

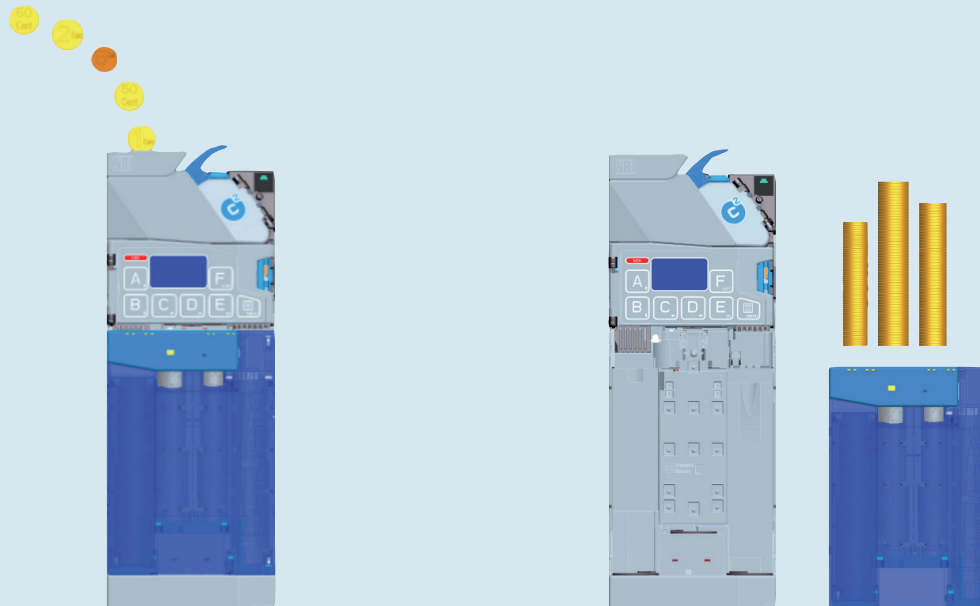
currenza ^{c²} blue Coin changer

Filling the change tubes – What must be pointed out?



Two pathes to full tubes – Which one to take for my c²?

The coin changer can be provided with change either by inserting the tube coins when the empty tube cassette is installed, or you remove the empty tube cassette and fill the cassette direct. The following table helps you deciding in favour of the right filling method:



	Filling by inserting coins	Filling the tube cassette direct
Filling speed	lower	higher
Exact coin recording	guaranteed	guaranteed, precondition: presets
Number of coins/tube	as many as you like	as many as you like, we recommend a particular number for exact coin recording
Pre-filling	–	possible
Presettings	possible for more convenient filling	required for exact coin recording



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Filling the tubes by inserting coins ...

i In many cases, the VMC also offers this filling method. In that case, this filling method should be used, due to the fact that the VMC may not be able to accept the filling level of the changer.

... without removing the tube cassette (standard)

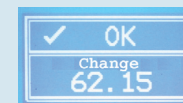
In order that the currenza c² can count the inserted tube coins for audit and inventory purposes the coin changer is filled in the tube filling mode:

- 1 Activate filling mode: `Main menu > F = Filling mode`
After the tube combination the counter of each tube is displayed.
- 2 Insert coins individually.
The corresponding tube counter counts the coins accepted. The tubes are full when the
 - full sensor is covered,
 - configured filling level limitation (cp. "Definitions") has been reached:
`Main menu > E = Settings > Coin settings > Filling level limitation` or
 - configured float level (cp. "Definitions") has been reached:
`Main menu > E = Settings > Coin settings > Float level`

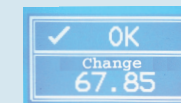


i As the exact coin number is registered the automatic tube counter correction (cp. "Definitions") must not be active.

It is possible that the coin changer displays a lower change stock in the operation mode than in the filling mode: In this case the coin changer is set so that the tube counter readings are transmitted to the VMC without security stock (cp. "Definitions") (`Main menu > E = Settings > Operating modes > Tube counters with security stock`).



Tube filling level message
without security stock



Tube filling level message
with security stock

... after having installed a tube cassette emptied completely

If you remove and empty the tube cassette completely before refilling it, you must preset the coin changer once so that the tube counters will be reset before the filling process:

Obligatory presettings:

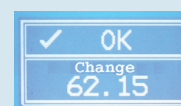
- activate automatic tube counter correction (cp. "Definitions")
Menu path: Main menu > E = Settings > Operating modes > Tube counter correction
- correct tube counters to zero (when removing the tube cassette)
Menu path: Main menu > E = Settings > Operating modes > Correct tube counters to zero

In order that the currency c² can count the inserted tube coins for audit and inventory purposes the coin changer is again filled in the tube filling mode:

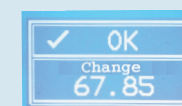
- 1 Activate filling mode: Main menu > F = Filling mode
After the tube combination the counter of each tube is displayed.
- 2 Insert coins individually.
The corresponding tube counter counts the coins accepted. The tubes are full when the
 - full sensor is covered,
 - configured filling level limitation (cp. "Definitions") has been reached:
Main menu > E = Settings > Coin settings > Filling level limitation or
 - configured float level (cp. "Definitions") has been reached:
Main menu > E = Settings > Coin settings > Float level



i It is possible that the coin changer displays a lower change stock in the operation mode than in the filling mode: In this case the coin changer is set so that the tube counter readings are transmitted to the VMC without security stock (cp. "Definitions") (Main menu > E = Settings > Operating modes > Tube counters with security stock).



