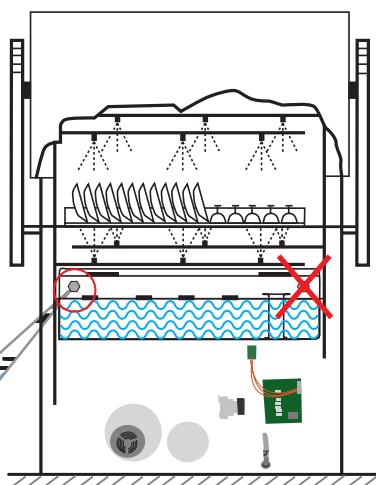
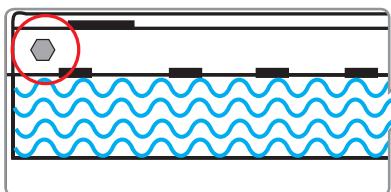
Vtiahnite hadice do zariadenia cez vstupné otvory (zadná strana)

Use the machine inputs for hoses to put the hoses into the machine.

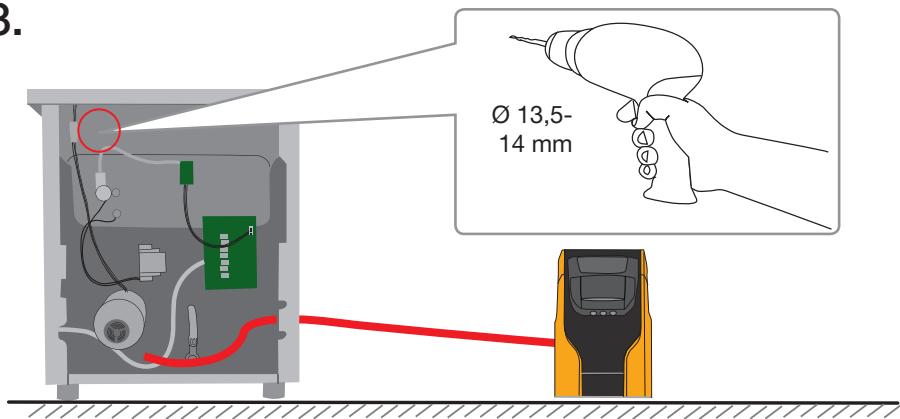


Pozícia vstupu umývacej chémie

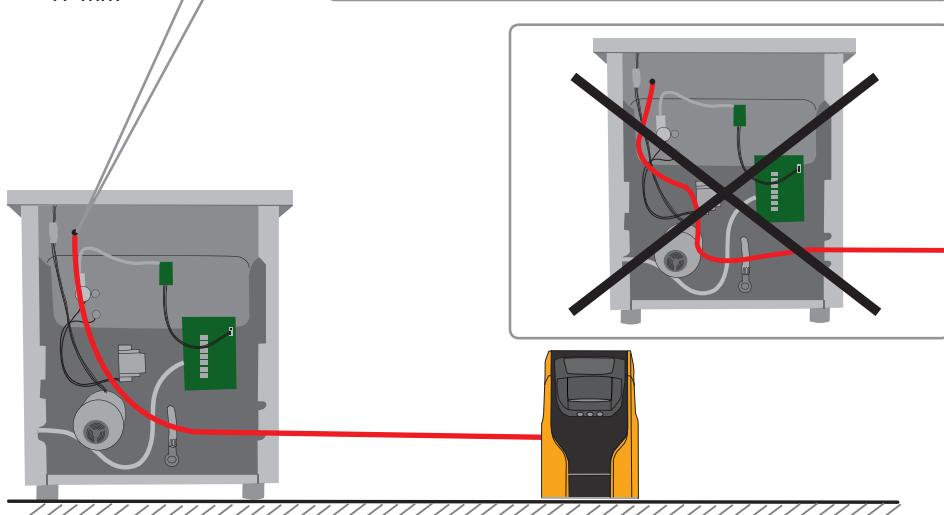
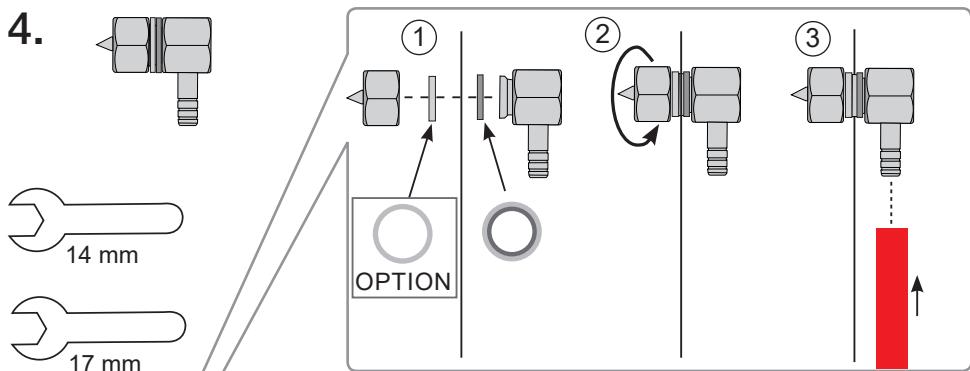
1. do tanku zariadenia
  2. pod vodítkom koša
  3. nad hladinou vody
  4. nie priamo nad motormi alebo elektronikou
  5. ľahko prístupné a viditeľné (pri otvorení zariadenie)
- Position tank inlet:
1. In the washing tank of the machine
  2. Below the basket guide rail
  3. Above water level
  4. Not directly above motors or boards
  5. Easy to access and visible (open machine)



**3.**



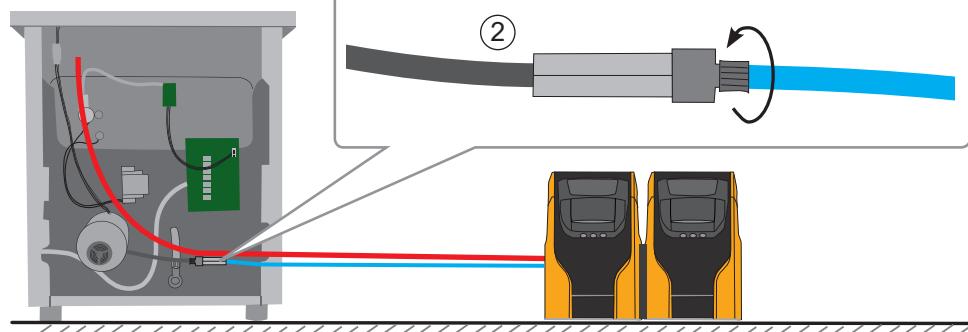
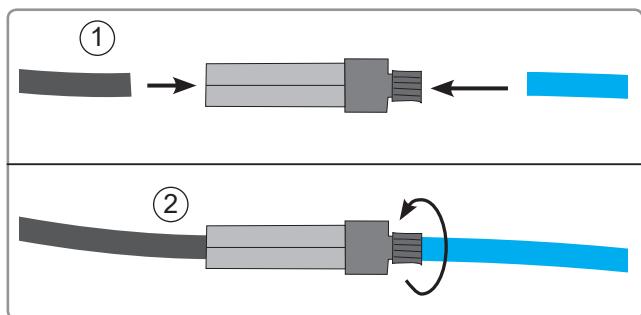
**4.**