Tube filling level message without security stock



Tube filling level message with security stock





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Filling the tube cassette direct ...

You can also remove the empty tube cassette and refill it direct. Or you have filled a replacement cassette beforehand and only replace the empty cassette on site. For audit and inventory purposes – in other words: for exact coin recording – you must preset the coin changer once for this filling method.

... with counted coins

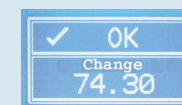
Obligatory presets:

- configure number of coins as float level (cp. “Definitions”) per tube
Menu path: Main menu > E = Settings > Coin settings > Float level
- activate automatic tube counter programming (cp. “Definitions”)
Menu path: Main menu > E = Settings > Operating modes > Autom. tube counter programming
- deactivate automatic tube counter correction (cp. “Definitions”)
Menu path: Main menu > E = Settings > Operating modes > Tube counter correction

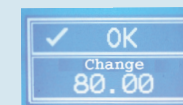
Once you preset the changer you can exchange or fill the tube cassette:

- 1 Activate filling mode: Main menu > F = Filling mode
After the tube combination the counter of each tube is displayed.
- 2 Remove empty tube cassette.
The tube counters are set to the configured float level, and the float levels (number of coins to be filled) are displayed.
- 3 Fill (replacement) tube cassette with number of coins set in the float level per tube.
- 4 Reinstall (replacement) tube cassette.

i It is possible that the coin changer displays a lower change stock in the operation mode than in the filling mode: In this case the coin changer is set so that the tube counter readings are transmitted to the VMC without security stock (cp. “Definitions”) (Main menu > E = Settings > Operating modes > Tube counters with security stock).



Tube filling level message
without security stock



Tube filling level message
with security stock

... with non-counted coins

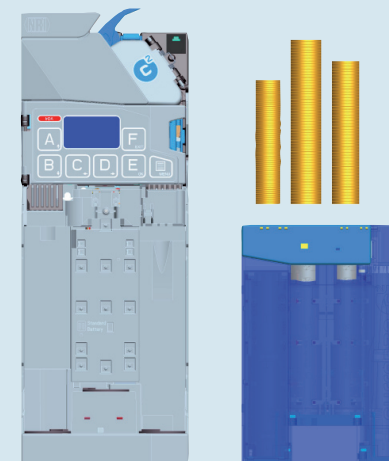
Obligatory presetting:

- activate automatic tube counter correction (cp. “Definitions”)

Menu path: Main menu > E = Settings > Operating modes > Tube counter correction

Once you preset the changer you can exchange or fill the tube cassette:

- 1 Remove empty tube cassette and fill it with as many coins you like.
- 2 Reinstall full (replacement) tube cassette.





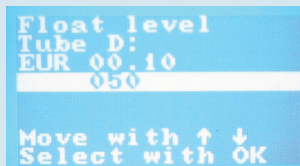
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Definitions

Float level

E = Settings > Coin settings > Float level

With a configured float level the change tubes are filled with a specific number of coins. When this number is reached when filling a tube, all further coins for this tube are then directed into the cash-box.



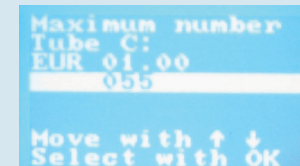
If this function is not used, either the filling level limitation or the upper filling level sensor (full sensor) of the tubes determines from when coins will be directed into the cash-box and no longer into the tubes.

The float level also limits when emptying the tubes using the inventory keys. All coins below the float level will not be given out.

Filling level limitation

E = Settings > Coin settings > Filling level limitation

With a configured filling level limitation each change tube collects no more than a specific number of coins. When this number is reached in a tube, all further coins for this tube are then directed into the cash-box temporarily. Only when coins have been paid out of this tube, coins are again sorted into the tube.

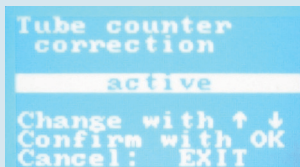


If this function is not used, the upper filling level sensor (full sensor) of the tubes determines, irrespective of the number of coins, from when coins will be directed into the cash-box and no longer into the tubes.

Tube counter correction

E = Settings > Operating modes > Tube counter correction

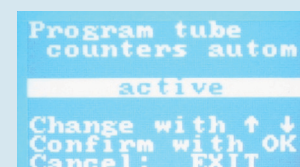
The tube counter correction adapts the tube counters to the readings of the filling level sensors after each coin acceptance and payout.



Tube counter programming

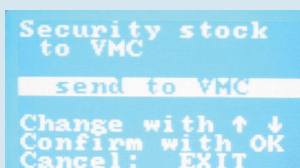
E = Settings > Operating modes > Autom. tube counter programming

If the tube cassette is filled direct and in tube filling mode, the tube counter programming sets the tube counters to the number of coins programmed in the float levels automatically as soon as the tube cassette is removed from the coin changer.



Security stock

E = Settings > Operating modes > Tube counters with security stock The security stock is a minimum number of coins per change tube which the coin changer will not pay out, in order to avoid potential problems during coin stacking.



The coin changer can be set so that the security stock will also be transmitted to the vending machine whenever the machine scans the tube filling level..

i The *c²* service short reference guide provides a detailed description of the relevant filling method for all *c²* models. How to configure the coin changer and perform presettings you will learn in the configuration short reference guide.

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