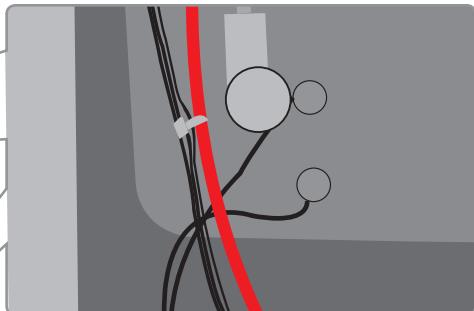
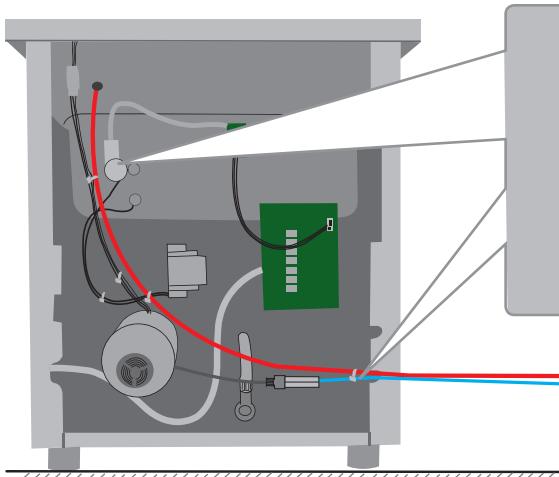
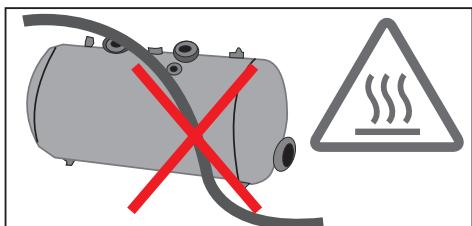
## Inštalácia preplachovača / installation rinse-aid connection

### Inštalácia spätného ventila / installation check valve

1.



2.



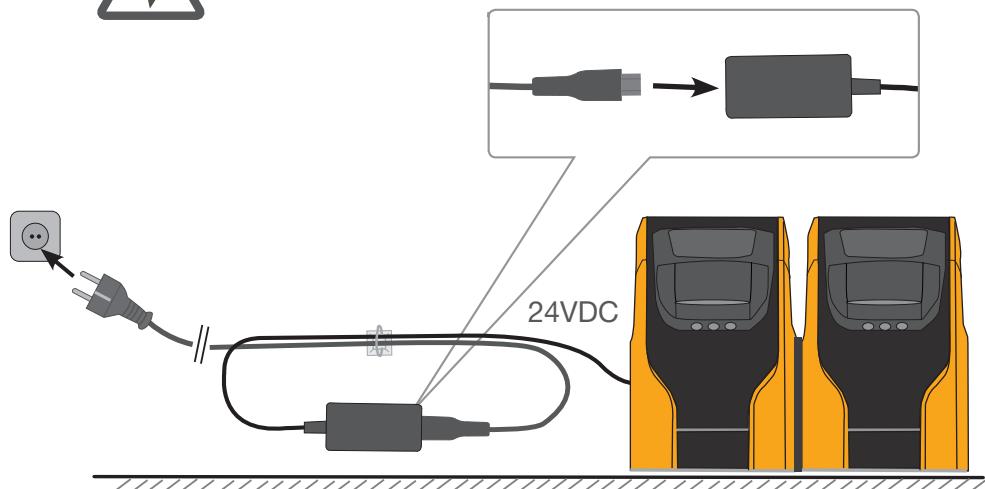
Uvoľnenie namáhania  
káblom a hadicí  
Make sure that all cables  
and hoses are relieved of  
strain.

## Pripojenie napájania / power connection

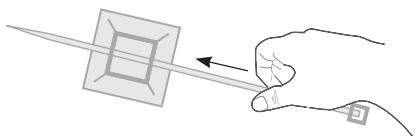
1.



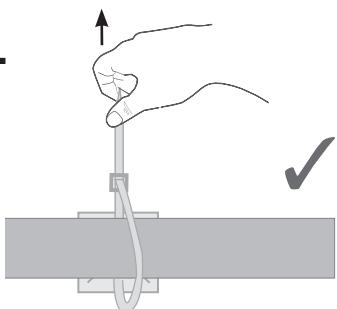
100~240VAC  
50/60Hz



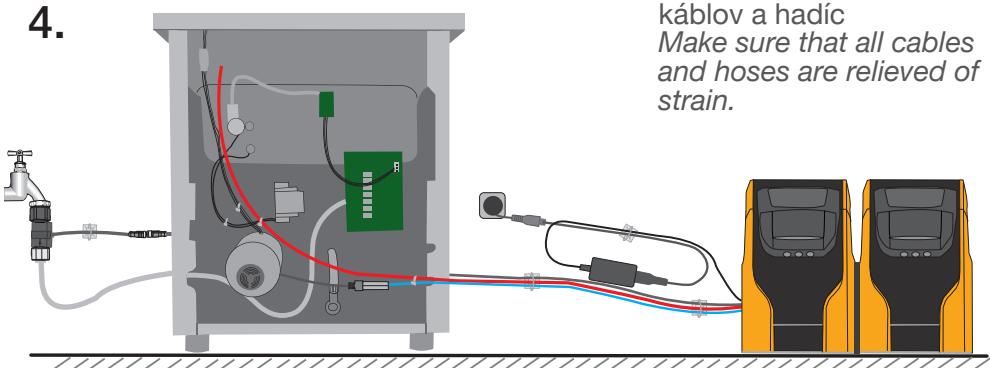
2.



3.

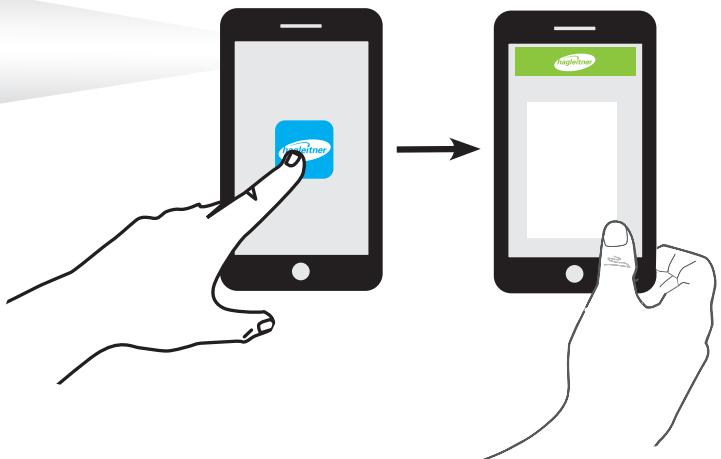


4.

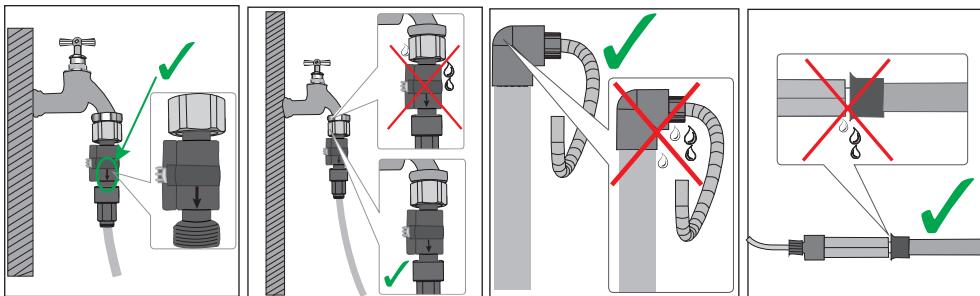


Uvoľnenie namáhania  
kálov a hadíc  
Make sure that all cables  
and hoses are relieved of  
strain.

1.



2. Po uvedení do prevádzky skontrolujte podľa aplikácie /  
Check after installation according to the app



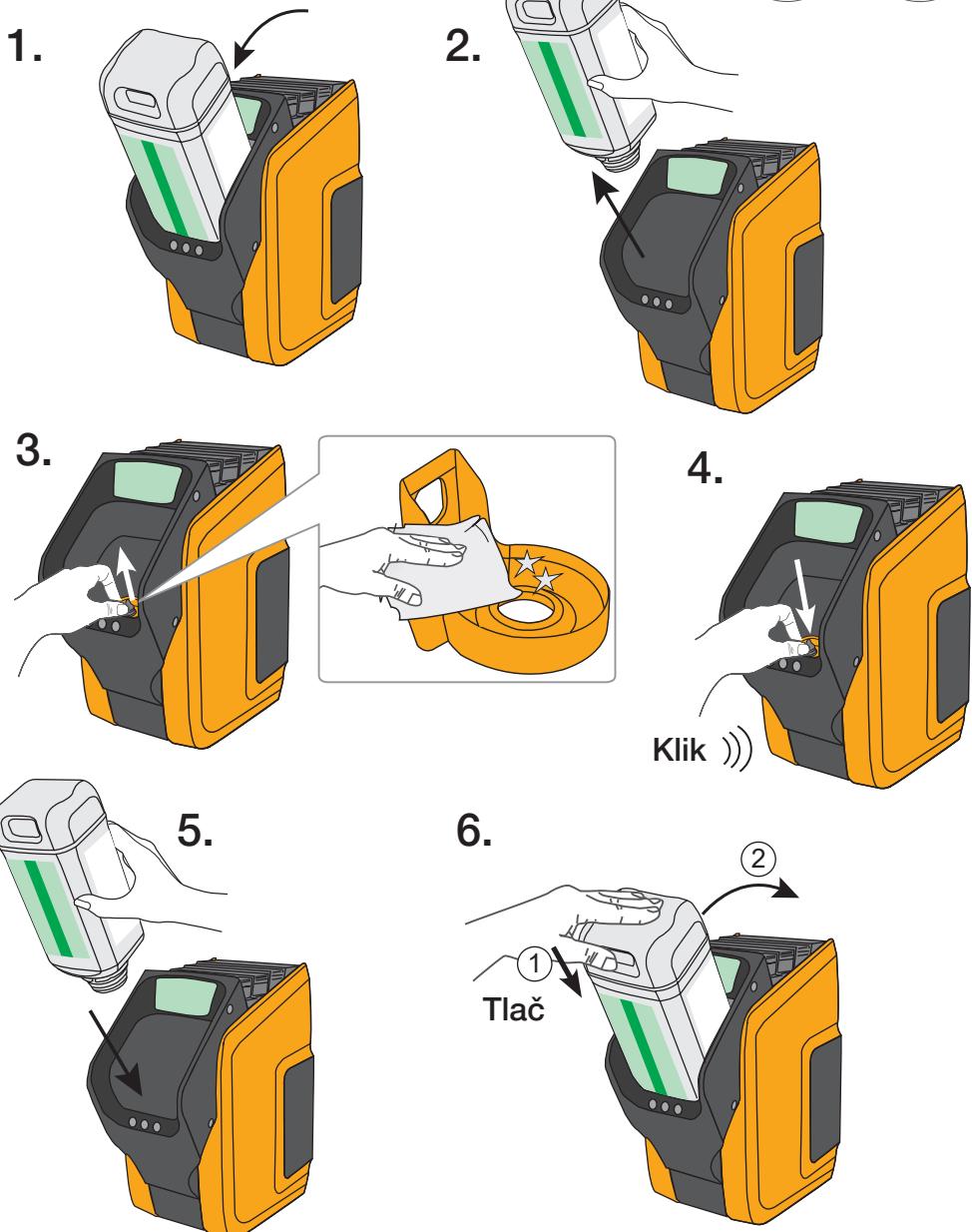
Opotrebované časti / wearing parts

integral 4PLUS FLOW METER  
integral 4PLUS PUMP POWER  
integral 4PLUS PUMP BRITE

integral 4START POWER PIPE  
integral 4START POWER PIPE

Intervaly údržby opotrebovávaných časti sa automaticky zobrazujú v aplikácii /  
Service intervals and exchange of wear parts are announced in the app proactive.

### Výmena náplne / cartridge exchange



## Dávkovač integral 4PLUS / integral 4PLUS dispenser

Piktogramy pictogram		Farba colour	Signál signal
	Pripravený na použitie / <i>Ready to use</i>	zelený green	Dávkovač je pripravený na použitie <i>dispenser is ready to use</i>
		oranžový orange	Dávkovač funguje, nastal problém - detai- ly sú v App <i>dispenser is working, maintenance requi- red – details in APP</i>
		červený red	Dávkovač nefunguje (dávkovač je vyp- nutý, náplň a rezerva sú prázne). <i>dispenser is not working (dispenser is open, cartridge and reserve tank empty)</i>
		žiadna farba no colour	Dávkovač nemá elektrinu <i>no power supply available</i>
	Patrona / <i>Cartridge</i>	oranžový orange	Náplň je prázdná - dávkovač funguje v núdzovom režime <i>cartridge is empty, dispenser on reserve tank mode</i>
		červený red	Náplň je prázdná, zlý produkt v dávkovači, RFID nie je čitatelné, dávkovač je vypnuty, žiadna náplň v dávkovači <i>cartridge is empty, wrong product, RFID not available, dispenser is open, no cart- ridge in dispenser</i>
	Bluetooth	modrá blue	Dávkovač je spojený s Applikáciou <i>dispenser and App are connected</i>

## integral 4PLUS Display / integral 4PLUS display

Piktogramy <i>pictogram</i>		Farba <i>colour</i>	Signál <i>signal</i>
	Pripravený na použitie / <i>Ready to use</i>	zelený <i>green</i>	Dávkovač je pripravený na použitie <i>dispenser is ready to use</i>
		oranžový <i>orange</i>	Dávkovač funguje, nastal problém - detai- ly sú v App <i>dispenser is working, maintenance required – details in APP</i>
		červený <i>red</i>	Dávkovač nefunguje (dávkovač je vyp- nutý, náplň a rezerva sú prázdne). <i>dispenser is not working (dispenser is open, cartridge and reserve tank empty)</i>
		žiadna farba <i>no colour</i>	Baterka v stavovom panely je prázdna <i>battery is empty</i>
	Patrona / <i>Cartridge</i>	oranžový <i>orange</i>	Náplň je prázdna - dávkovač funguje v núdzovom režime <i>cartridge is empty, dispenser on reserve tank mode</i>
		červený <i>red</i>	Náplň je prázdna, zlý produkt v dávkovači, RFID nie je čitatelné, dávkovač je vypnutý, žiadna náplň v dávkovači <i>cartridge is empty, wrong product, RFID not available, dispenser is open, no cart- ridge in dispenser</i>
	Baterka / <i>battery</i>	červený <i>red</i>	Vybítatá baterka <i>Battery drain</i>

# EC-DECLARATION of CONFORMITY

The distributor: Company  
Hagleitner Hygiene International GmbH  
Lunastraße 5  
5700 Zell am See

declares under his sole responsibility for the following system:

## Integral 4PLUS

Type: Dosing System	Mach. Nr.: P0343
---------------------	------------------

that all the relevant provisions of following *European Directives* are fulfilled:

2006/42/EC	Machinery Directive
2014/53/EU	Radio Equipment Directive
2014/35/EU	Low Voltage Directive
2014/30/EU	Electromagnetic Compatibility
2011/65/EU	Restriction of certain hazardous substances in electronic equipment

and that the system corresponds with the relevant sections of following standards and/or other normative documents:

EN ISO 12100	Safety of machinery
EN 61000-6-3	Electromagnetic compatibility (EMC) – Emission
EN 61000-6-2	Electromagnetic compatibility (EMC) - Immunity for industrial environments
EN 300330	Spurious emissions and Spektrummask

Zell am See, 16.12.2019



Hans Georg Hagleitner  
Chief Executive Officer  
Hagleitner Hygiene International GmbH

Art.-Nr. 20702070001  
10-2022 / DSSP092-06